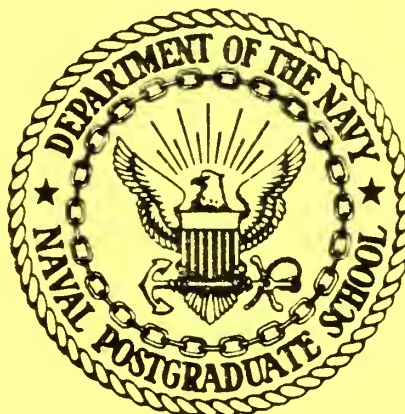


# NAVAL POSTGRADUATE SCHOOL

## Monterey, California



CURRENT METER DATA FROM THE SLOPE WATERS  
OFF CENTRAL CALIFORNIA

25 July 1978 - 1 June 1980

Arlene A. Bird  
Jacob B. Wickham  
Joseph S. Bottero  
Glenna Pittock  
Robert L. Smith  
Christopher N.K. Mooers

August 1984

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Prepared for: Minerals Management Service, Department of the Interior,  
1340 W. 6th St., Los Angeles, CA 90017

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This report was prepared by:

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number)  This report presents current speed, direction, and temperature time series data acquired from the upper 500m of water over the continental slope off central California over a two-year period from July, 1978 to June 1980.			





Department of Oceanography  
Naval Postgraduate School  
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25 July 1978 - 1 June 1980

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## Table of Contents

	Page
INTRODUCTION .....	1
DATA ACQUISITION .....	1
DATA PROCESSING .....	3
DATA PRESENTATION .....	8
ACKNOWLEDGEMENTS .....	323
REFERENCES .....	324



## INTRODUCTION

Thirty-five time series of current speed, direction and temperature were acquired over a two-year period from the upper 500m of water over the continental slope off central California. These current meter measurements, in addition to concurrent hydrographic measurements (see Bird, et al., 1984), were made to describe the flow and structure of the slope waters and to study the California Undercurrent as it flows over the continental slope past the central California coast. The current meters were deployed and recovered by the Naval Postgraduate School (NPS); the data were processed by the College of Oceanography at Oregon State University (OSU). The data are available from the National Oceanographic Data Center (NODC) upon request.

## DATA ACQUISITION

Aanderaa current meters were moored at three locations along a line running offshore from Cape San Martin. The three locations, Stations 2, 5 and 7, correspond to three of the twelve hydrographic stations which were occupied along the Cape San Martin line. A bathymetric chart which shows the hydrographic stations (dots) and the current meter stations (circles) is provided, Figure 1. Water depths at Stations 2, 5 and 7 are 357, 759 and 915m, respectively. At these stations, the isobaths are oriented approximately  $325/145^{\circ}T$ .

The 35 time series obtained from the current meters span a two-year period from 25 July 1978 to 1 June 1980, with an average length of 50 days. The sequence of moorings and the positions of the meters in the water column are diagrammed, Figure 2. There were 17 time series at Station 2, the station closest to shore; 4 at Station 5; and 14 at Station 7, the most seaward station. Four of the 35 records returned only temperature data due to malfunctions,

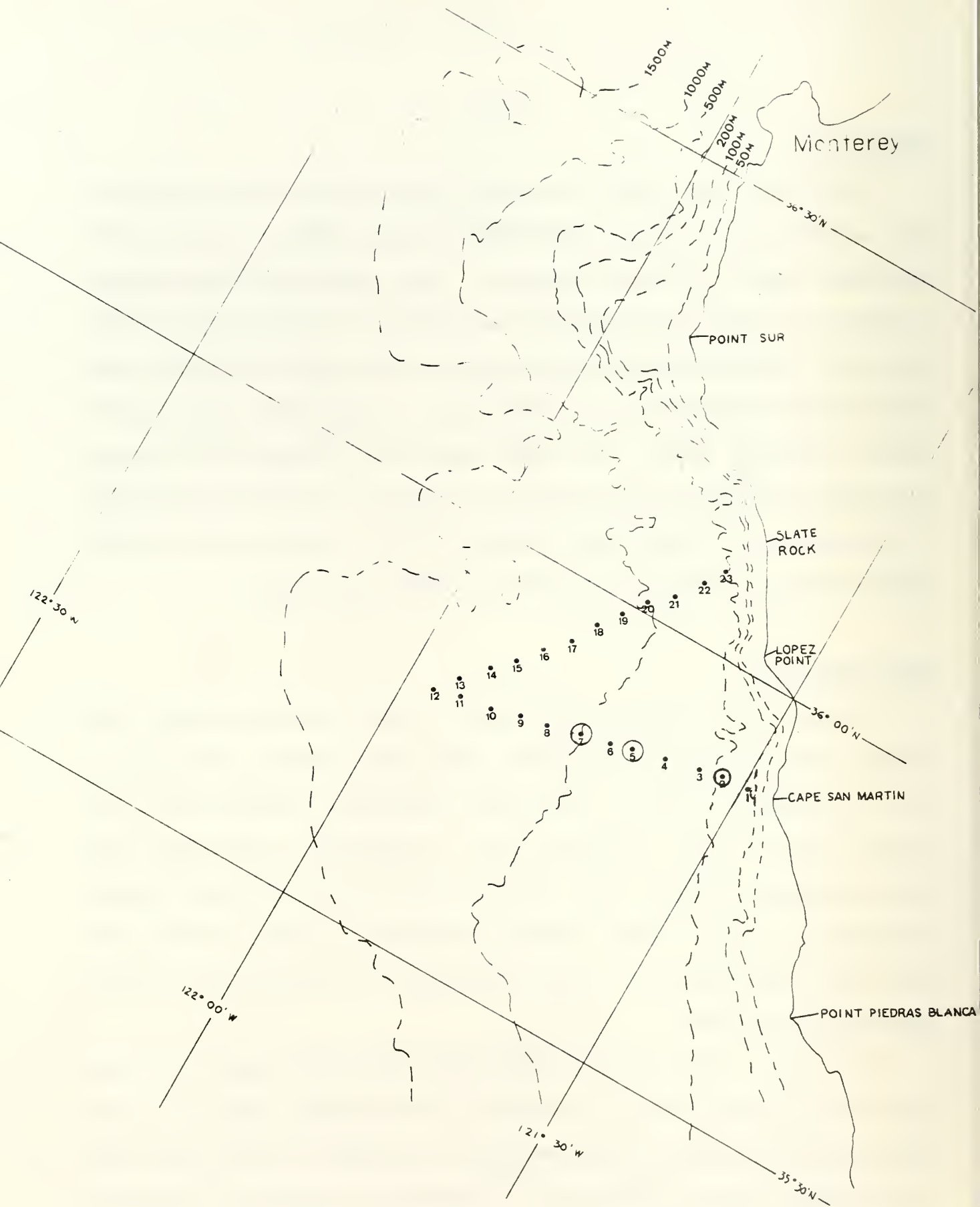


Figure 1. Nominal station chart.

○ nominal stations for current meter moorings

• nominal stations for hydrographic surveys (reported in Bird, et al., 1984)



as indicated by dashed lines, Fig. 2. On eight current meter records, pressure was recorded as a function of time in addition to current speed, direction and temperature. A summary of record number, station location, depth, data interval and length, and variables measured is provided, Table 1.

The Aanderaa Recording Current Meter Model 4 (RCM4) used in this experiment is equipped with a rotor speed sensor, a magnetic compass, a thermistor and, optionally, a pressure sensor to measure horizontal speed, direction, temperature and depth. A linear fit to the manufacturer's calibration was used between 5 and 15°C, and three instruments were checked in a towing tank with good results. The mooring configuration (Figure 3, from Coddington, 1979), had no surface markers so that all mooring elements were at least 90 m below the surface. It was retrieved by an acoustically activated release. The measurements were sampled at 10-minute intervals and recorded digitally on magnetic tape within the instrument. Further details of the instrumentation may be found in Coddington (1979).

## DATA PROCESSING

The current meter data were transferred to 9-track tapes and processed by the College of Oceanography at OSU using their well-tested system. The data are presented in chronological order. A header page for each mooring provides the record number, location, date, depth and a table of statistics for each current meter record. The table of statistics gives the arithmetic mean, standard deviation, skewness, kurtosis, maximum and minimum values and the number of 10-minute values recorded for each variable. The true east-west velocity component is  $U$ , and  $V$  is the true north-south velocity component. Progressive vector diagrams, histograms of the variables, rotary spectra, stick plots, and time series plots follow the table of statistics.

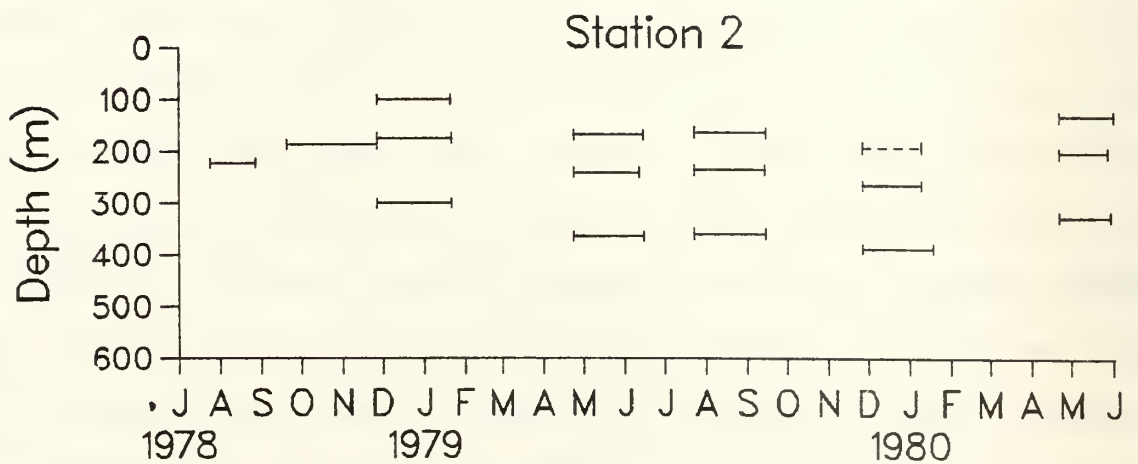
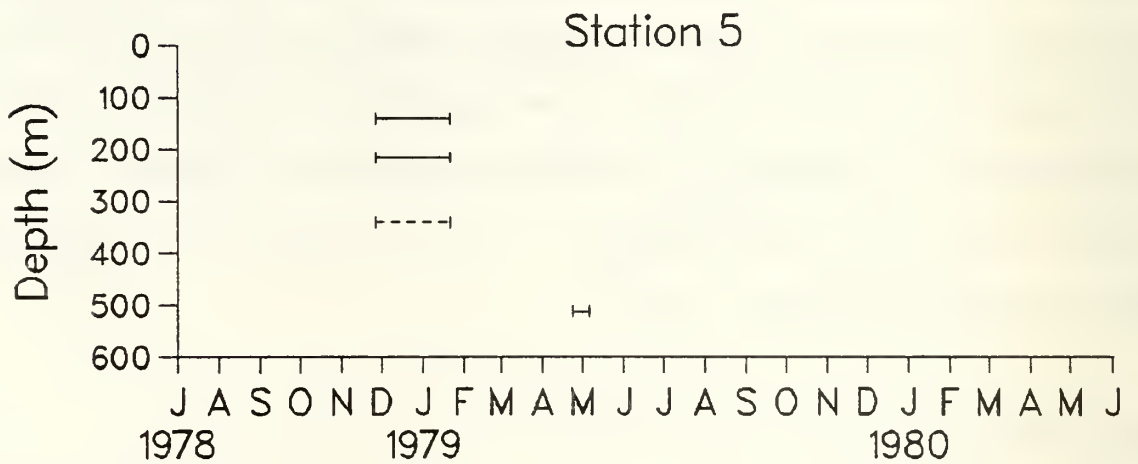
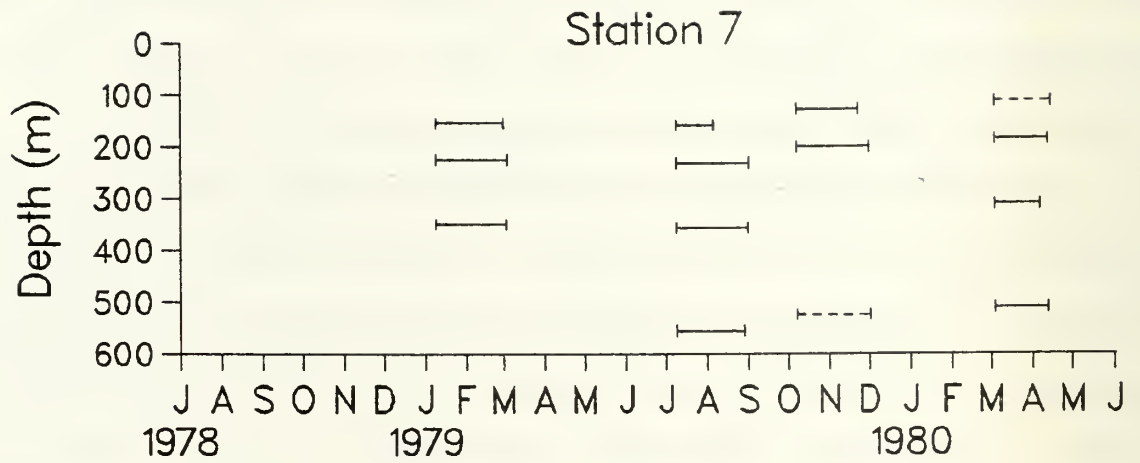


Figure 2. Time-line diagram of current meter data recovered at Station 2 (water depth 357m), Station 5 (water depth 759m) and Station 7 (water depth 915m).

TABLE 1

Record Number	Station Location	Depth (m)	Data Interval	Length (days)	Variables
1	2	223	07/25/78-08/28/78	34	S,D,T
2	2	187	09/20/78-11/27/78	68	S,D,T
3	2	100	11/27/78-01/21/79	55	S,D,T
4	2	175	11/27/78-01/22/79	56	S,D,T
5	2	300	11/27/78-01/22/79	56	S,D,T
6	5	140	11/27/78-01/22/79	56	S,D,T
7	5	215	11/27/78-01/22/79	56	S,D,T
8	5	340	11/27/78-01/22/79	56	T,P
9	7	152	01/09/79-03/01/79	51	S,D,T,P
10	7	223	01/09/79-03/04/79	54	S,D,T
11	7	348	01/09/79-03/03/79	53	S,D,T
12	5	512	04/24/79-05/06/79	12	S,D,T
13	2	169	04/24/79-06/15/79	21	S,D,T
14	2	241	04/24/79-06/12/79	18	S,D,T,P
15	2	364	04/24/79-06/16/79	22	S,D,T
16	7	158	07/10/79-08/06/79	27	S,D,T
17	7	231	07/10/79-09/02/79	54	S,D,T
18	7	356	07/10/79-09/01/79	53	S,D,T,P
19	7	555	07/10/79-08/29/79	50	S,D,T
20	2	165	07/23/79-09/15/79	54	S,D,T
21	2	237	07/23/79-09/14/79	53	S,D,T,P
22	2	360	07/23/79-09/15/79	54	S,D,T
23	7	127	10/08/79-11/23/79	46	S,D,T
24	7	200	10/08/79-12/01/79	54	S,D,T
26*	7	524	10/08/79-12/02/79	55	T
27*	2	194	11/27/79-01/10/80	44	T
28	2	266	11/27/79-01/10/80	44	S,D,T,P
29	2	389	11/27/79-01/19/80	53	S,D,T
30*	7	113	03/04/80-04/15/80	32	T
31	7	186	03/04/80-04/13/80	30	S,D,T
32	7	311	03/04/80-04/07/80	24	S,D,T,P
33	7	510	03/04/80-04/13/80	30	S,D,T
34	2	135	04/22/80-06/01/80	40	S,D,T
35	2	205	04/22/80-05/28/80	36	S,D,T,P
36	2	328	04/22/80-05/30/80	38	S,D,T

\*The direction vane was confined within a narrow range, and the velocity data presented should not be used.

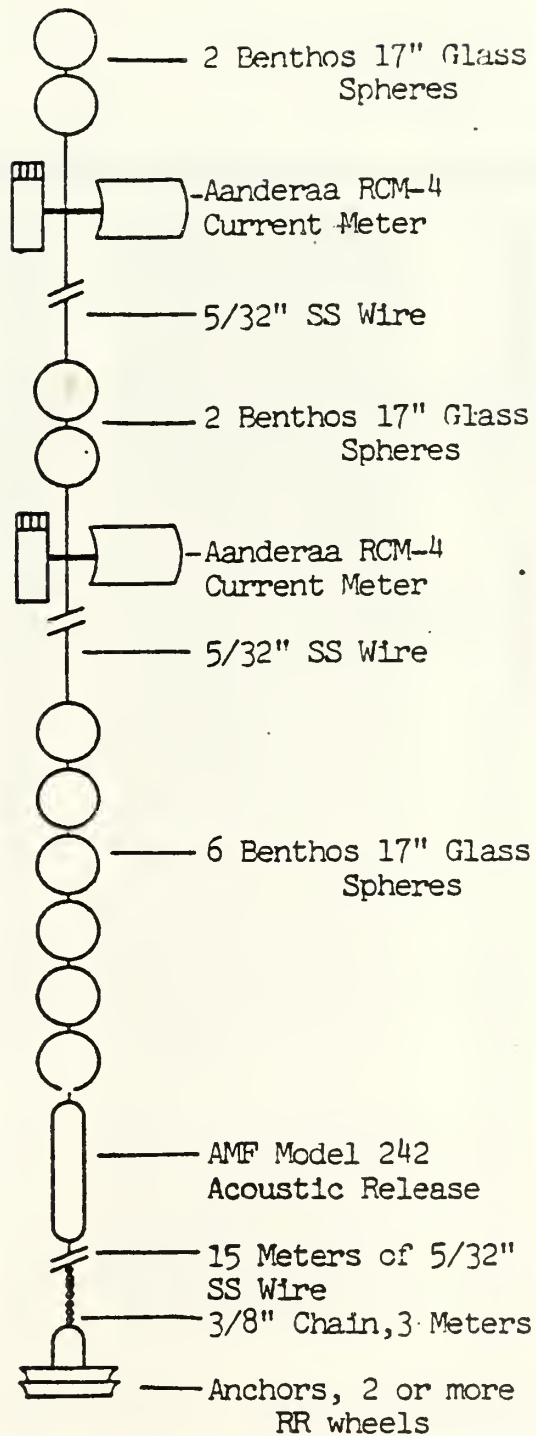


Figure 3. Mooring configuration (from Coddington, 1979).

The statistical tables, the progressive vector diagrams (PVDs), and the histograms were made from the unfiltered 10-minute data. Daily intervals are marked in the PVDs, and the units of the axes are kilometers. Hourly averaged data were used for the rotary spectra and for the time series plots. The units of the ordinates in the plots of spectra are  $\text{cm}^2\text{s}^{-2}/\text{cpd}$ ; thus, the spectra are variance spectra.

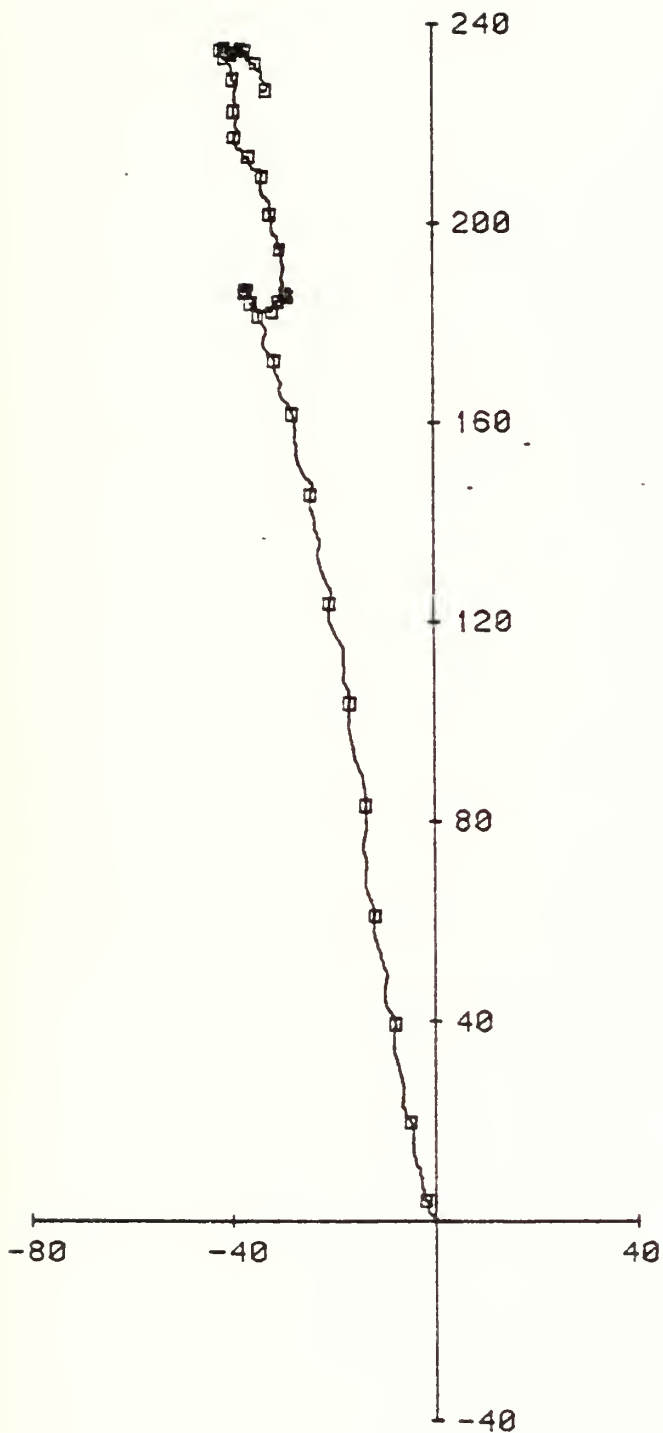
The stick plots were constructed from time series which were filtered to remove the diurnal tide and higher frequencies. To form this low-low pass (LLP) data series, the hourly averaged data were filtered with a  $60 + 1 + 60$  Cosine-Lanczos filter with half-amplitude at 40 hours and half-power at 46.6 hours. The data were then resampled at six-hourly intervals and the vectors for the stickplots were constructed from the LLP U and V series.

STATION 2 - 36°52.1'N, 121°32.0'W  
25 JUL 78 - 28 AUG 78

Record #1, Depth 223 m

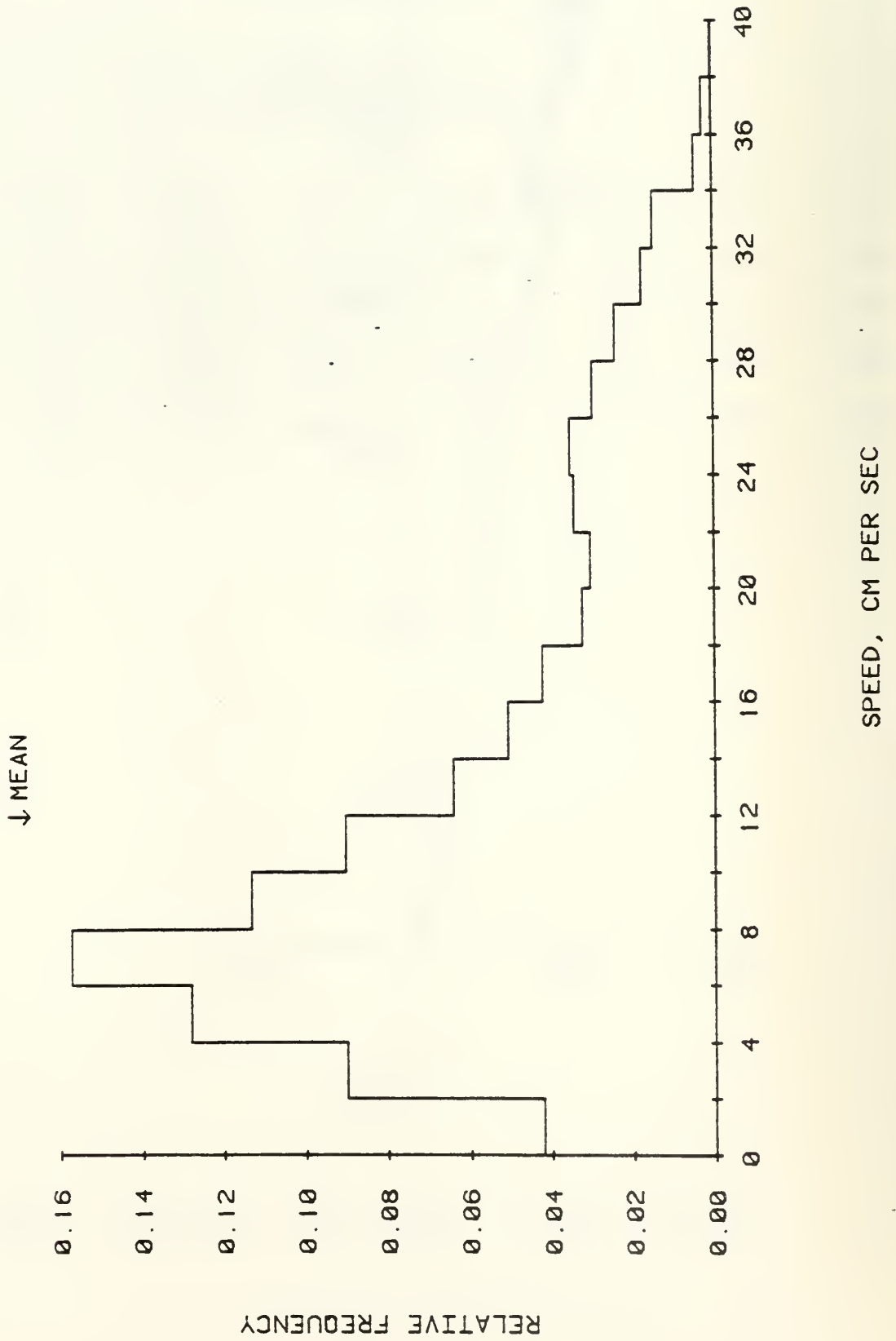
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	11.96	8.32	0.91	2.90	0.80	37.30	4886
U(cm/s)	-1.13	6.17	-0.04	3.11	-20.40	24.20	4886
V(cm/s)	7.72	10.64	0.55	2.45	-16.10	36.10	4886
T(°C)	8.68	0.32	-0.02	2.48	7.55	9.48	4886



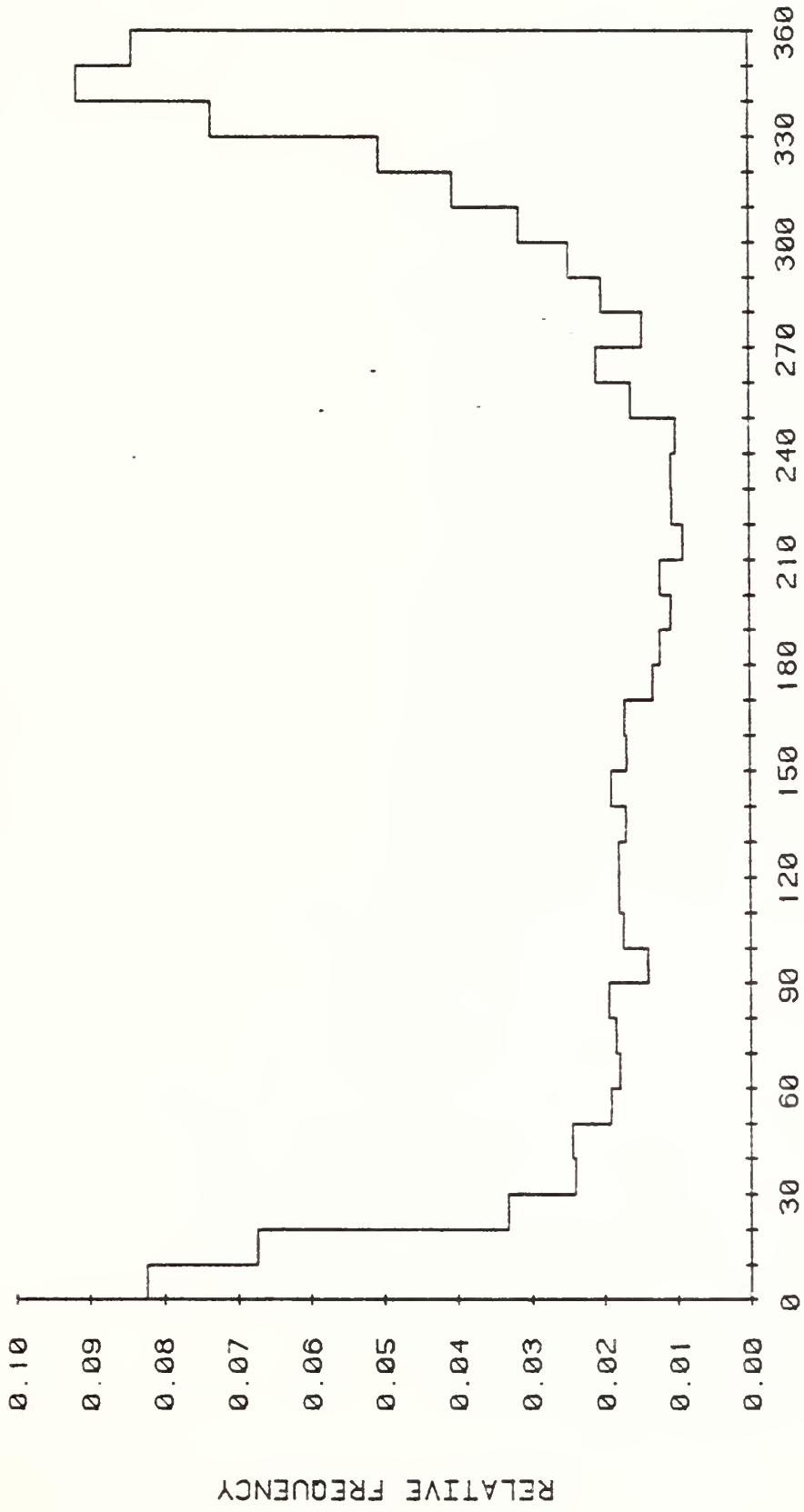


223 M AT STN 2. 25 JUL 78 - 28 AUG 78. TAPE 2759/1.

223 M AT STN 2. 25 JUL 78 - 28 AUG 78. TAPE 2759/1.



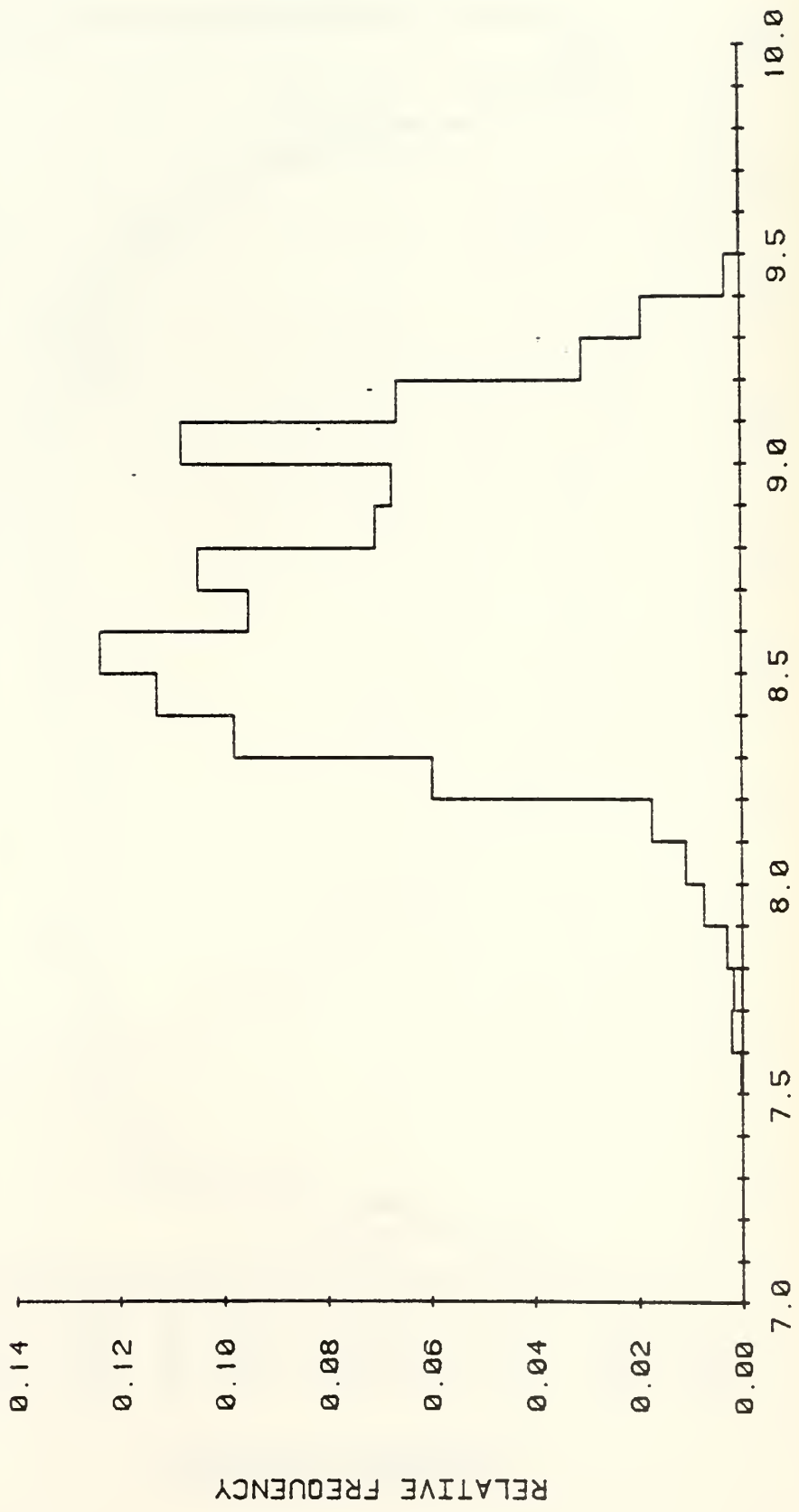
223 M AT STN 2. 25 JUL 78 - 28 AUG 78. TAPE 2759/1.



DIRECTION, DEGREES TRUE

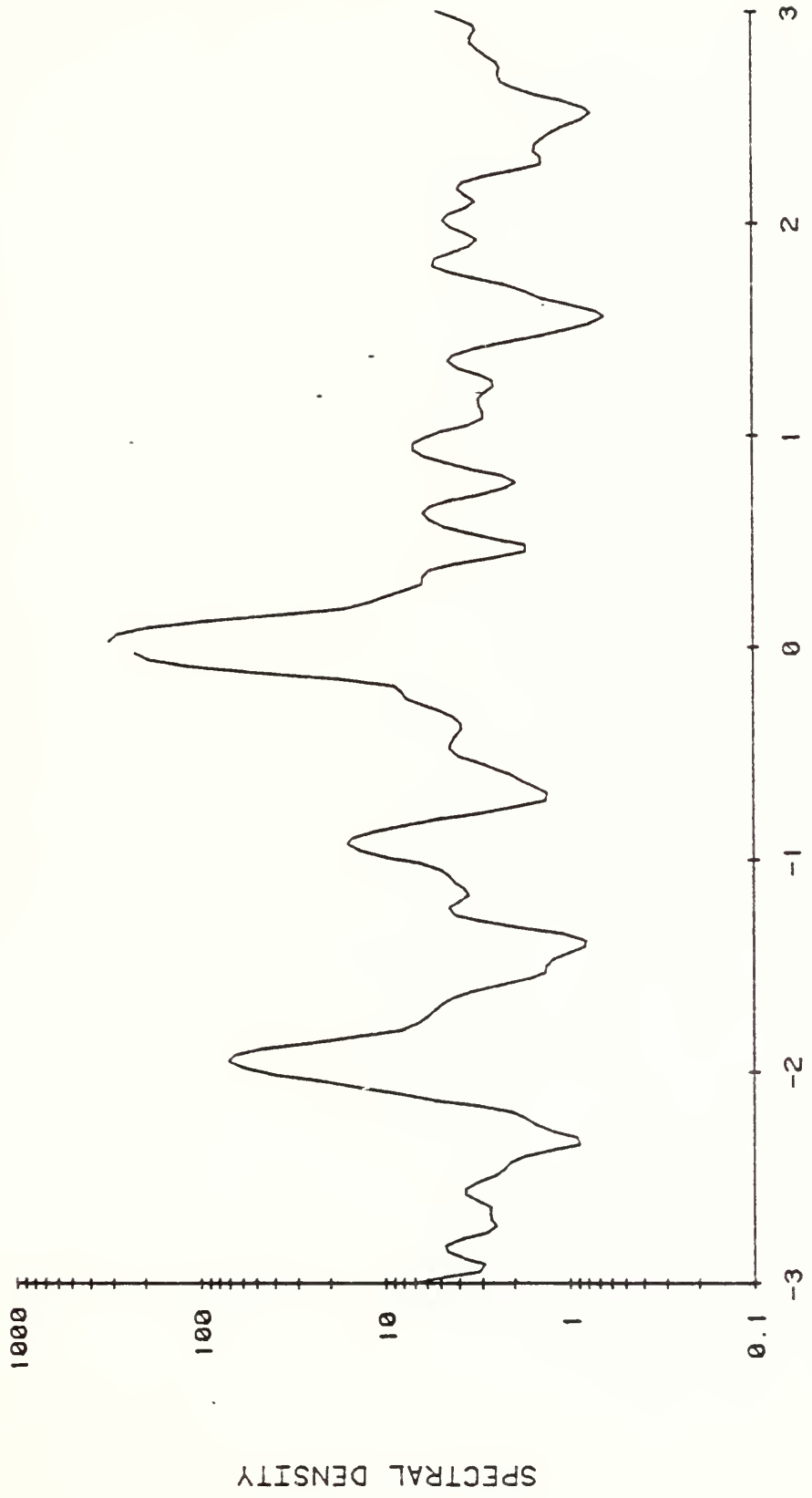
223 M AT STN 2. 25 JUL 78 - 28 AUG 78. TAPE 2759/1.

↓ MEAN

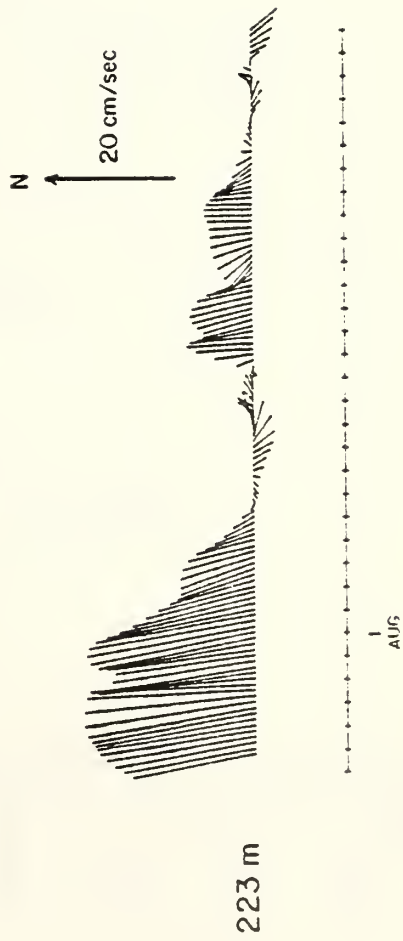


TEMPERATURE, DEGREES C.

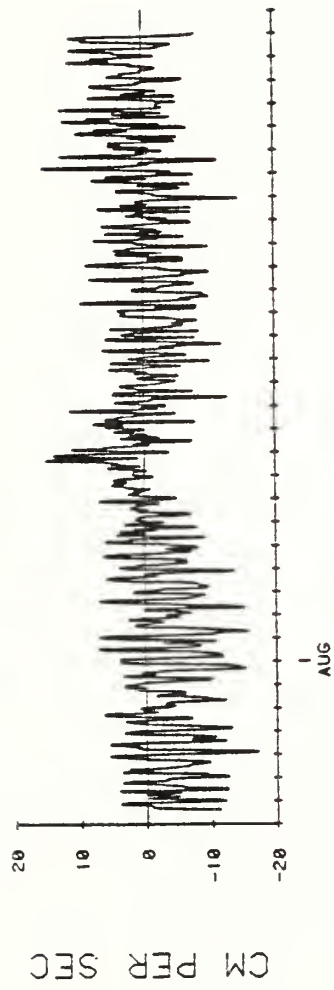
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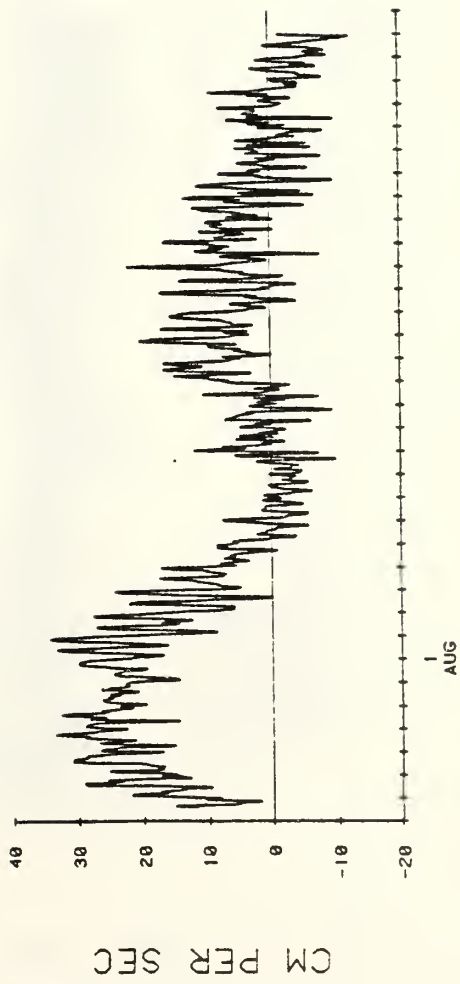
LLP FILTERED CURRENT AT STN 2. JUL - AUG 78.



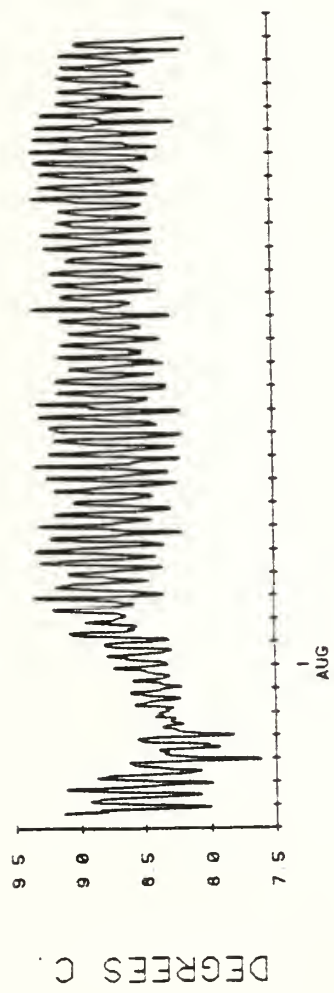




U COMPONENT. 223 M AT STN 2



V COMPONENT . 223 M AT STN 2 .

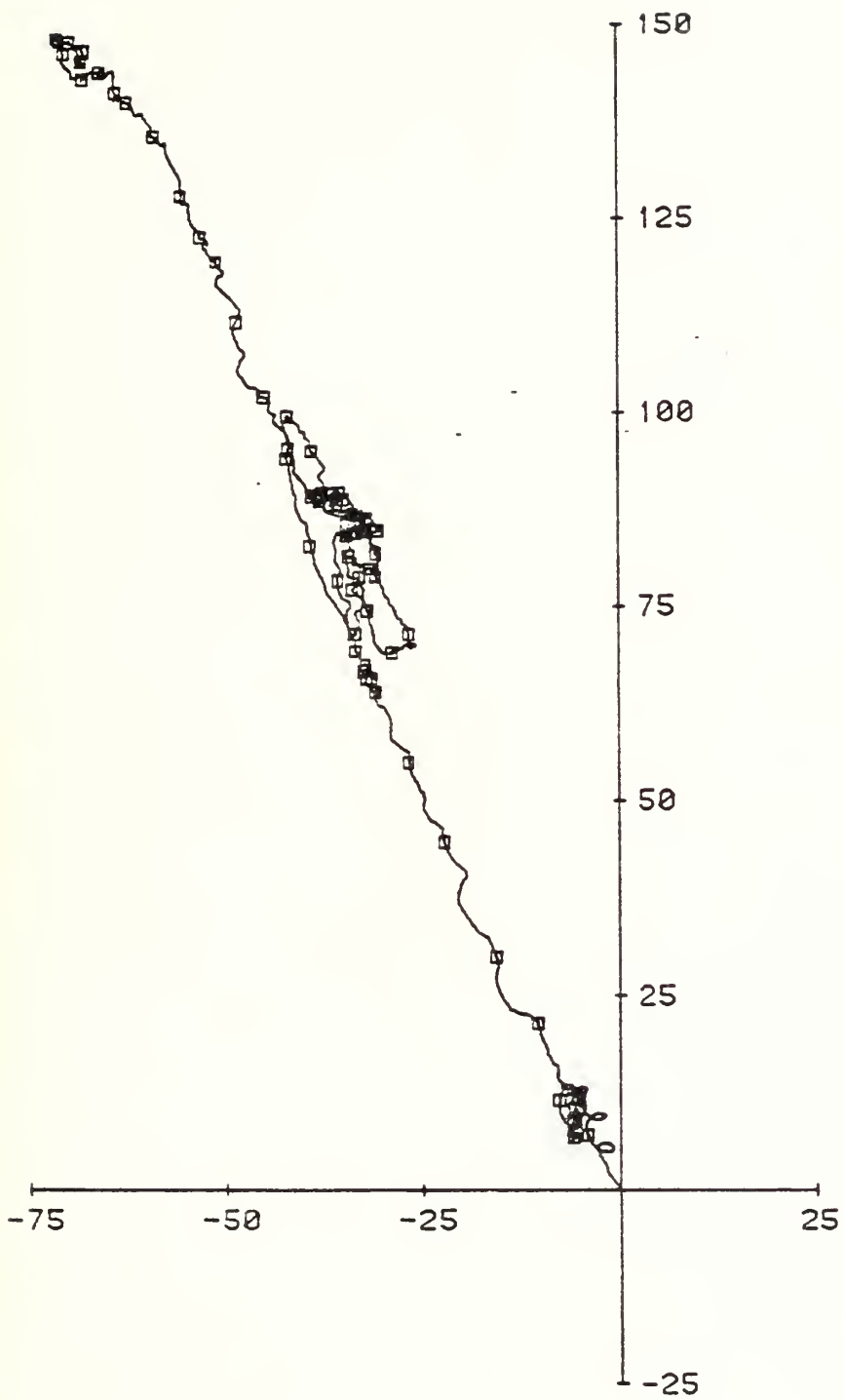


TEMPERATURE. 223 M AT STN 2.

STATION 2 - 35°52.1'N, 121°52.0'W  
20 SEP 78 - 27 NOV 78

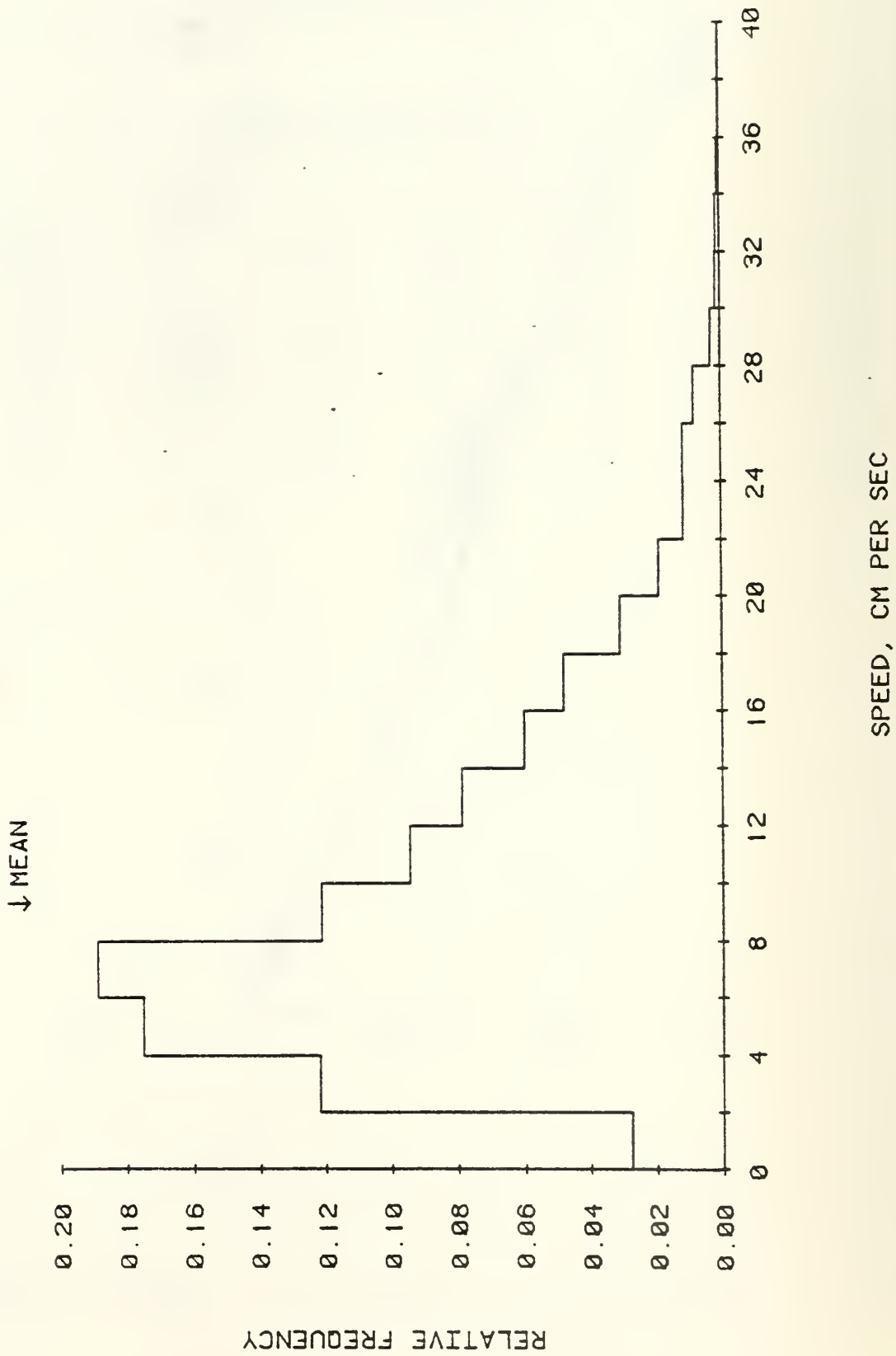
Record #2, Depth 187 m

	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	9.30	5.73	1.10	4.15	0.80	37.10	9795
U(cm/s)	-1.17	6.68	-0.06	3.63	-28.20	28.60	9795
V(cm/s)	2.47	8.20	0.39	3.17	-21.70	32.30	9795
T(°C)	9.23	0.27	-0.37	3.07	8.29	10.14	9795



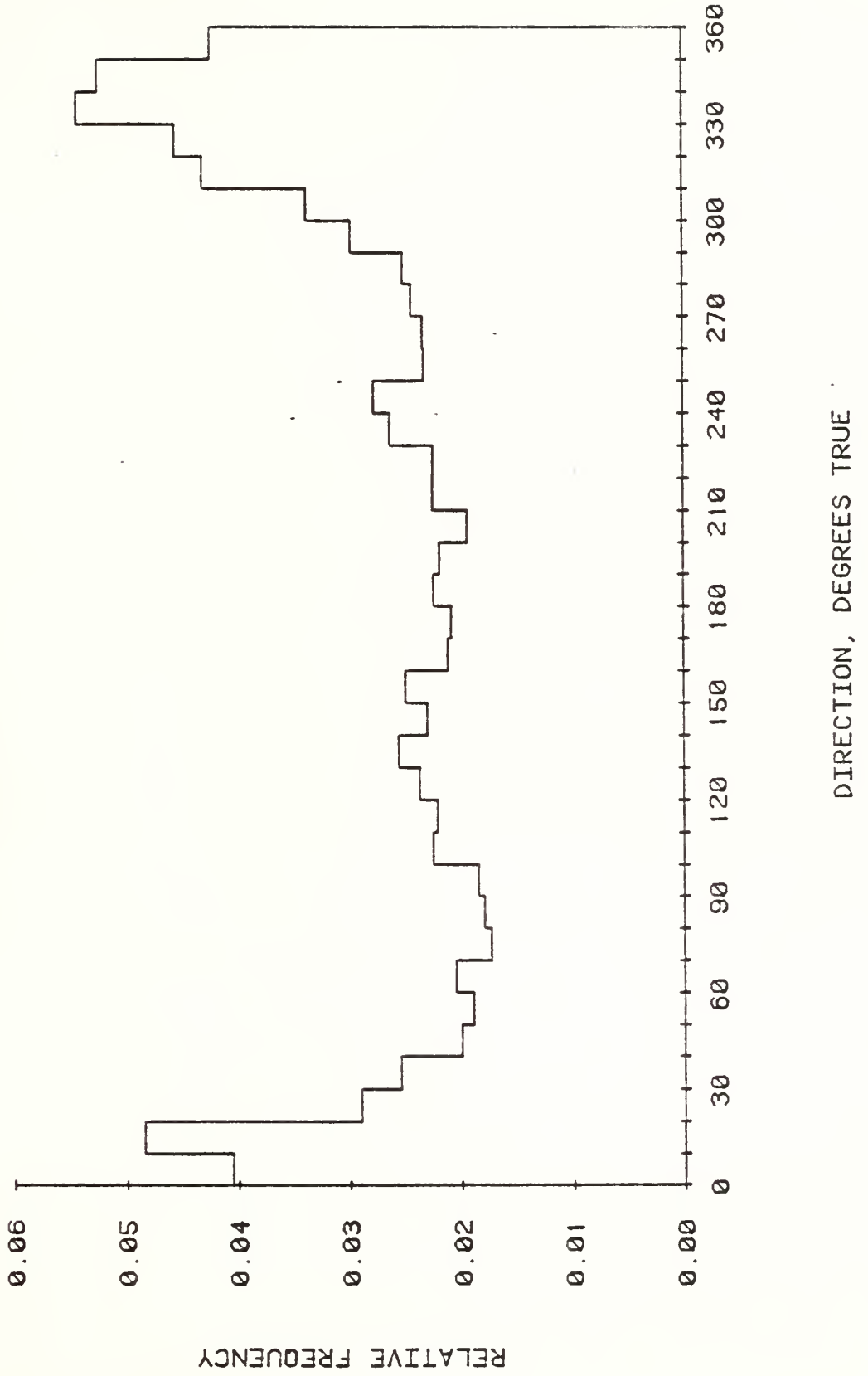
187 M AT STN 2. 20 SEP 78 - 27 NOV 78. TAPE 2760/1.

187 M AT STN 2. 20 SEP 78 - 27 NOV 78. TAPE 2760/1.

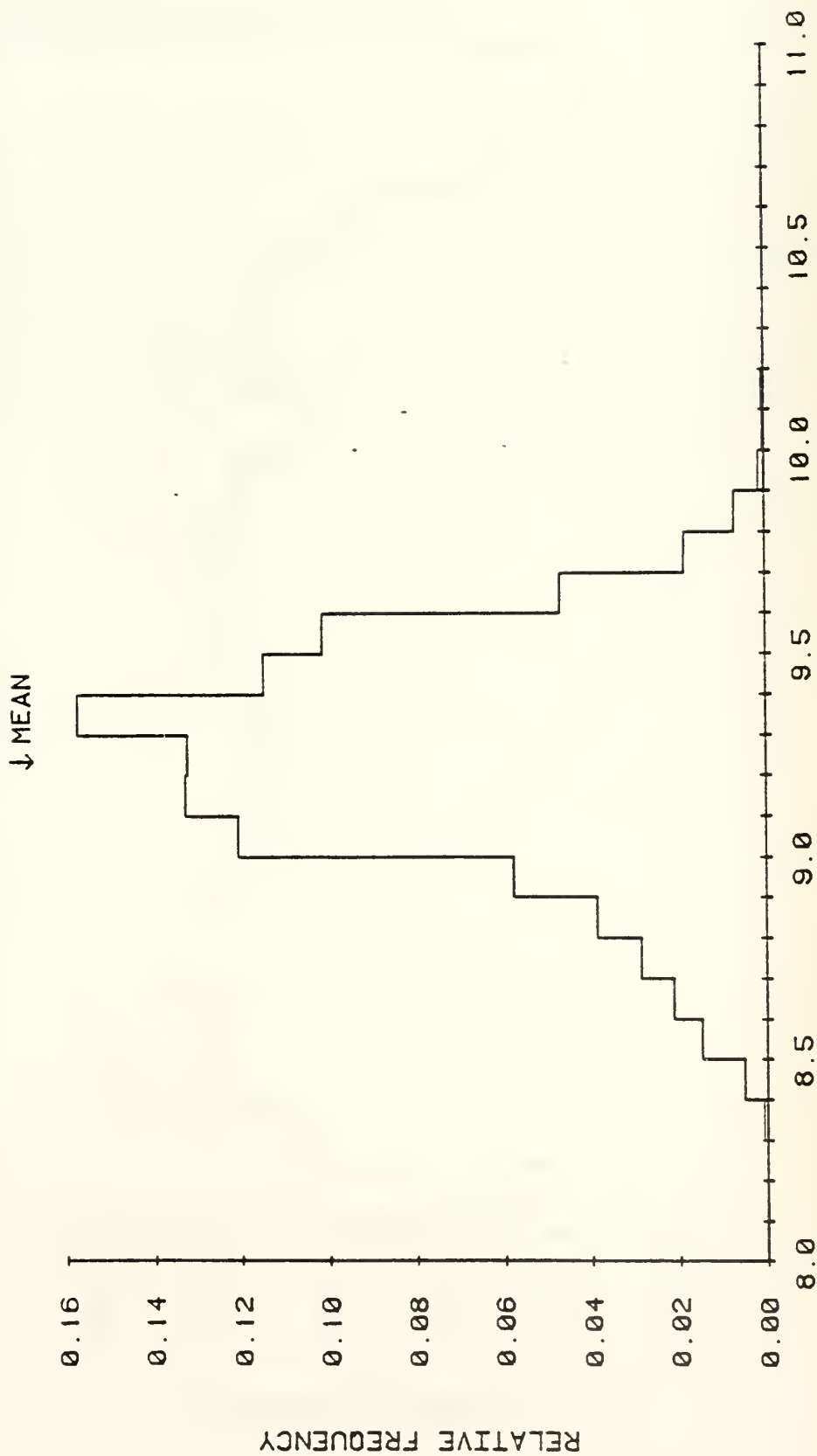




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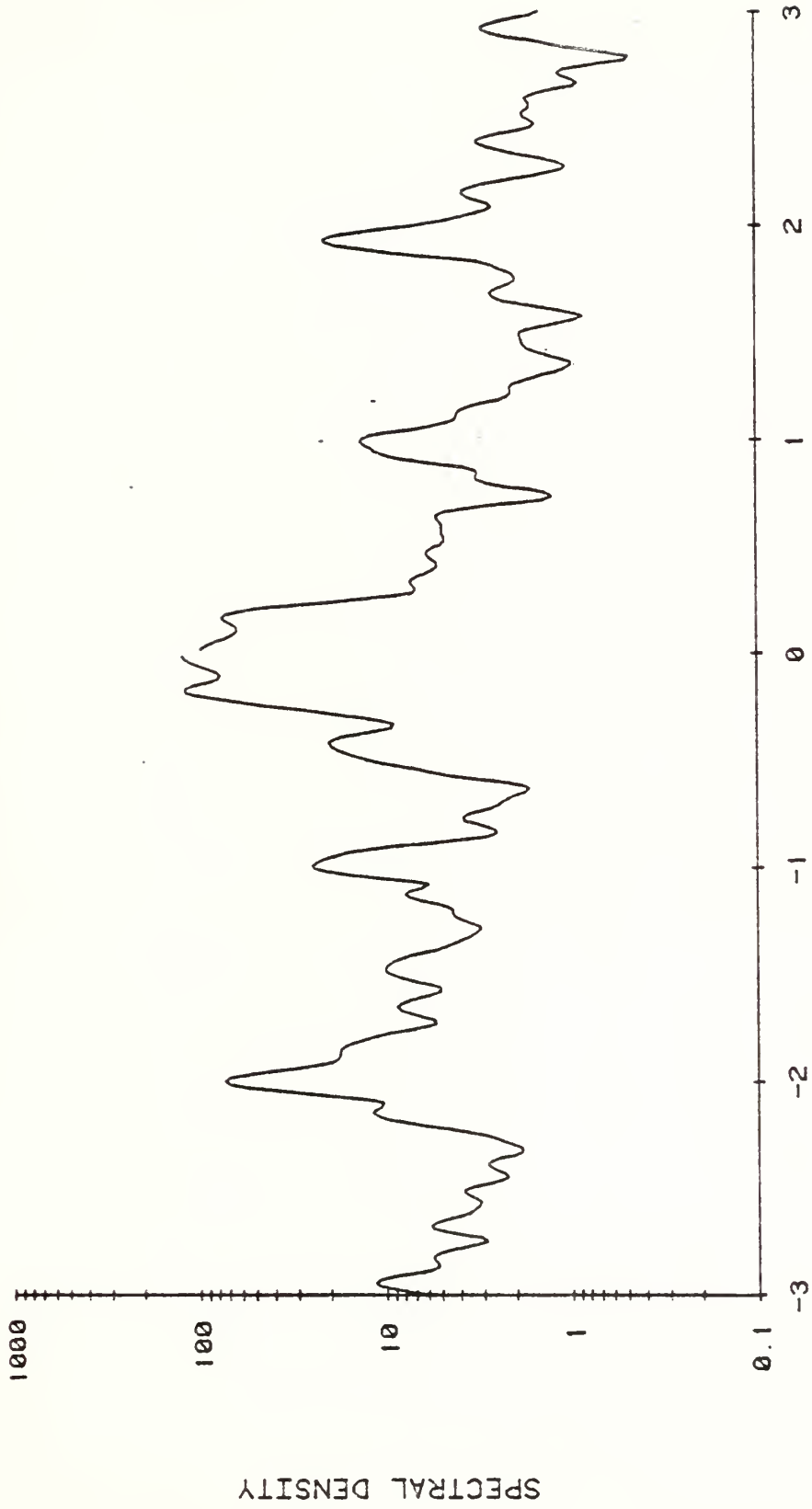


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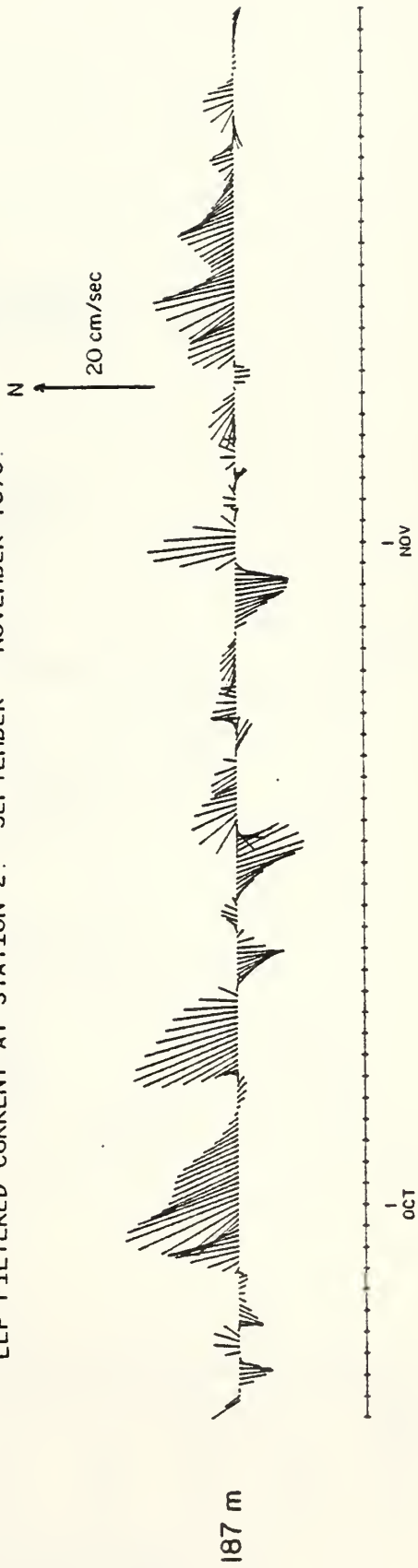


TEMPERATURE, DEGREES C.

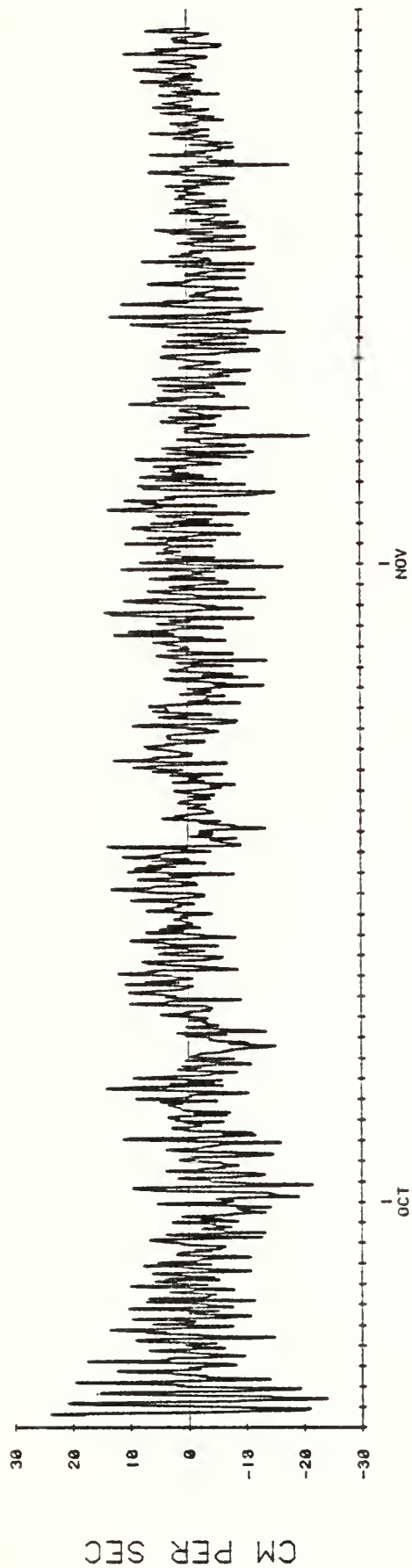
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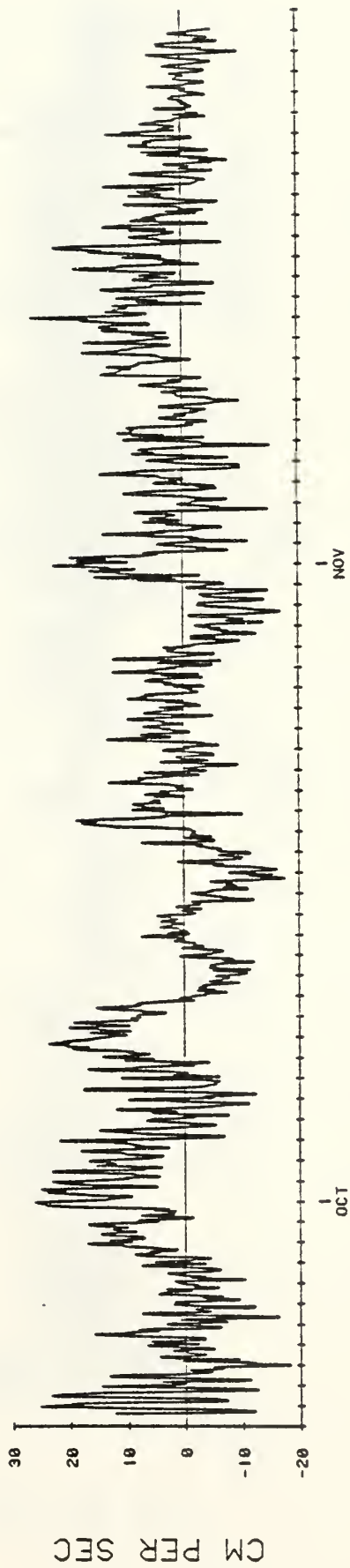
LLP FILTERED CURRENT AT STATION 2. SEPTEMBER - NOVEMBER 1978.



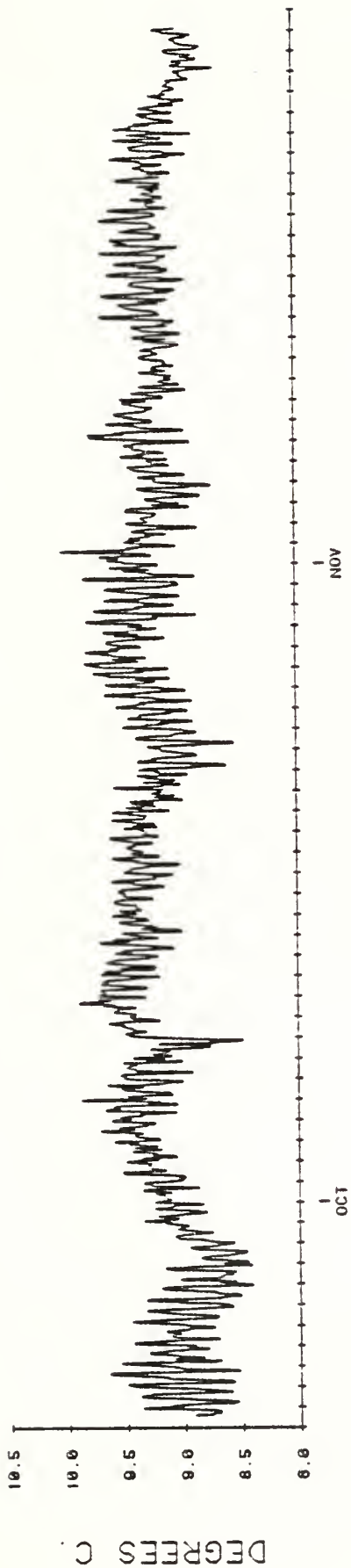
187 m



U COMPONENT . 187 M AT STN 2 .



V COMPONENT . 187 M AT STN 2 .



TEMPERATURE 187 M AT STN 2.



STATION 2 - 35° 52.0'N, 121° 33.0'W  
 27 Nov 78 - 22 Jan 79

Record #3, Depth 100 m

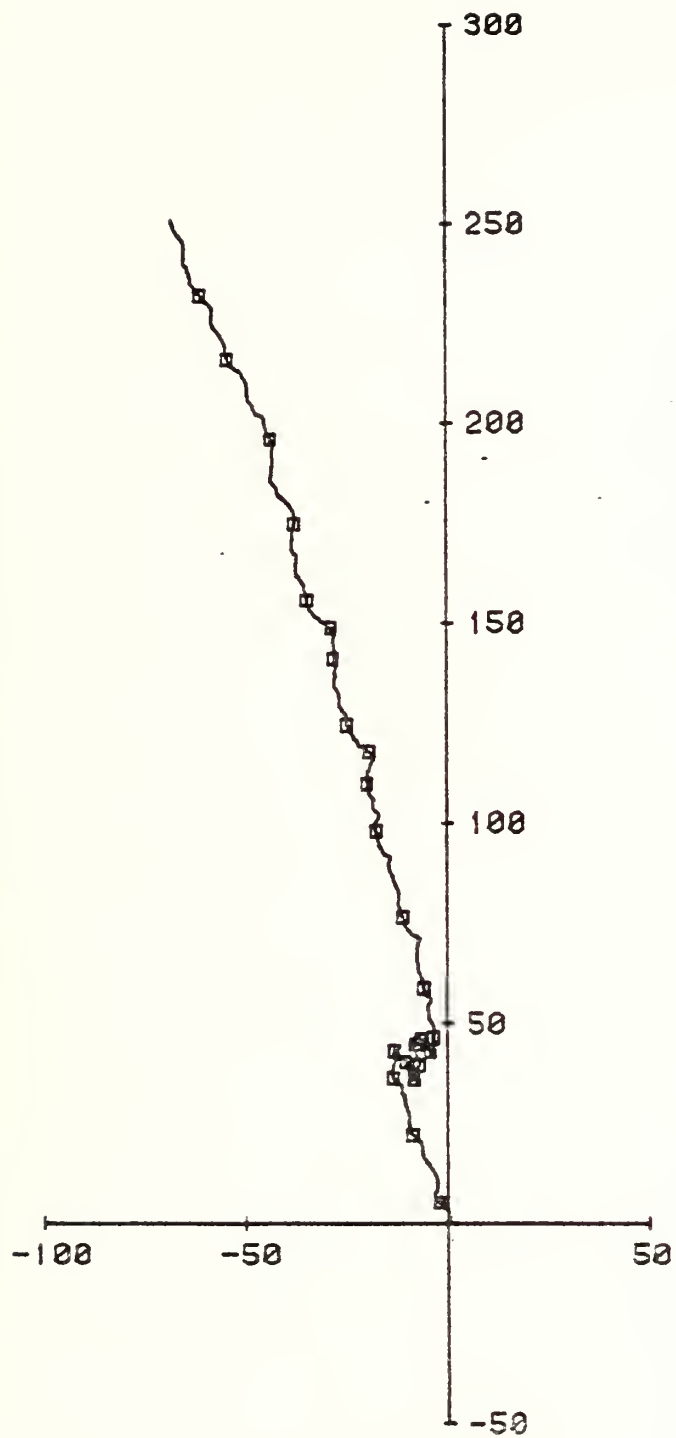
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	18.27	11.54	0.47	2.36	0.80	57.80	8040
U(cm/s)	-3.26	8.43	-0.20	3.31	-32.30	31.50	3500
V(cm/s)	11.94	11.94	-0.11	2.50	-29.50	42.30	3500
T(°C)	10.34	0.51	0.66	3.17	9.25	12.05	3500

Record #4, Depth 175 m

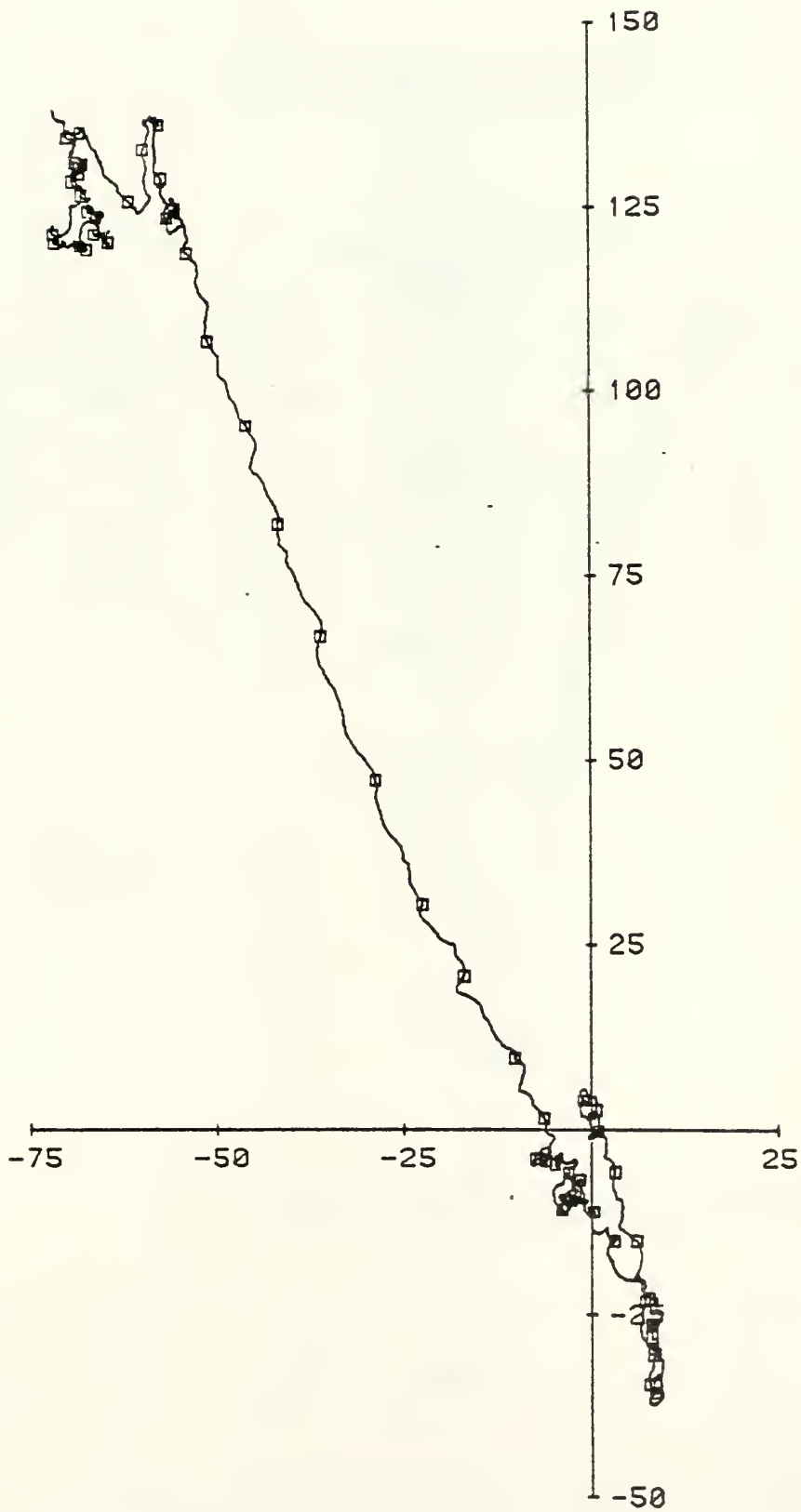
S(cm/s)	11.64	6.36	0.75	3.17	0.80	38.50	8040
U(cm/s)	-1.49	7.67	-0.03	3.00	-32.60	26.10	8040
V(cm/s)	2.86	10.33	0.04	2.76	-34.50	33.40	8040
T(°C)	9.63	0.44	1.35	5.75	8.54	11.66	8040

Record #5, Depth 300 m

S(cm/s)	11.02	6.45	0.85	3.34	0.80	39.00	8040
U(cm/s)	0.14	6.68	-0.17	3.31	-32.30	28.10	8040
V(cm/s)	-0.86	10.85	0.13	2.98	-33.20	39.00	8040
T(°C)	8.21	0.31	-0.00	4.31	6.81	9.47	8040

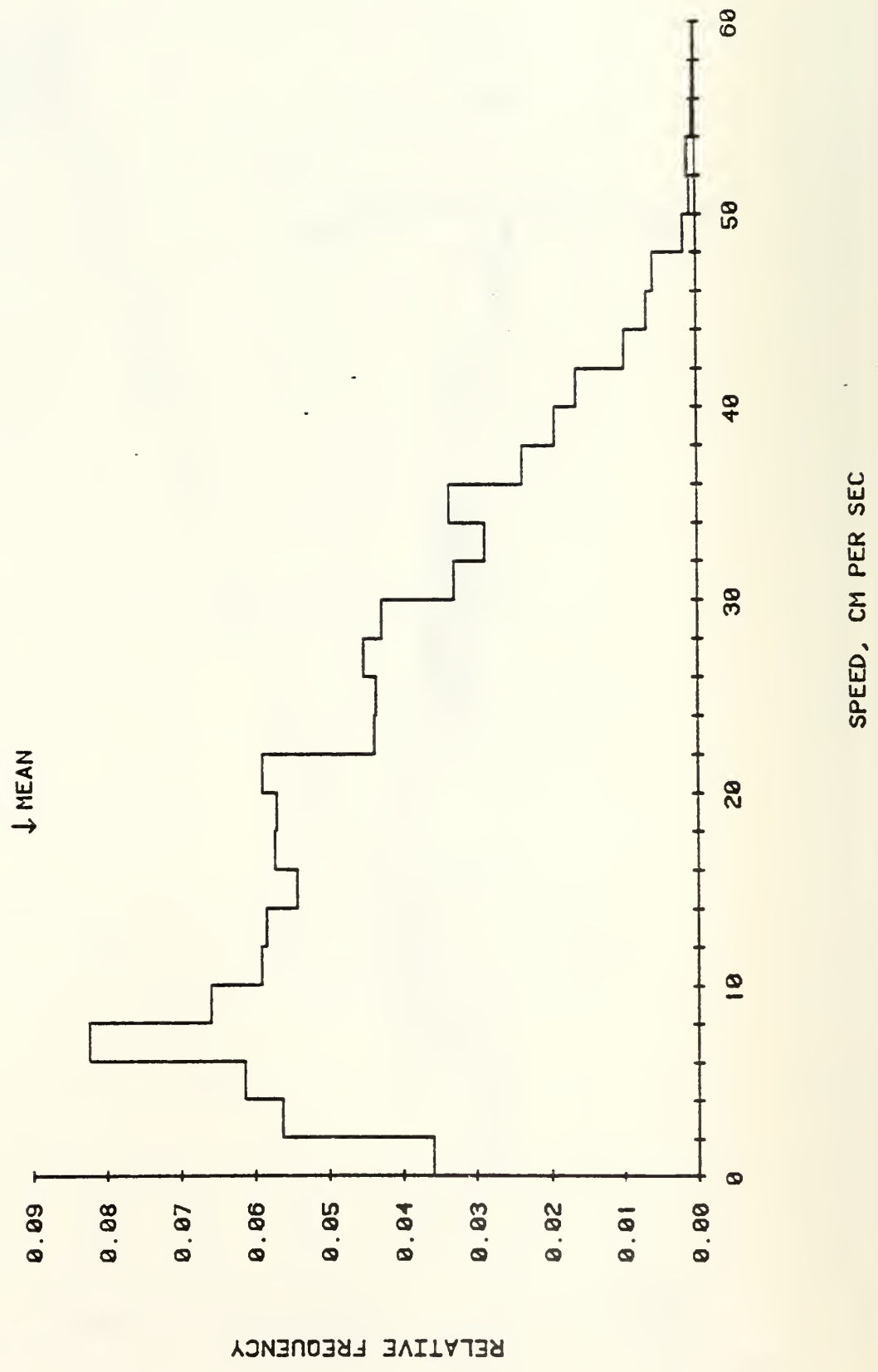


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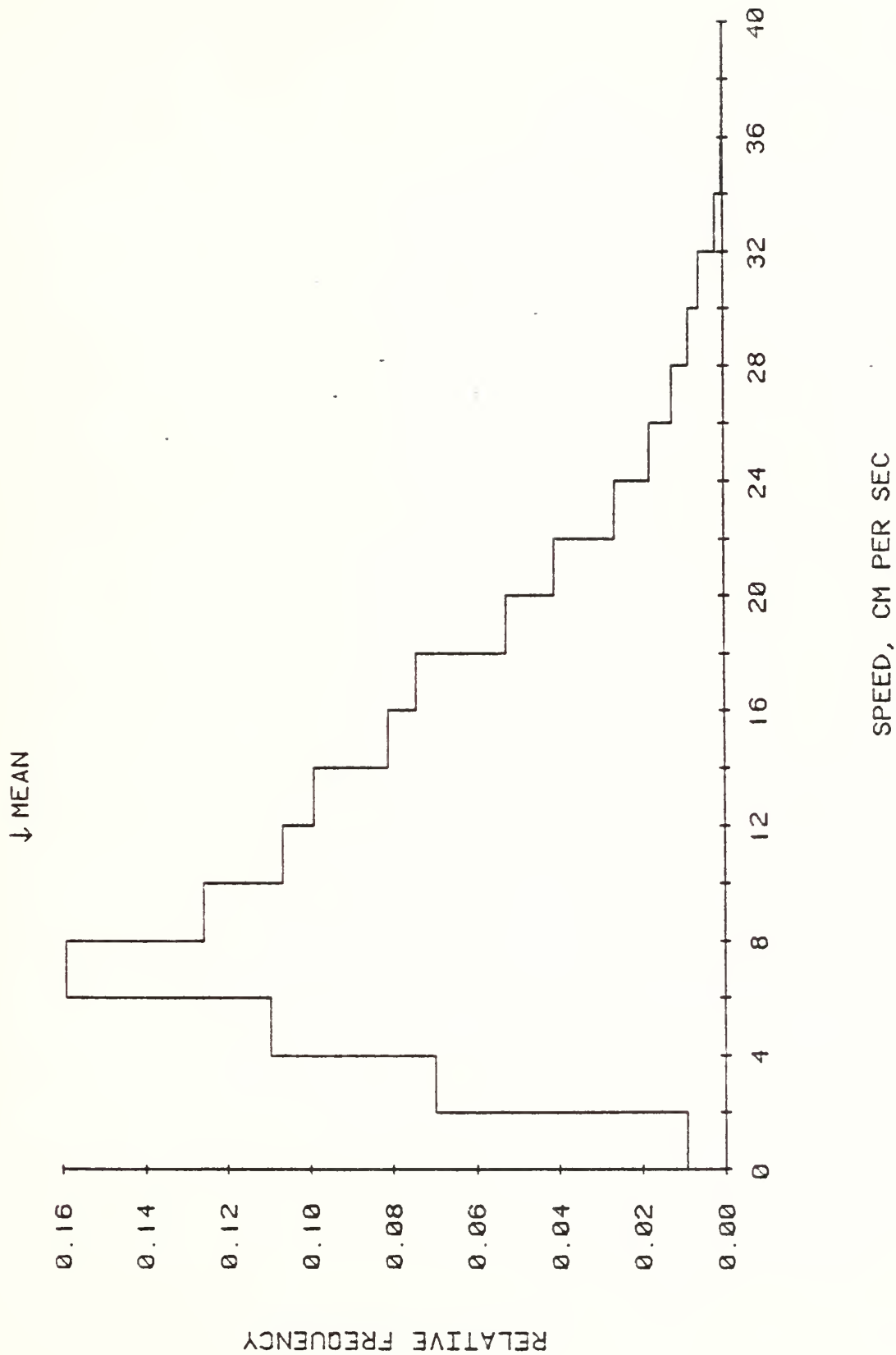




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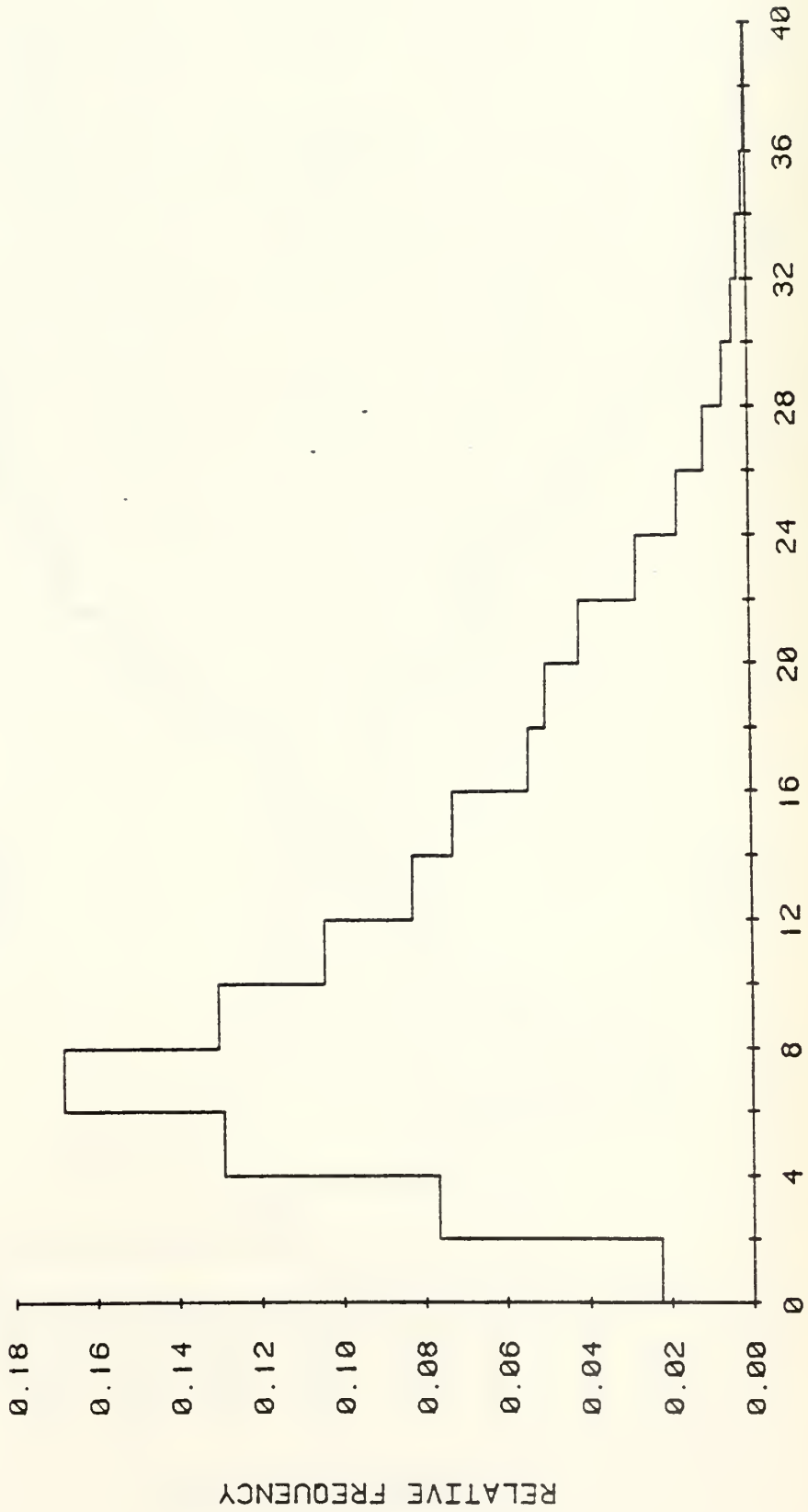


175 M AT STN 2. 27 NOV 78 - 22 JAN 79. TAPE 1965/1.



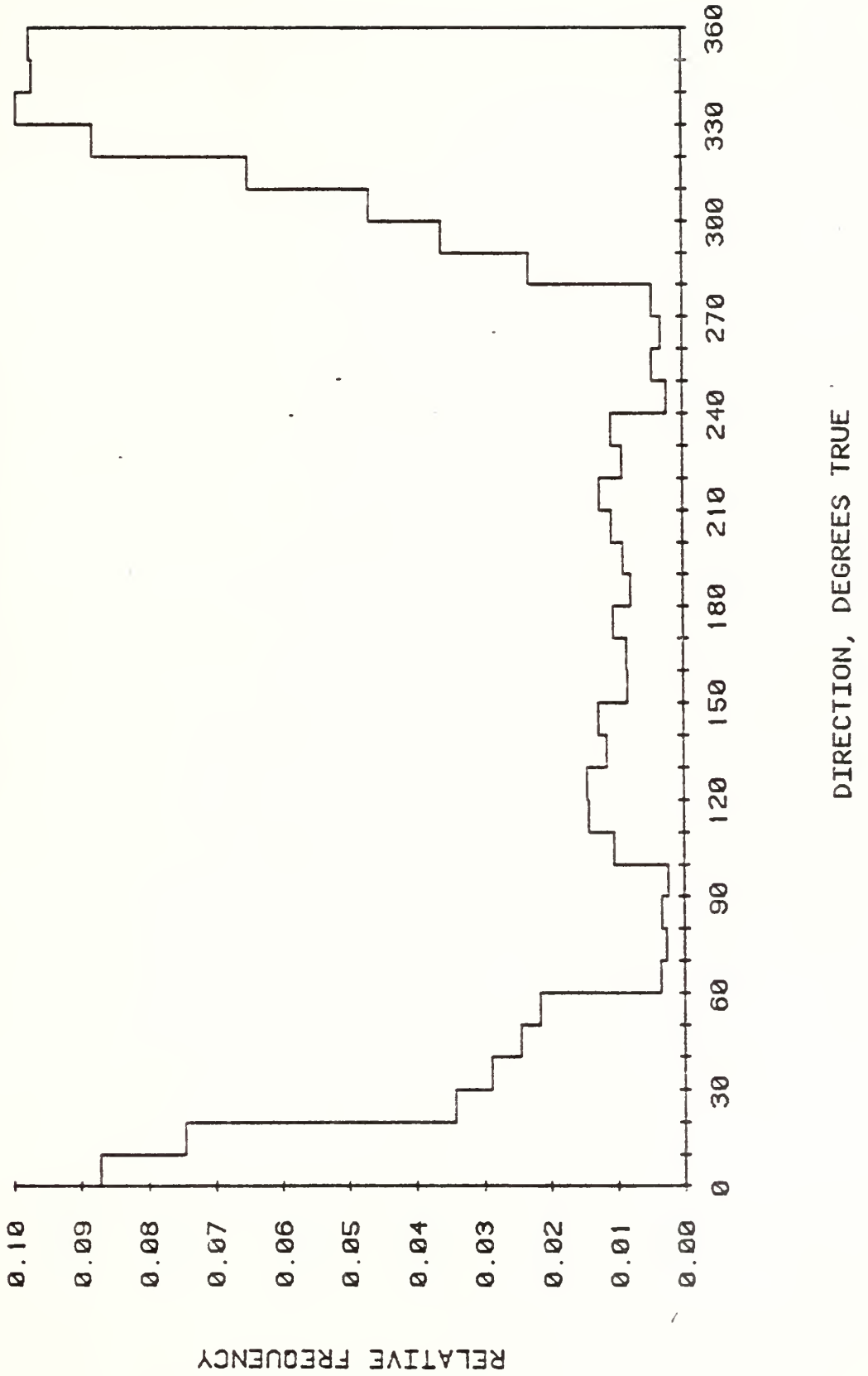
300 M AT STN 2. 27 NOV 78 - 22 JAN 79. TAPE 1624/1.

↓ MEAN



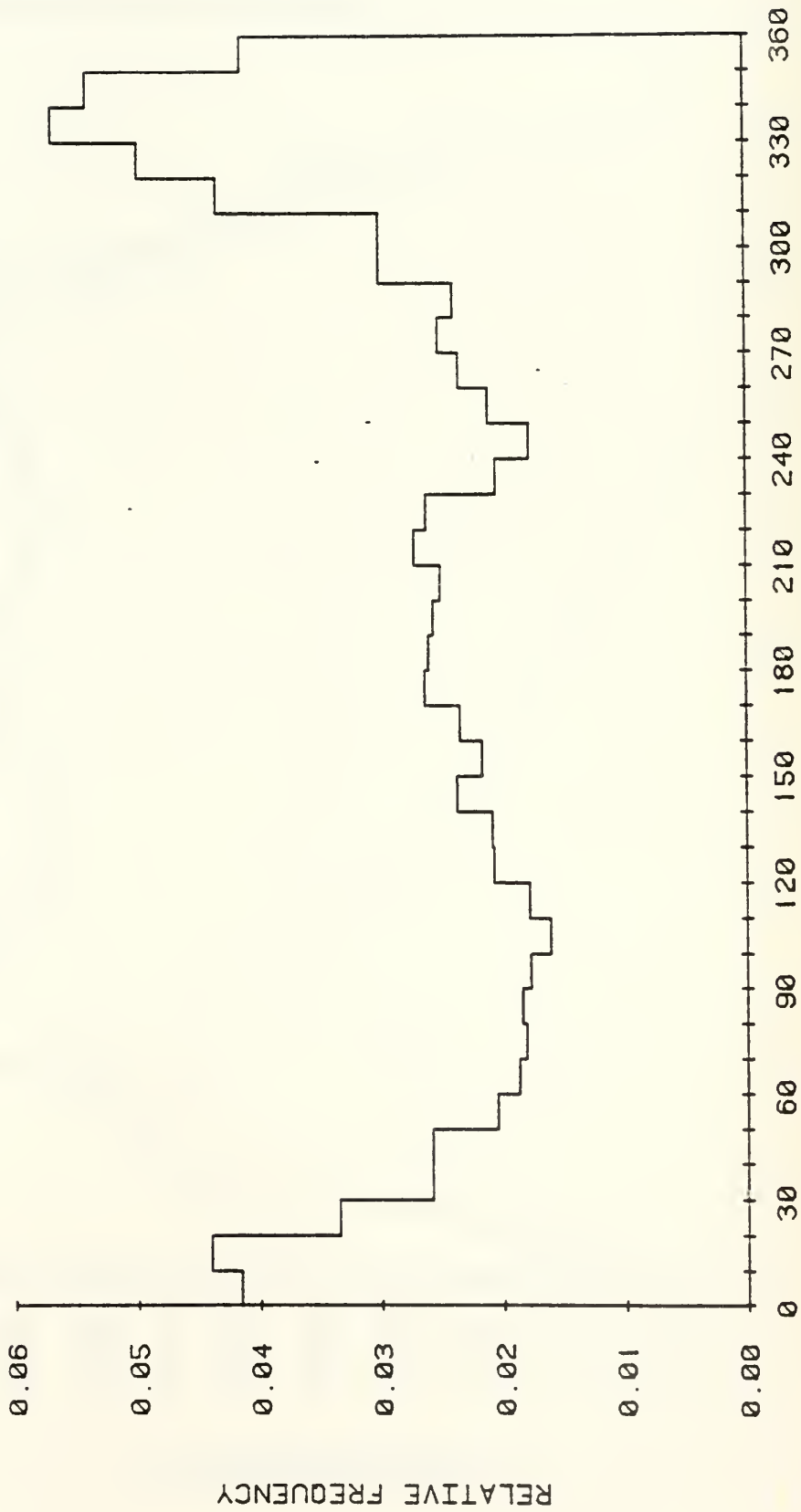
SPEED, CM PER SEC

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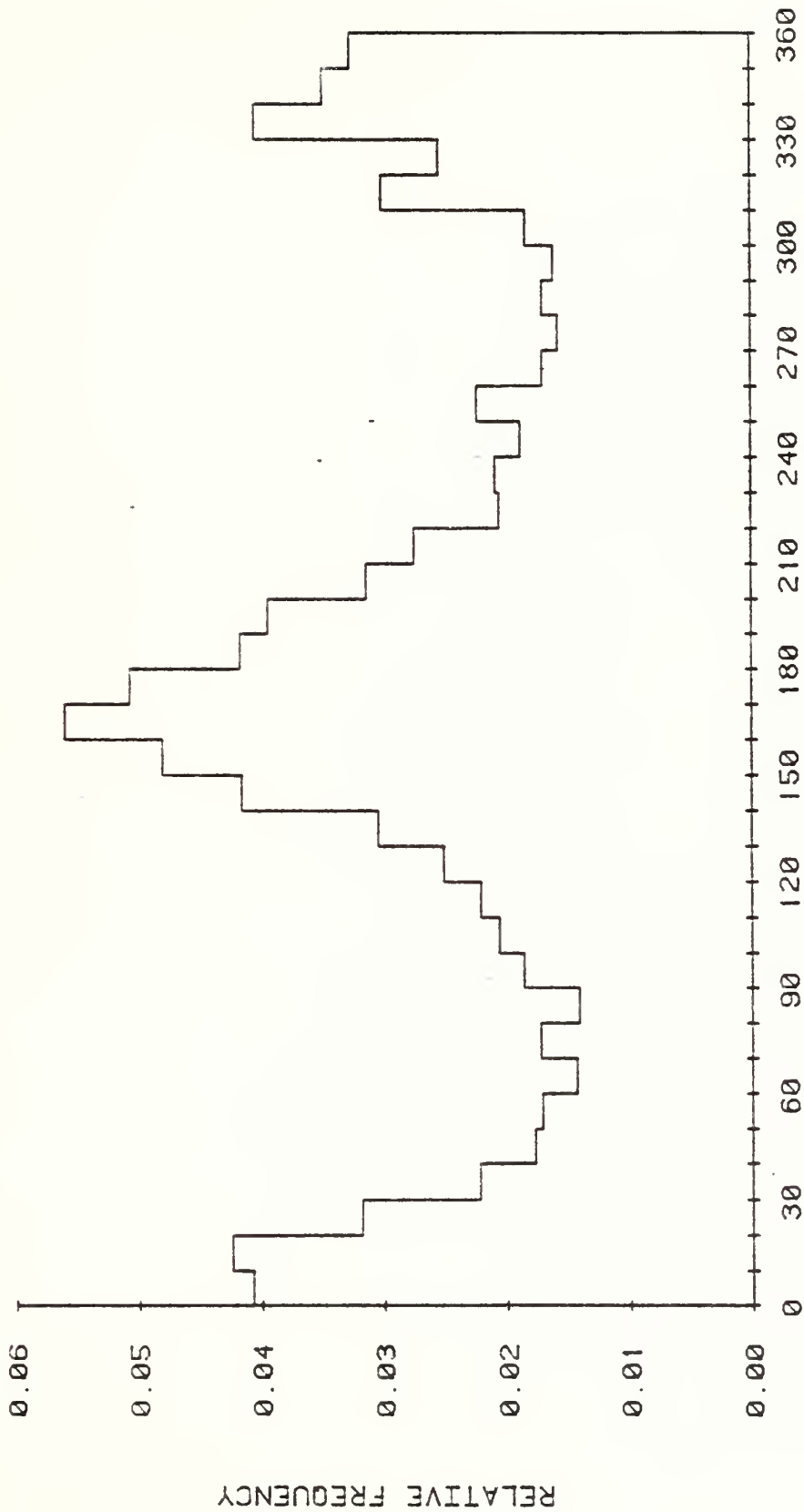




175 M AT STN 2. 27 NOV 78 - 22 JAN 79. TAPE 1965/1.



300 M AT STN 2. 27 NOV 78 - 22 JAN 79. TAPE 1624/1.



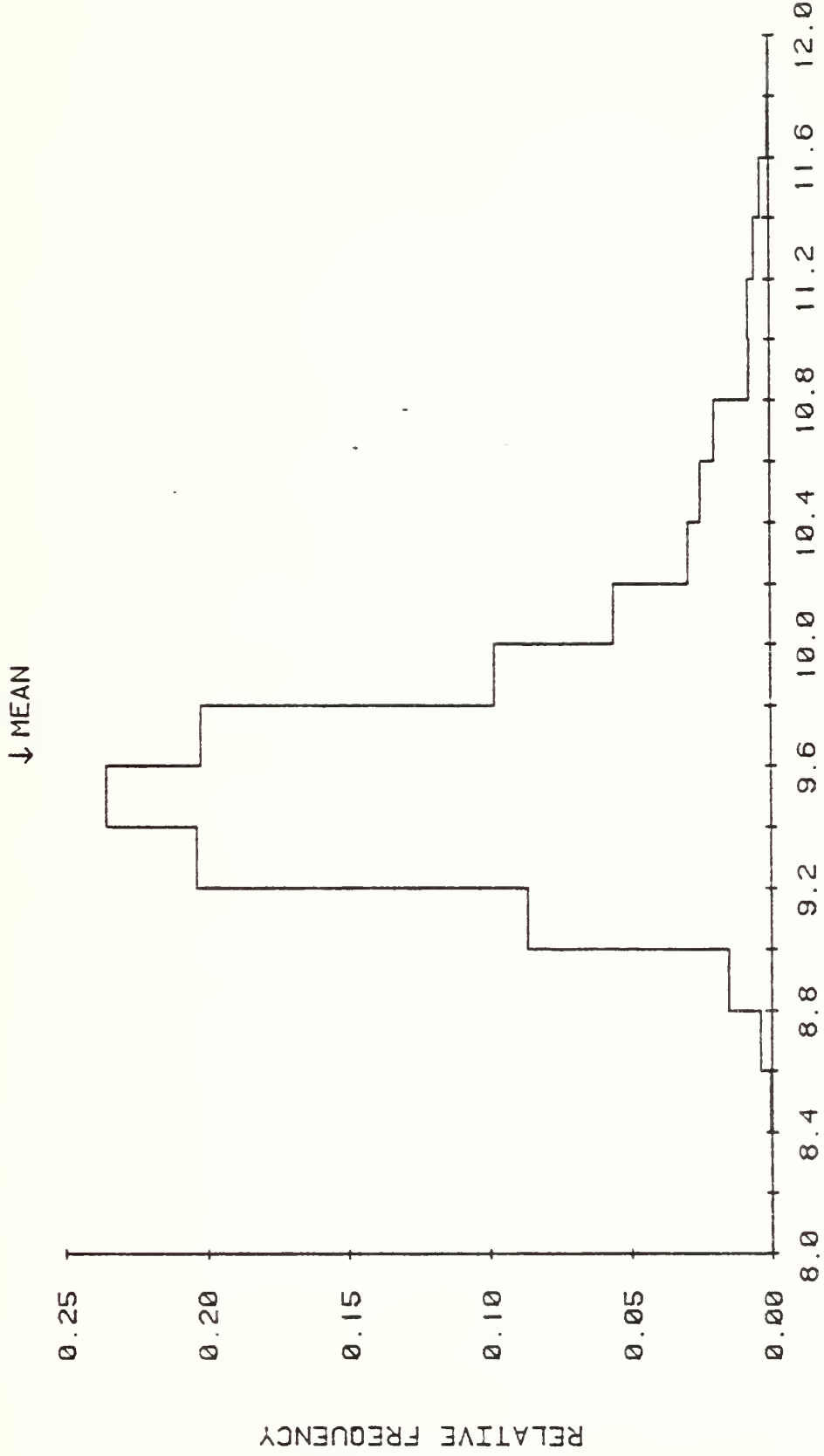
DIRECTION, DEGREES TRUE

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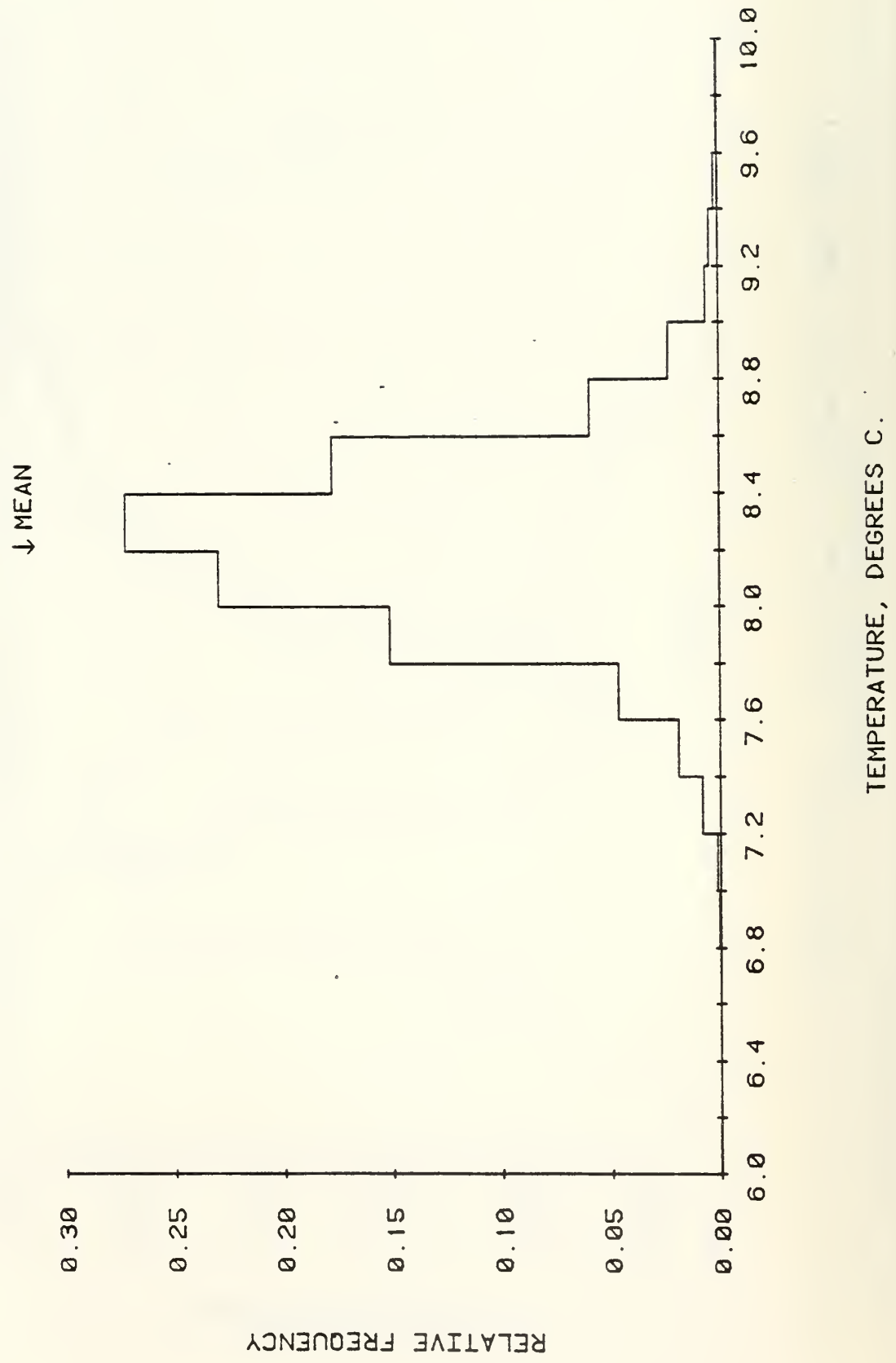
TEMPERATURE, DEGREES C.

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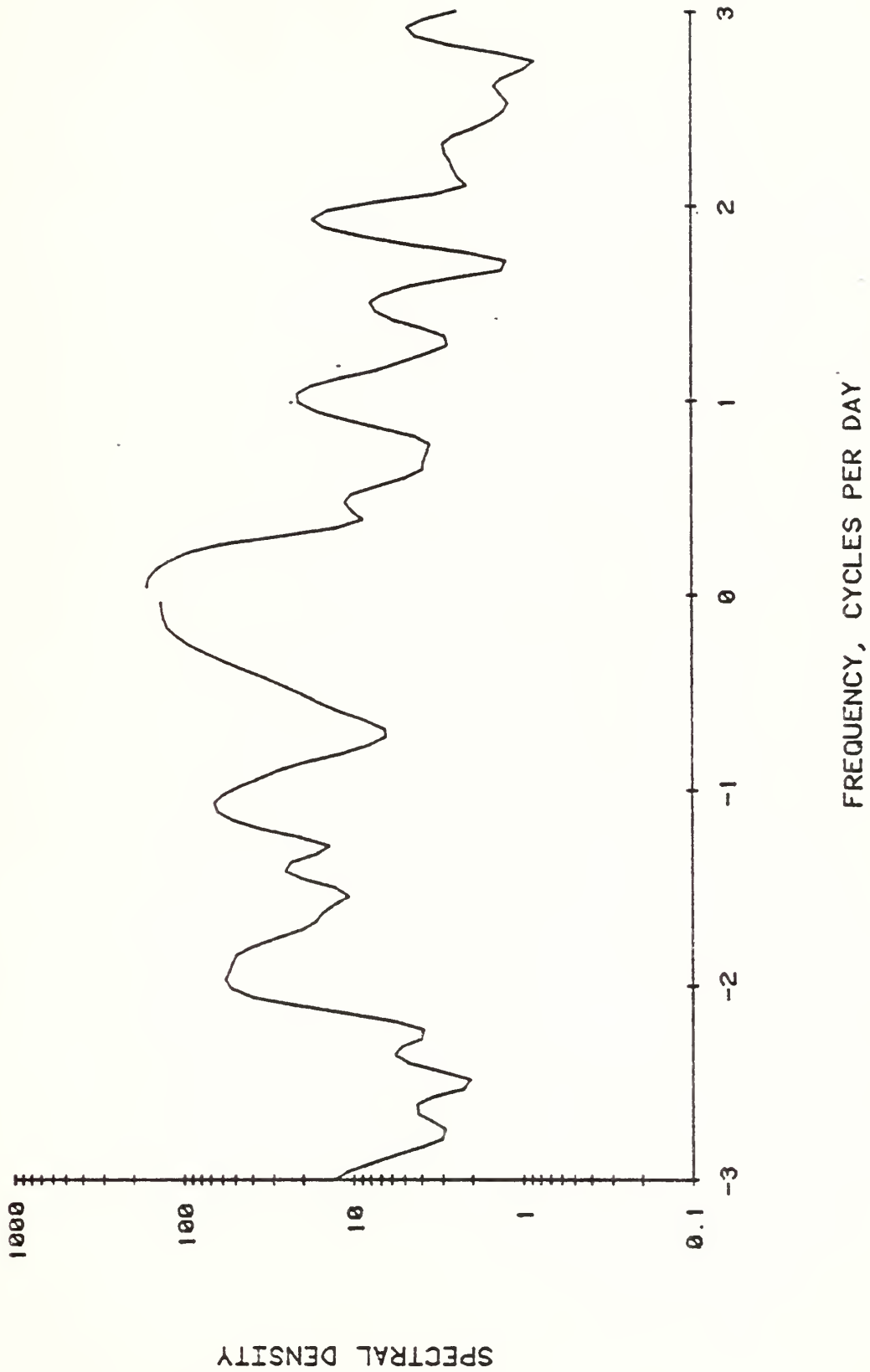


TEMPERATURE, DEGREES C.

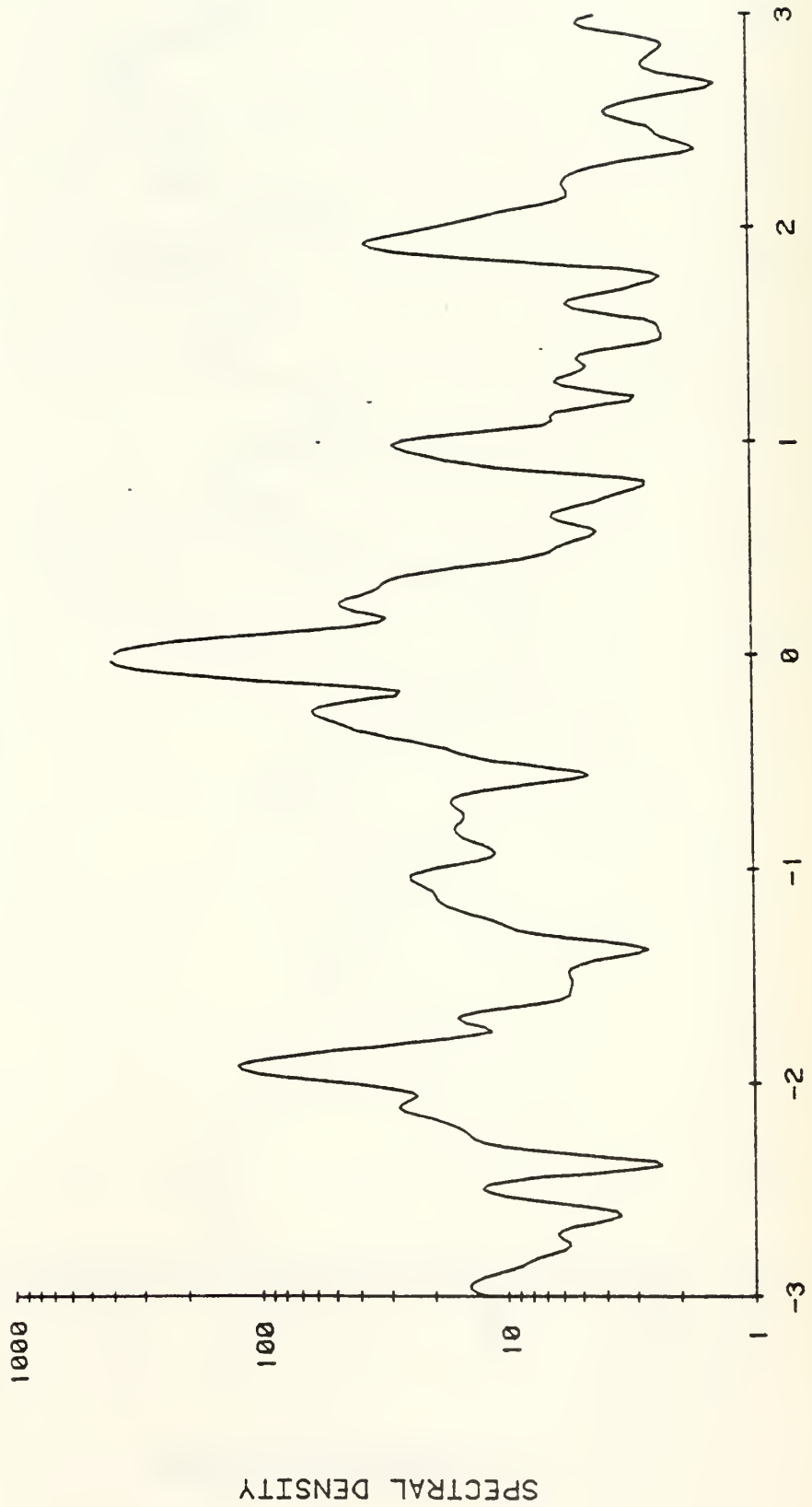
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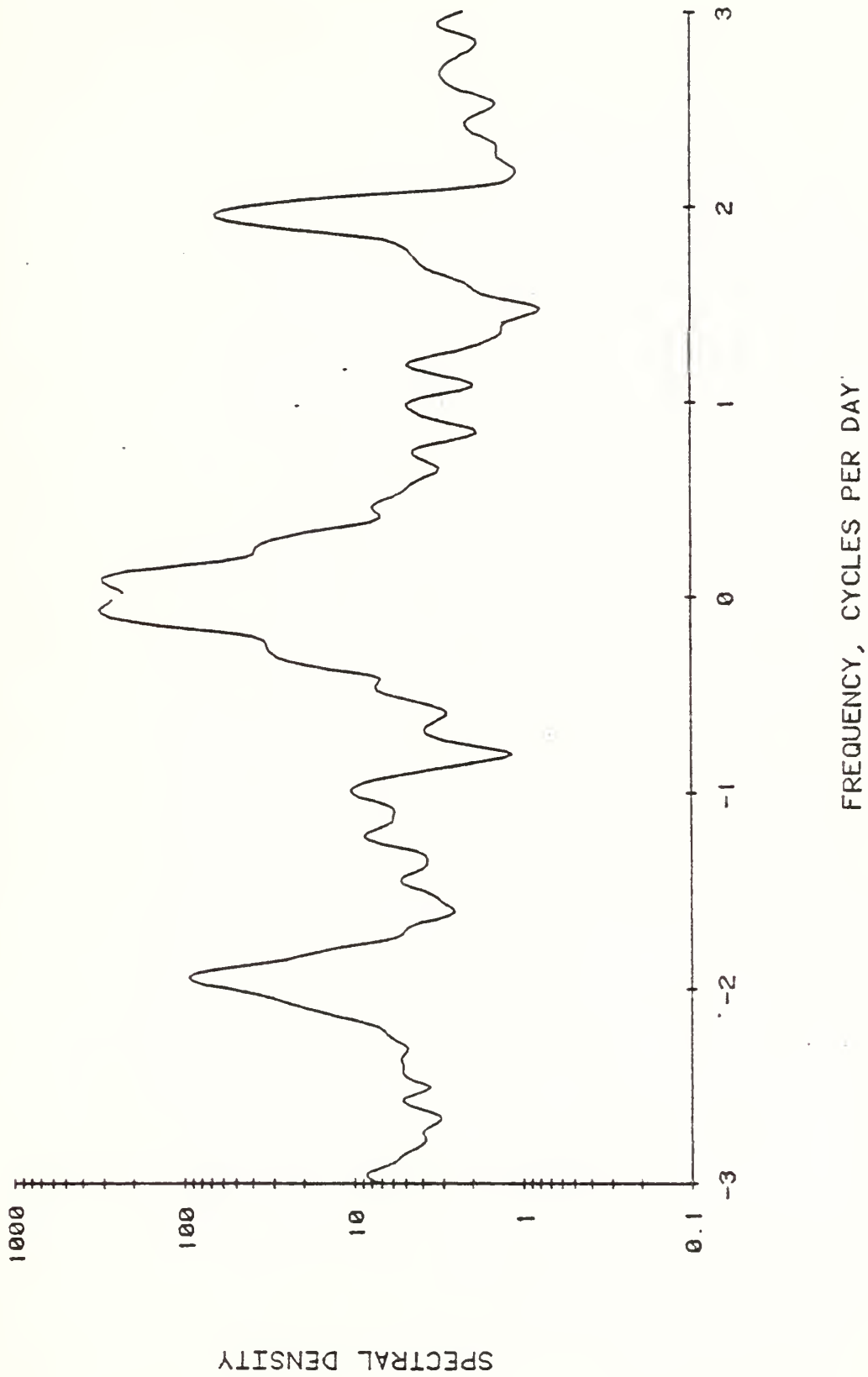
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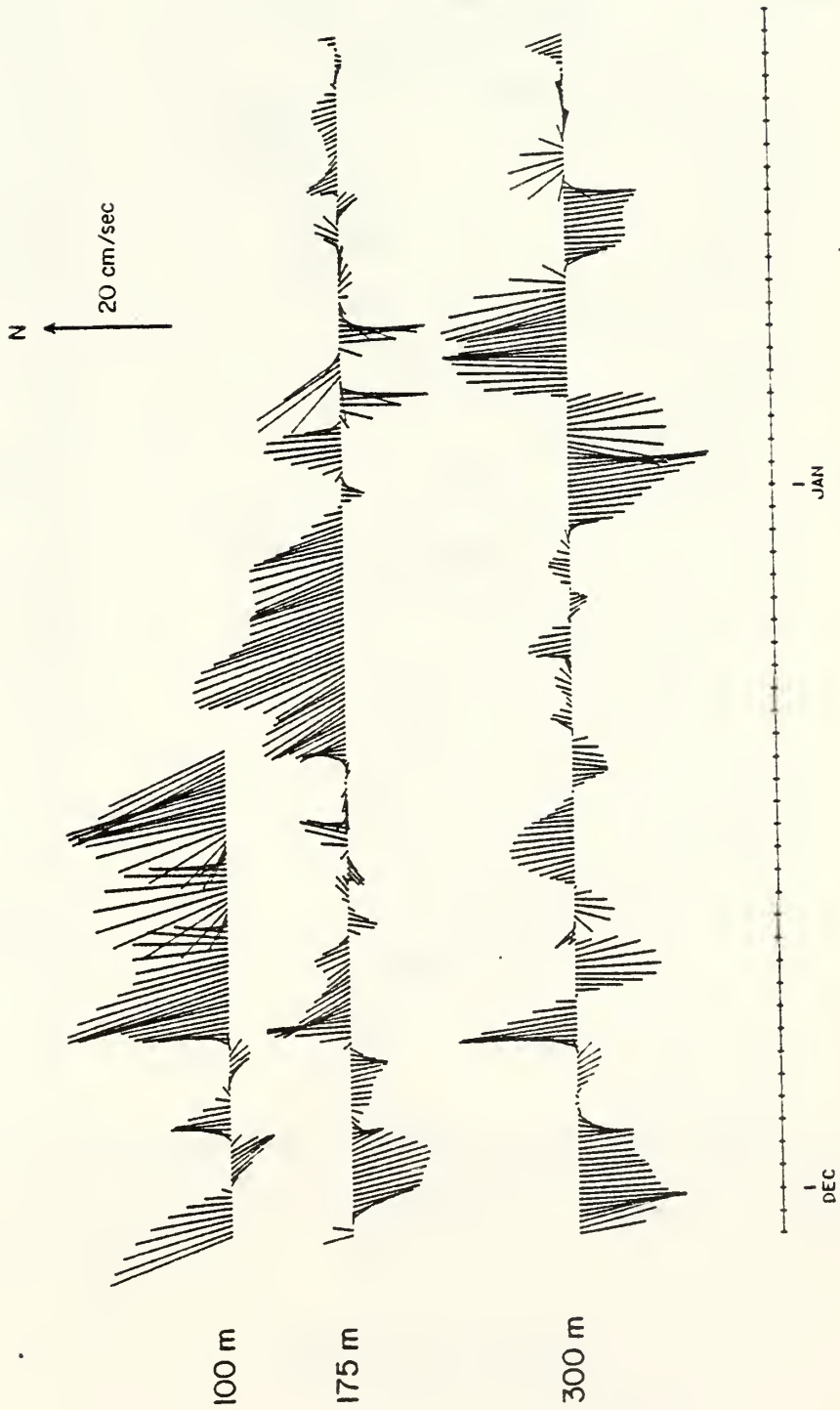


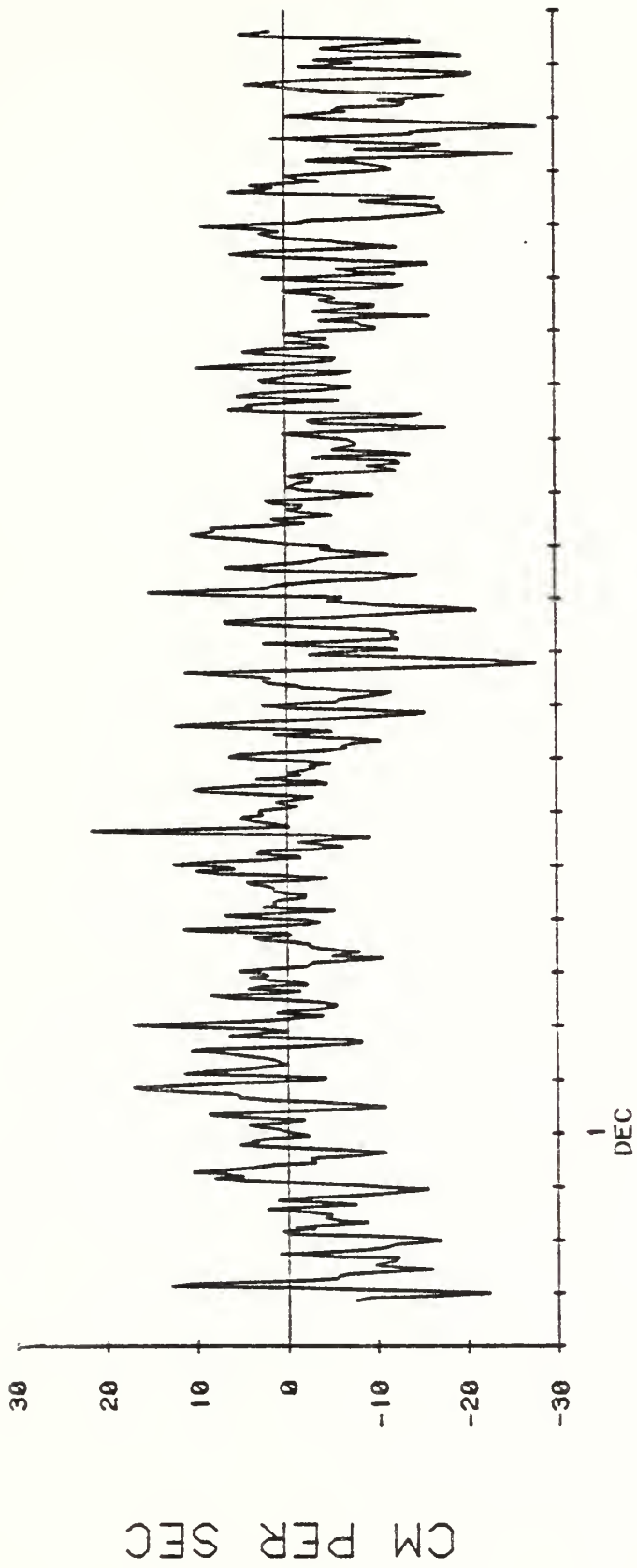
300 M AT STN 2. 27 NOV 78 - 22 JAN 79. TAPE 1624/1.



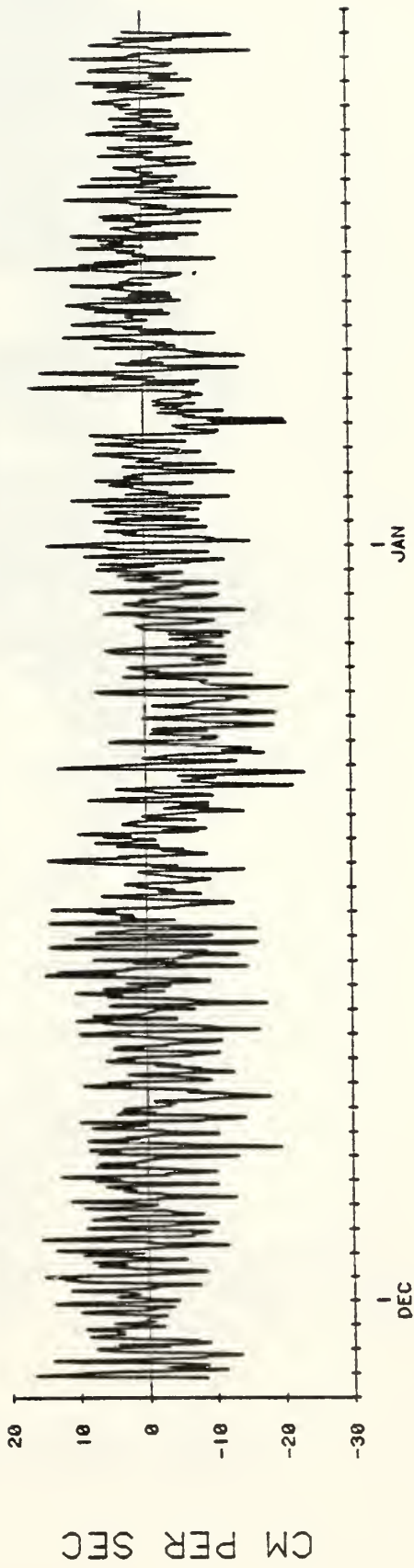


LLP FILTERED CURRENT AT STATION 2. NOVEMBER 1978 - JANUARY 1979.

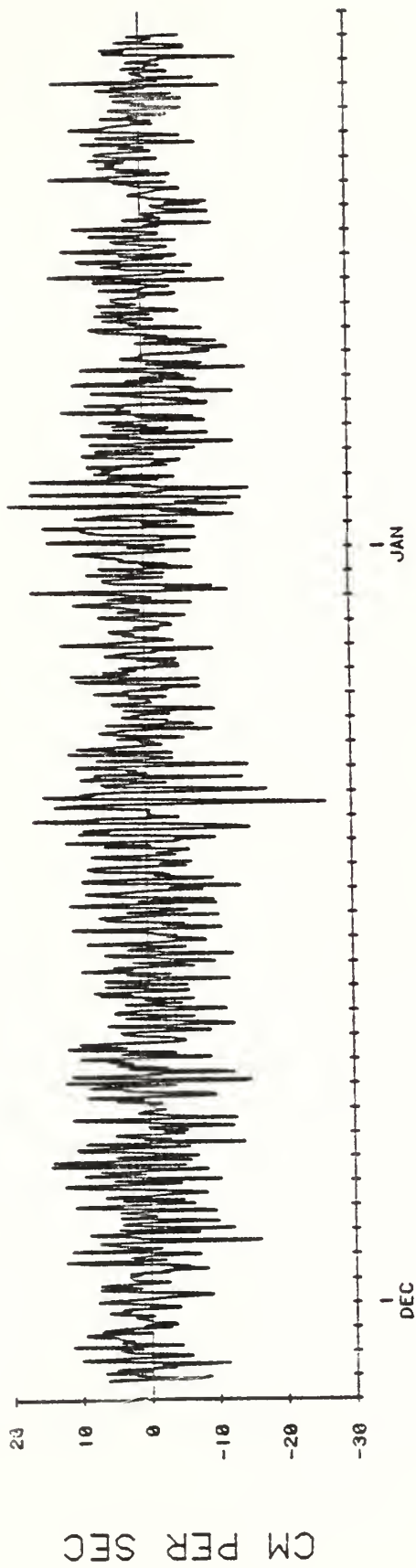




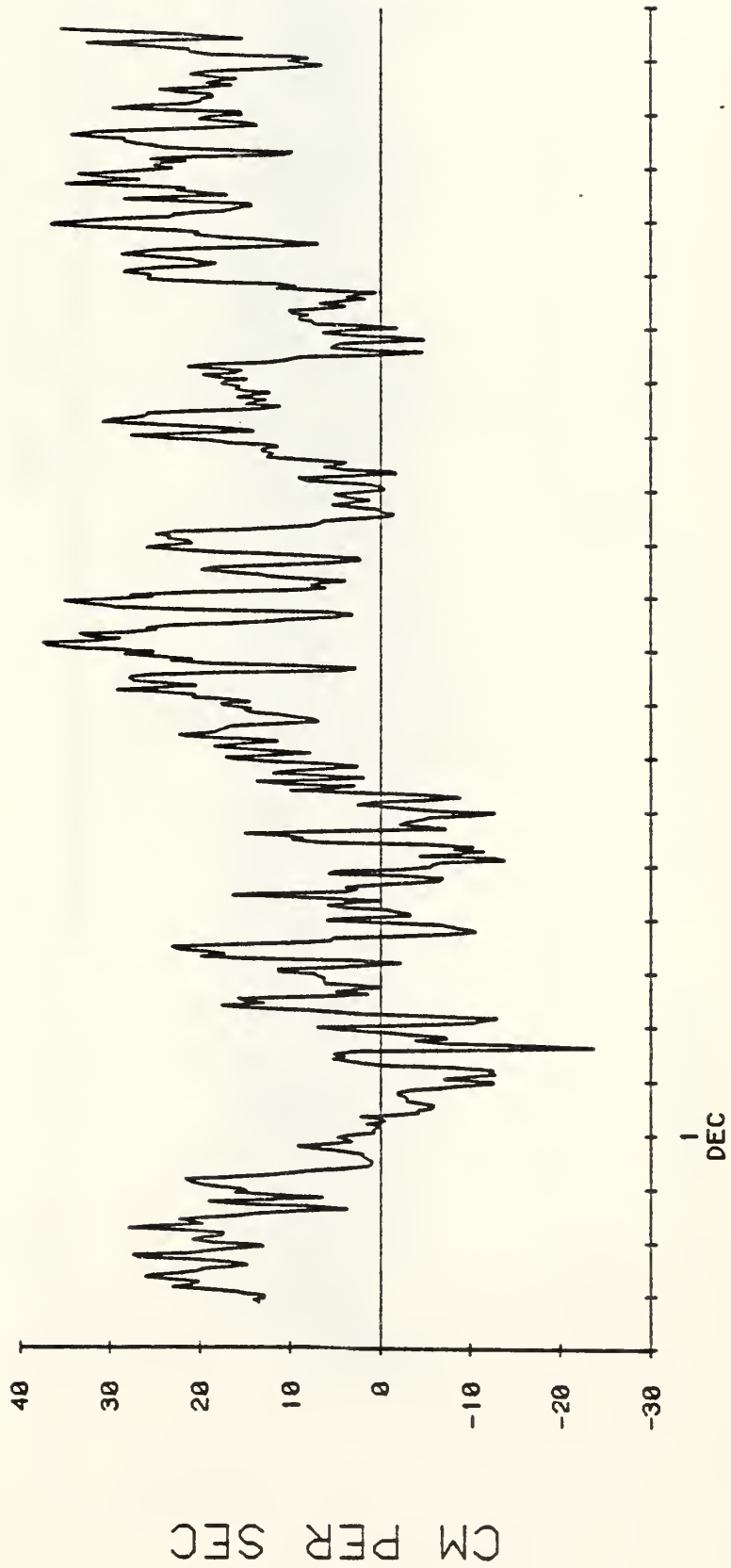
U COMPONENT. 100 M AT STN 2.



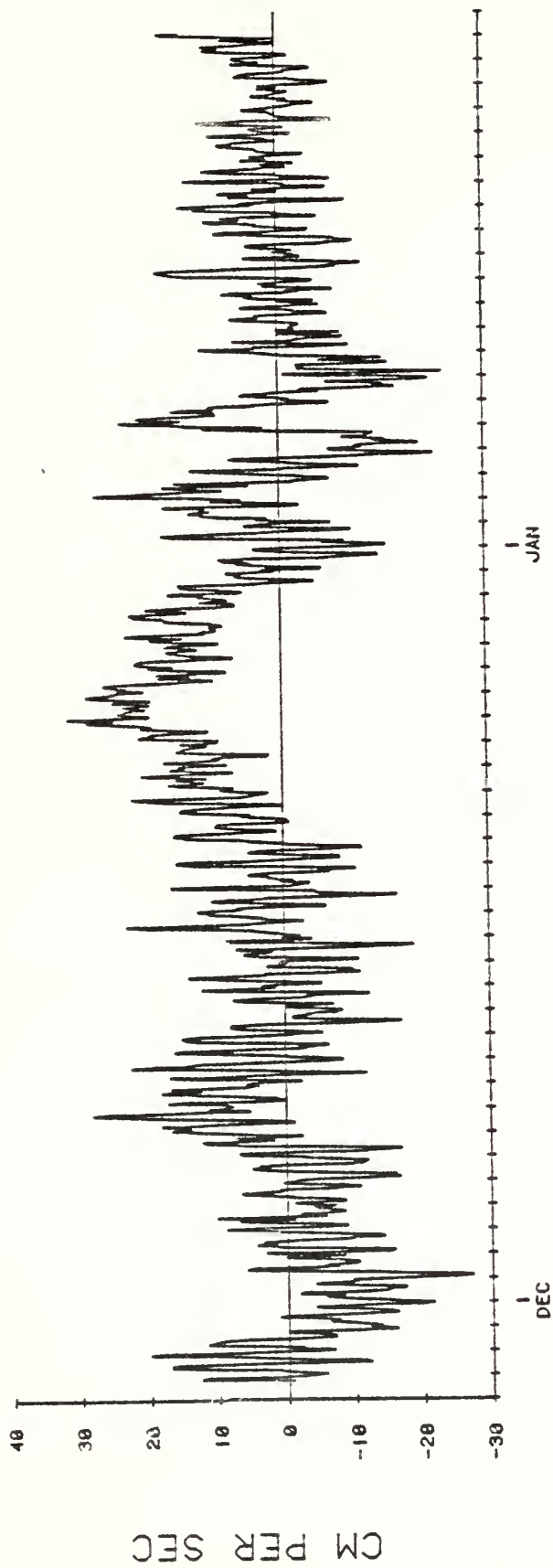
U COMPONENT. 175 M AT STN 2.



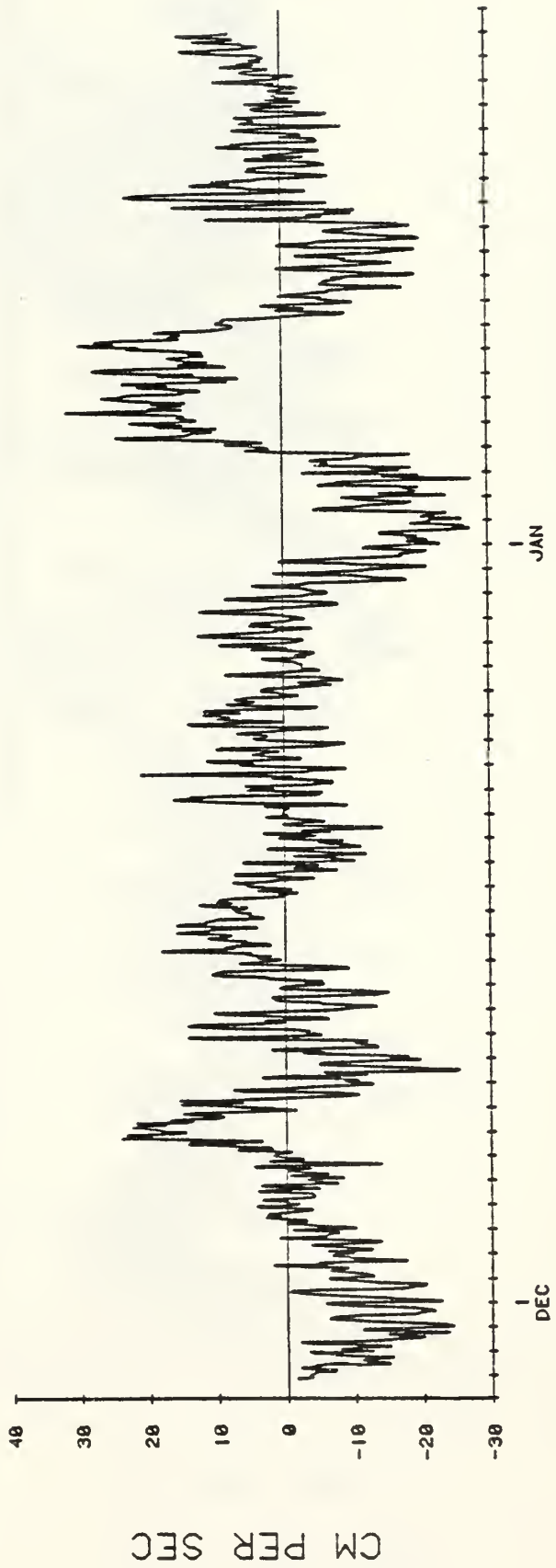
U COMPONENT . 300 M AT STN 2 .



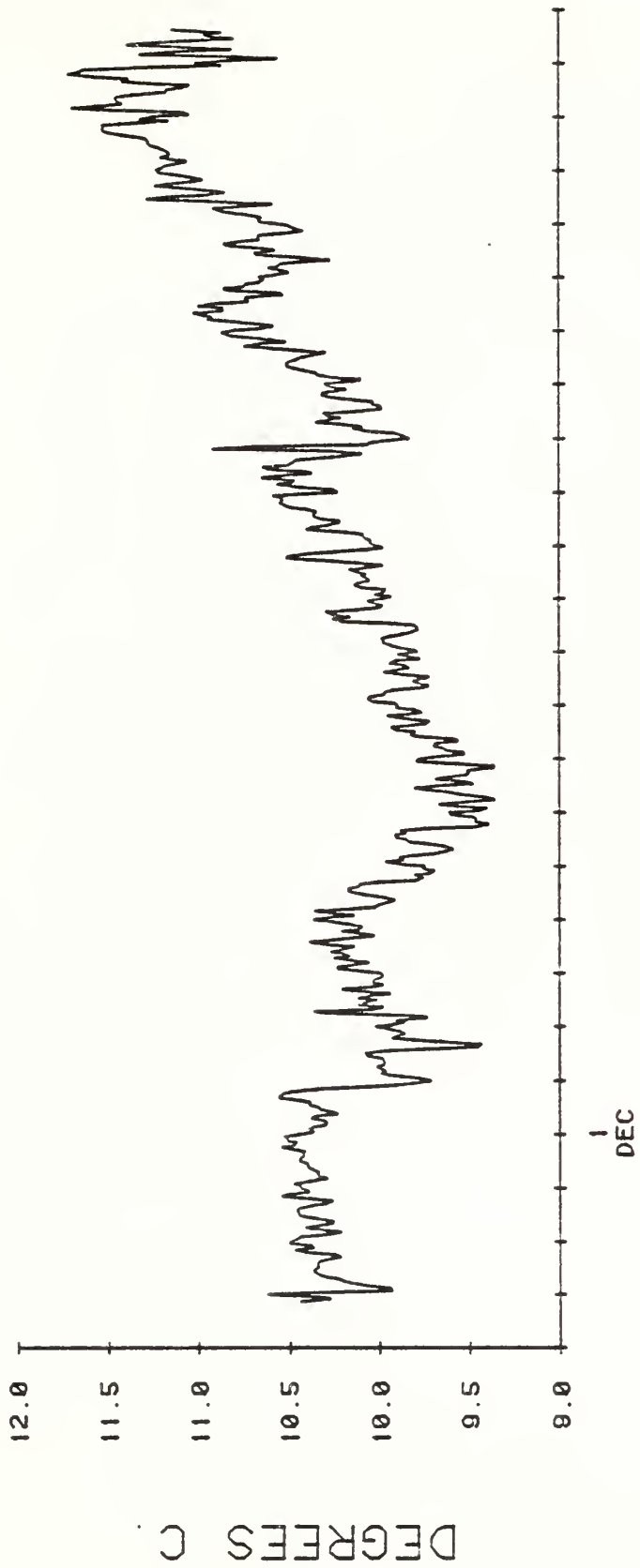
V COMPONENT. 100 M AT STN 2.



V COMPONENT. 175 M AT STN 2.

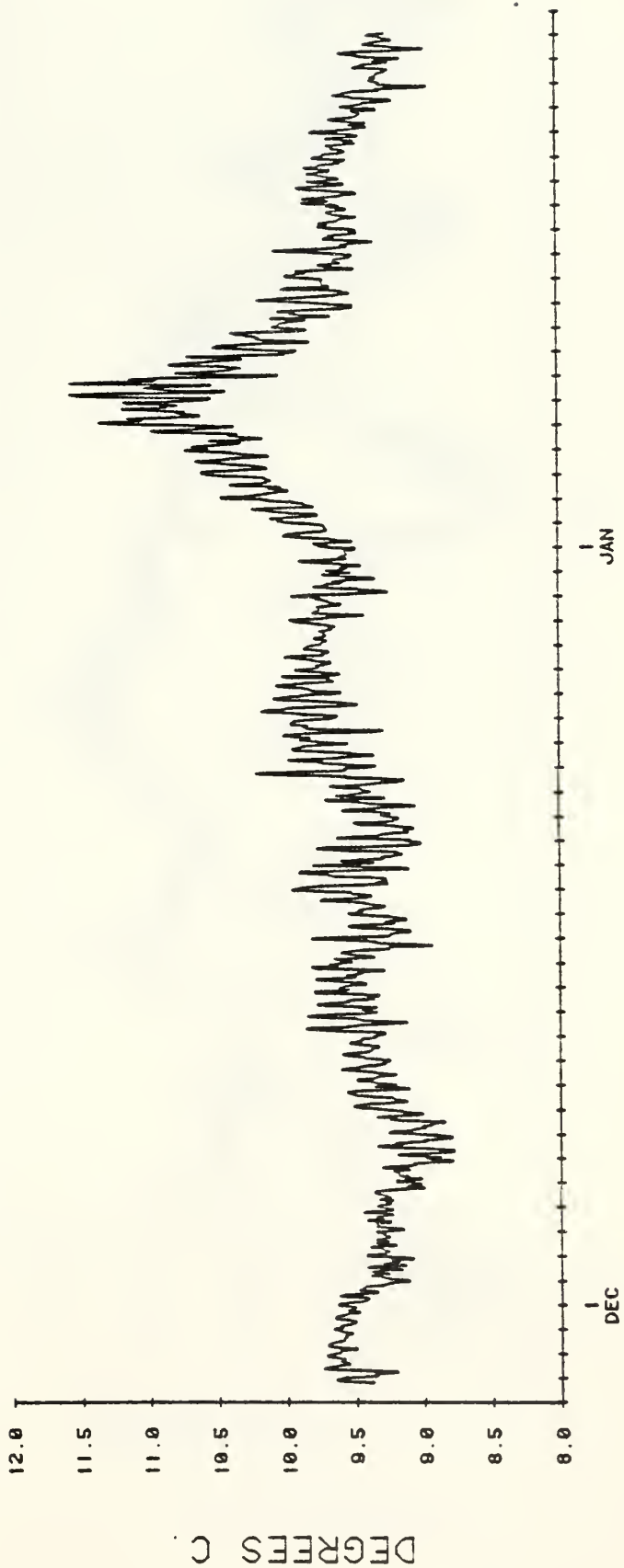


V COMPONENT. 300 M AT STN 2.

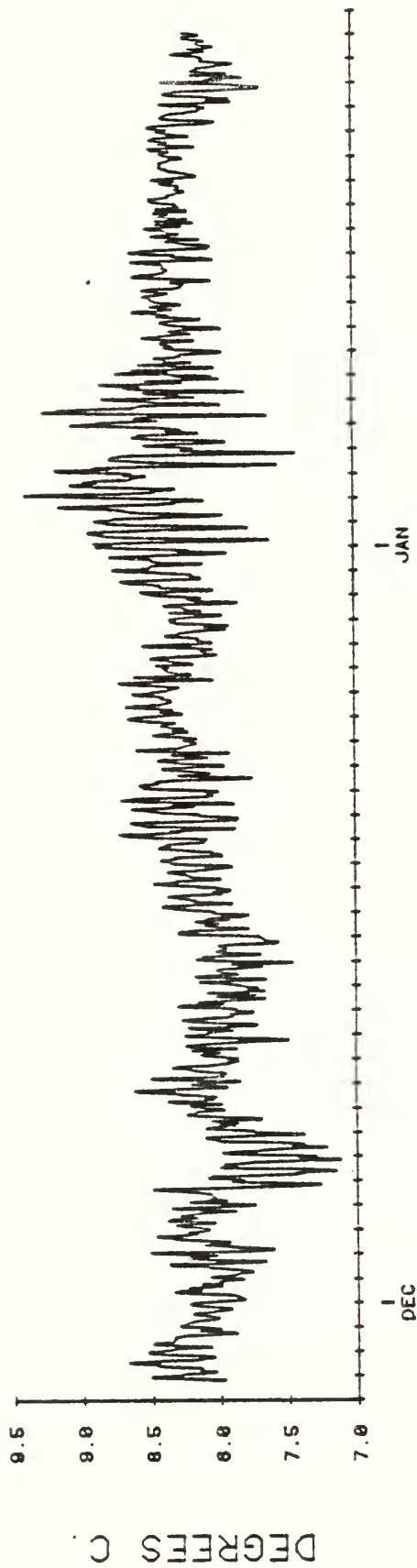


TEMPERATURE. 100 M AT STN 2.





TEMPERATURE. 175 M AT STN 2.



TEMPERATURE. 300 M AT STN 2.

STATION 5 - 35° 52.0'N, 121° 41.0'W  
 27 Nov 78 - 22 Jan 79

Record #6, Depth 140 m

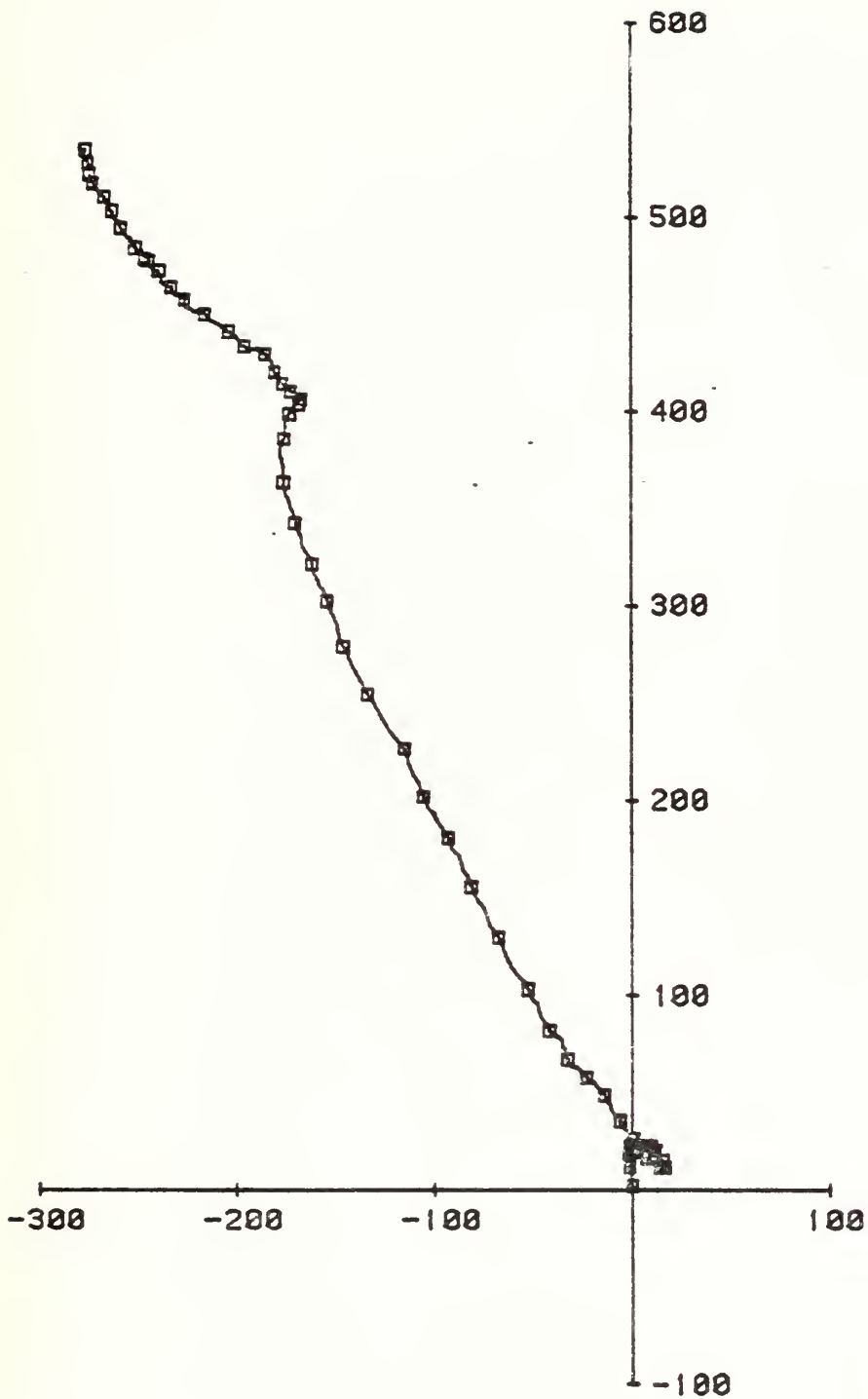
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	16.12	10.32	0.67	2.67	0.80	49.40	8015
U(cm/s)	-5.82	8.60	-0.10	2.80	-31.80	20.60	8015
V(cm/s)	11.12	11.61	0.41	2.53	-19.10	44.30	8015
T(°C)	9.64	0.49	1.19	4.02	8.68	11.75	8015

Record #7, Depth 215 m

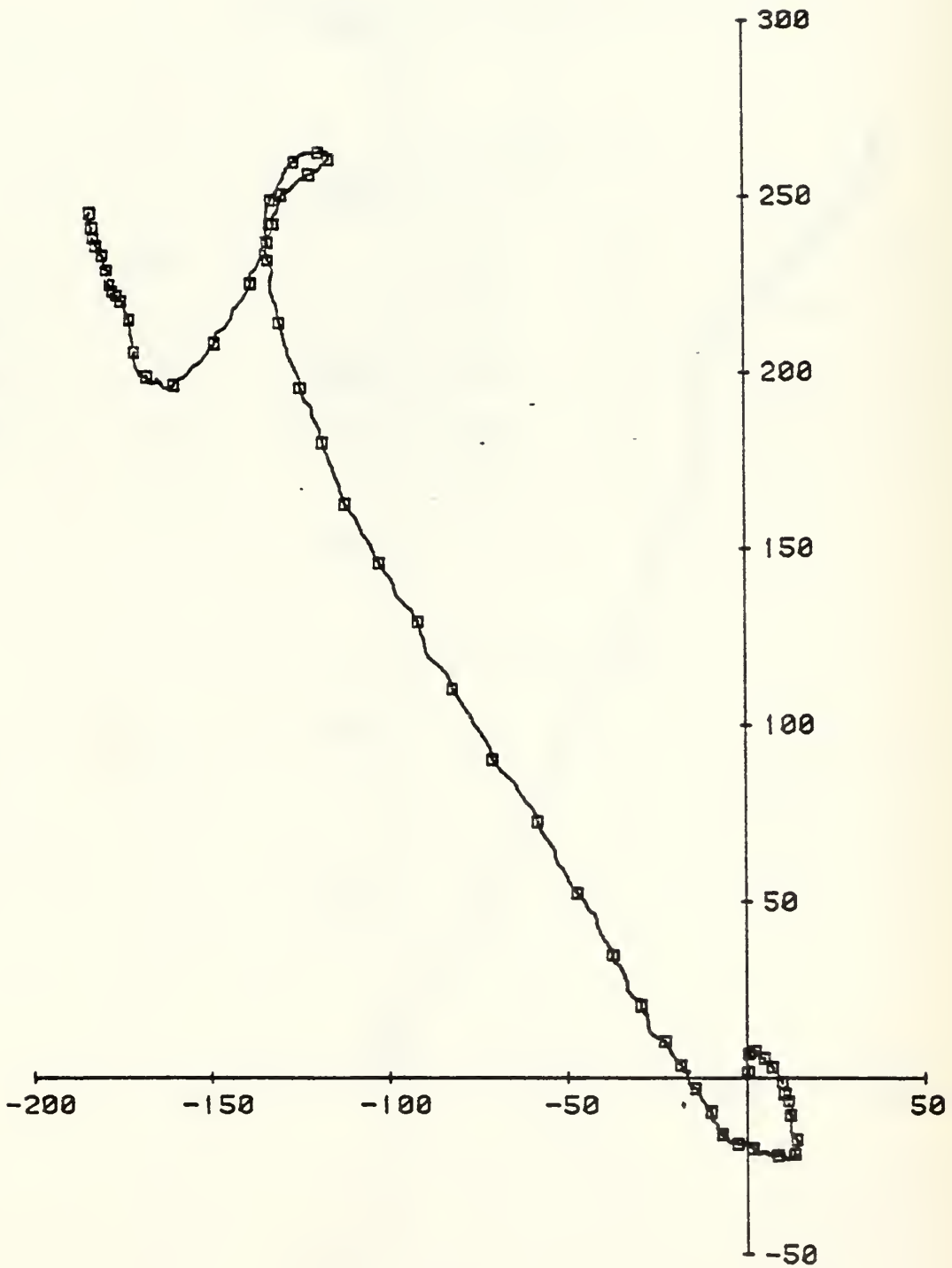
S(cm/s)	12.16	8.83	0.68	2.17	0.80	42.40	8015
U(cm/s)	-3.83	7.16	-0.38	3.28	-30.10	17.00	8015
V(cm/s)	5.12	11.56	0.00	2.95	-36.40	38.50	8015
T(°C)	8.95	0.31	0.12	2.98	8.01	10.01	8015

Record #8, Depth 340 m

T(°C)	7.79	0.42	0.57	3.12	6.70	9.09	8016
P(decibars)	348.10	2.53	2.32	10.84	345.90	369.30	8016



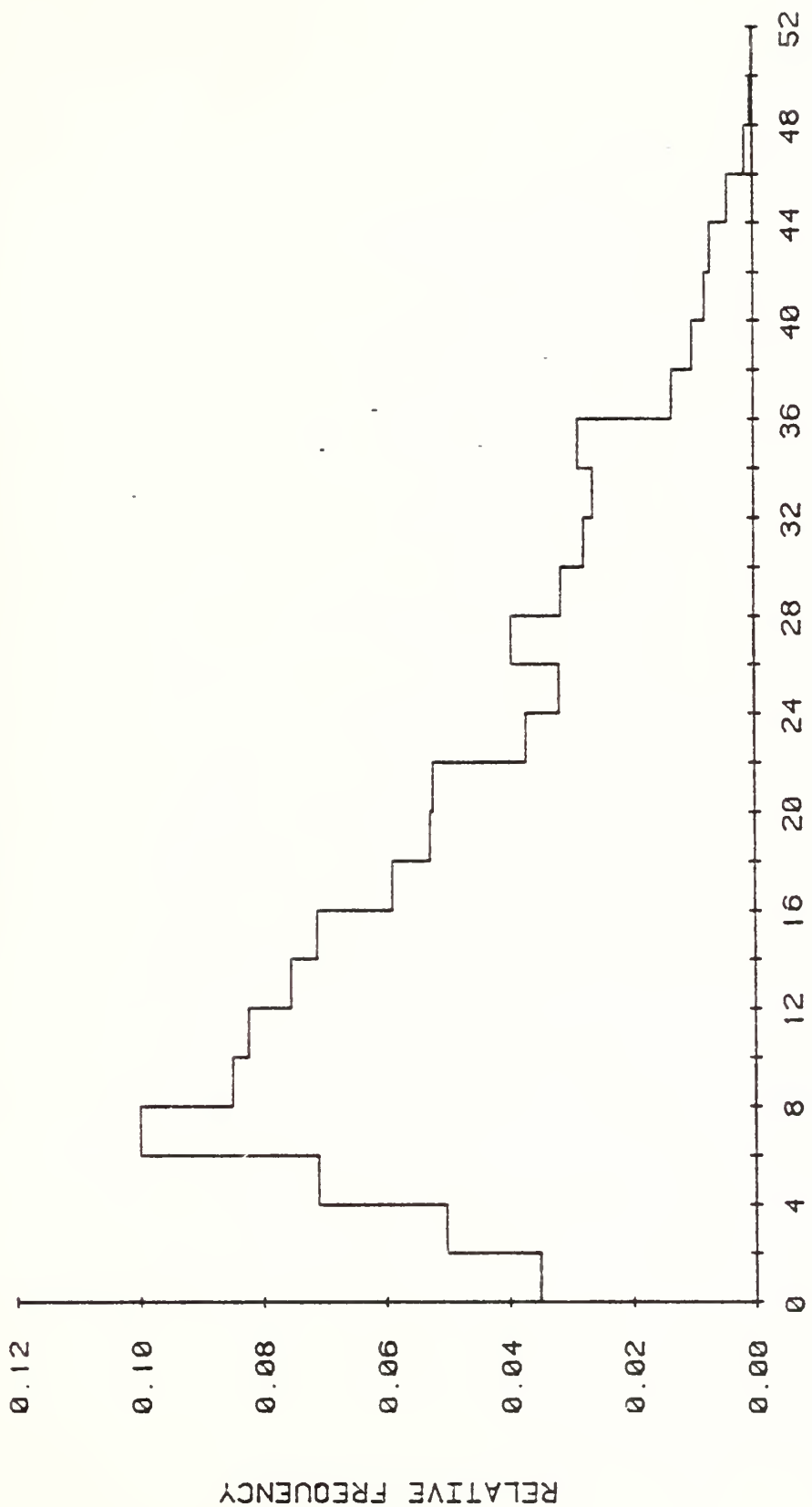
140 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1758/1.



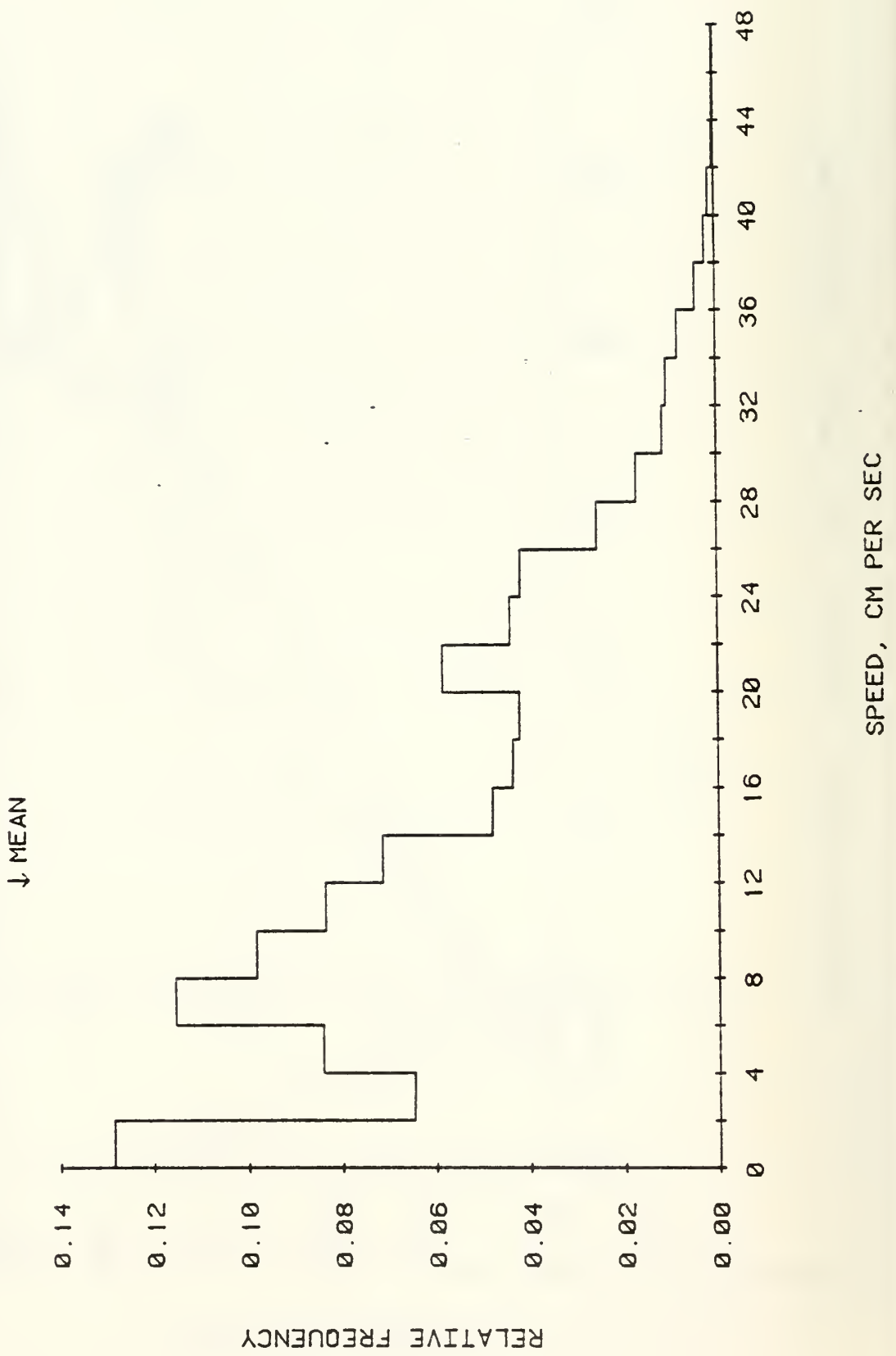
215 METERS AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1625/1.

140 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1758/1.

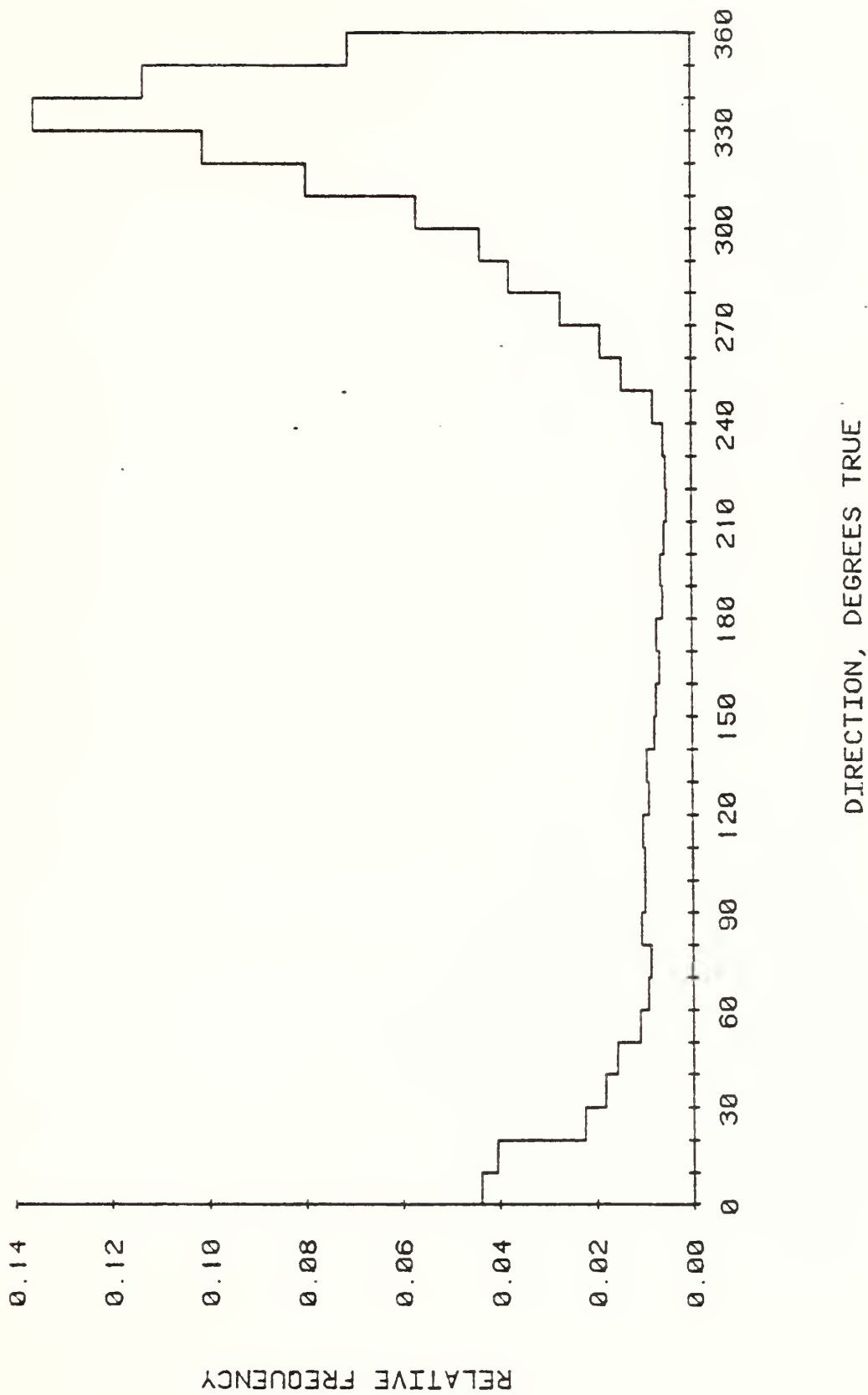
↓ MEAN



215 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1625/1.

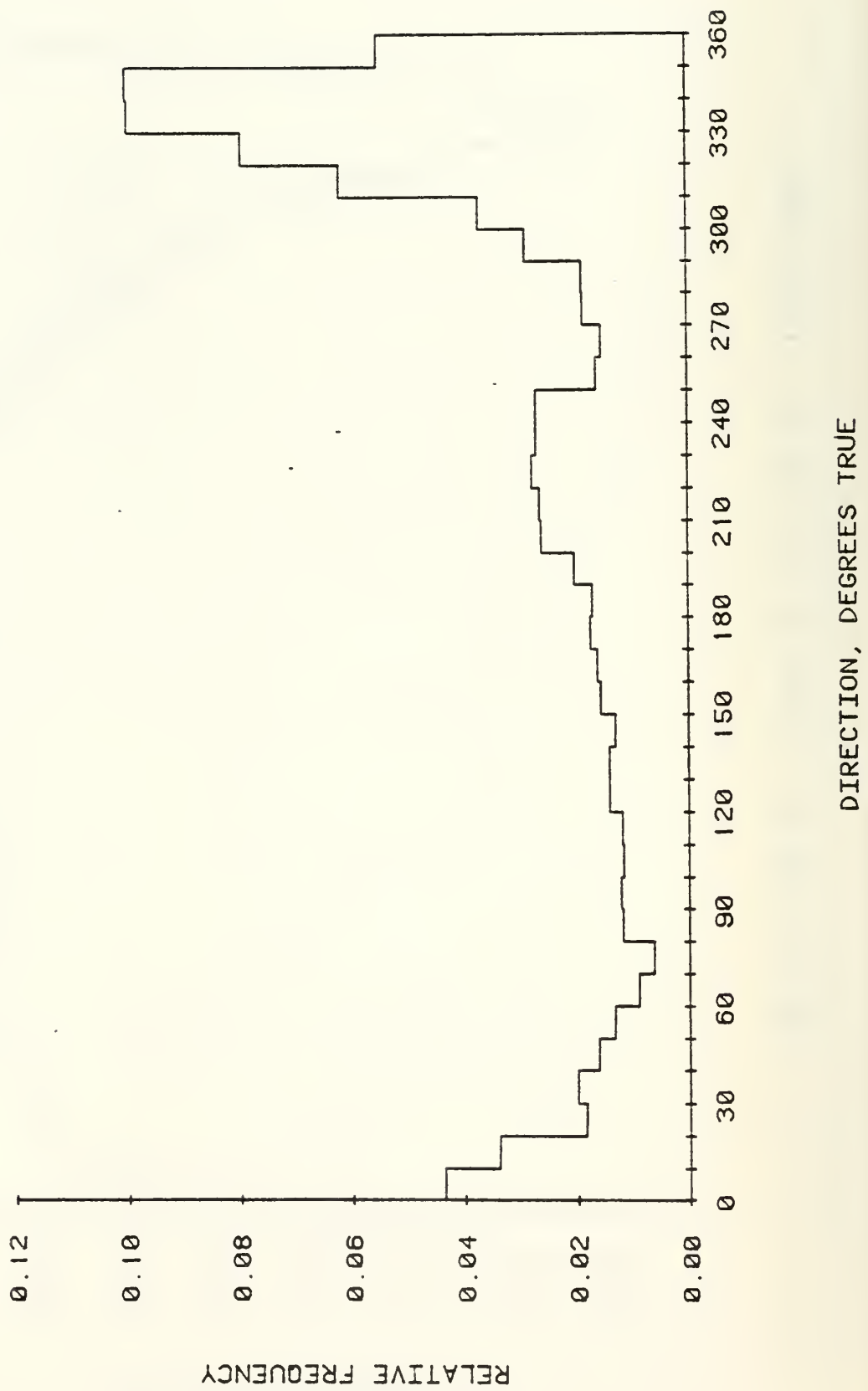


140 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1758/1.

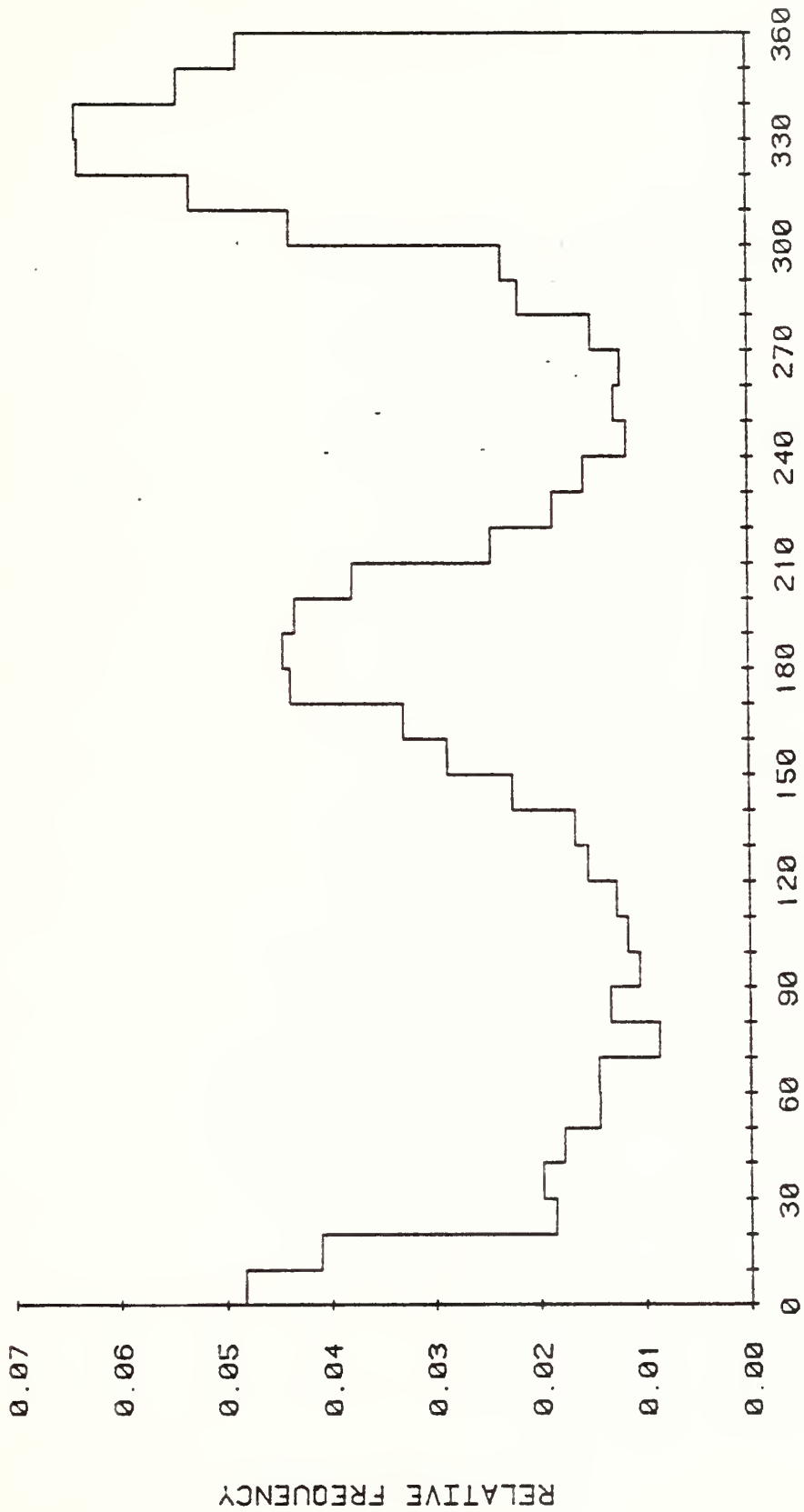




215 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1625/1.

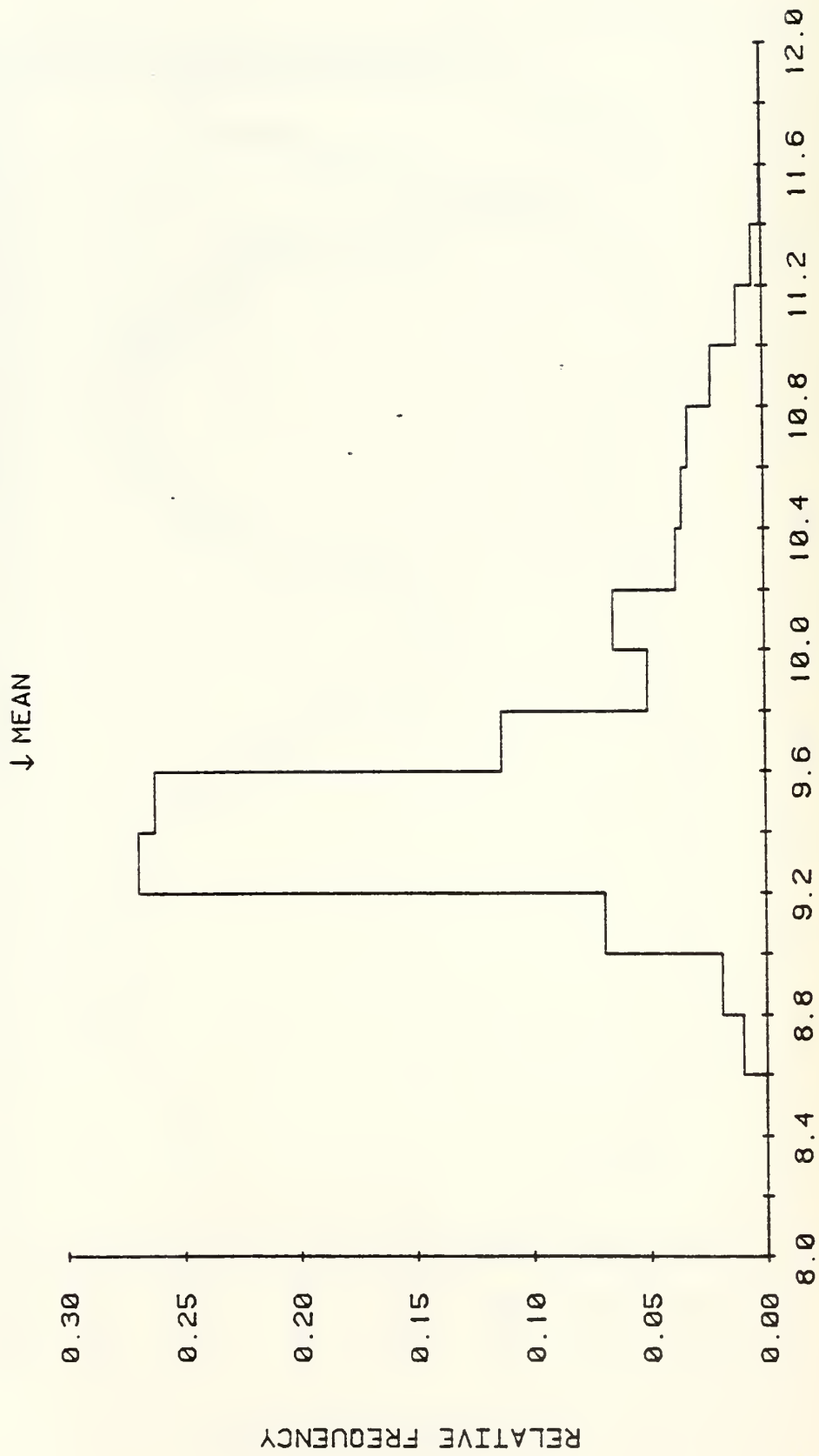


340 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1319/1.



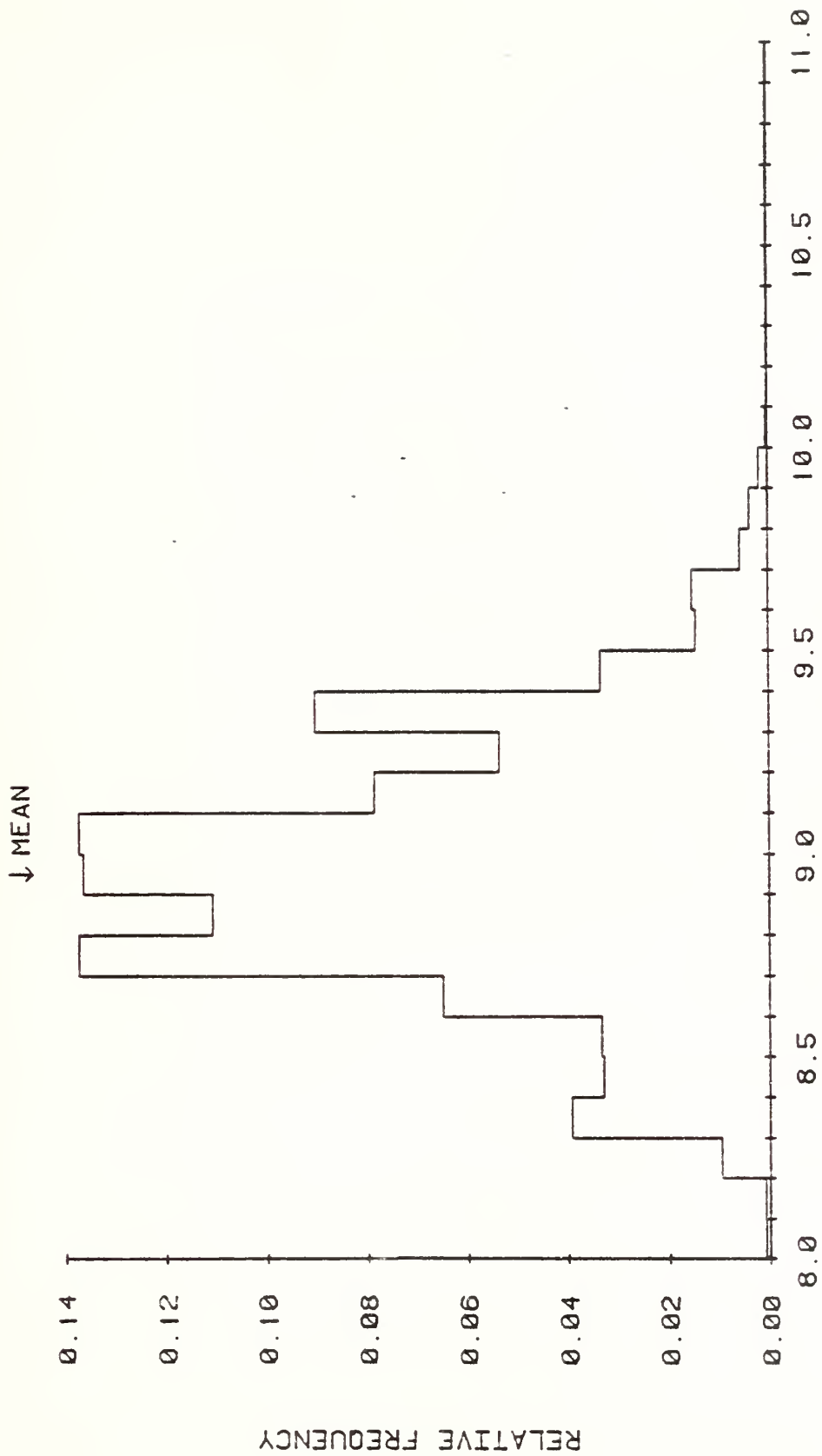
DIRECTION, DEGREES TRUE

140 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1758/1.



TEMPERATURE, DEGREES C.

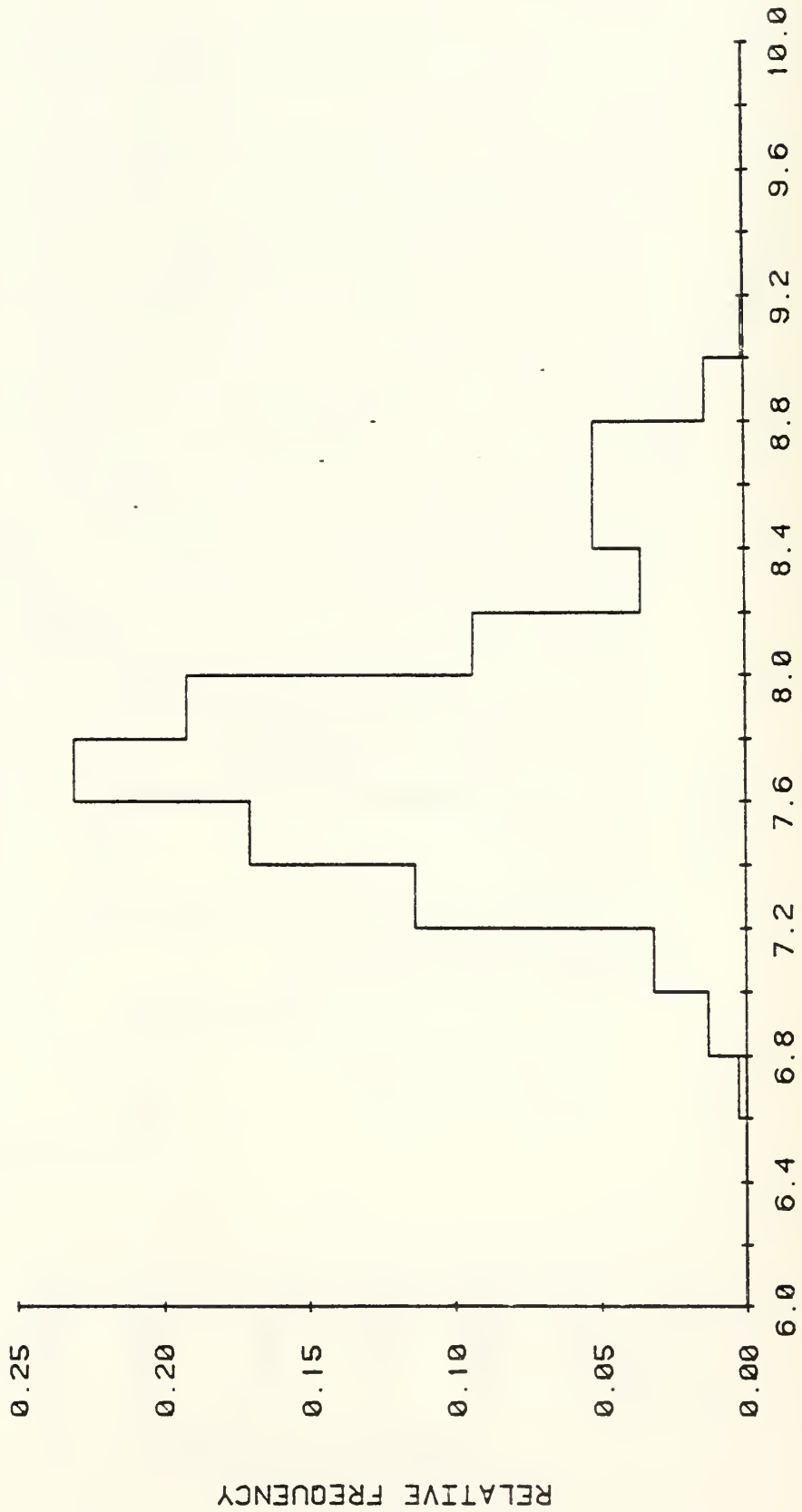
215 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1625/1.



TEMPERATURE, DEGREES C.

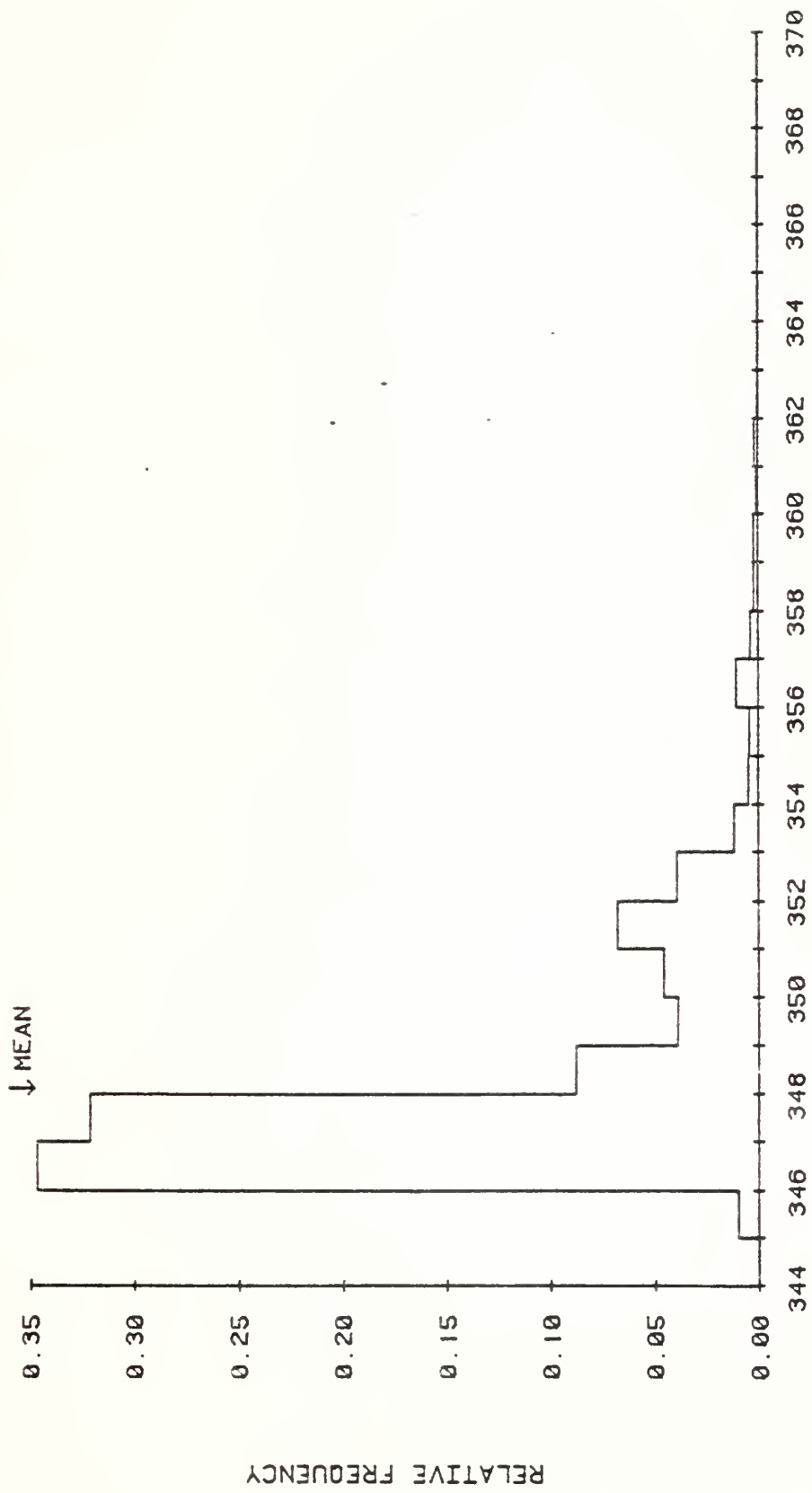
340 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1319/1.

↓ MEAN

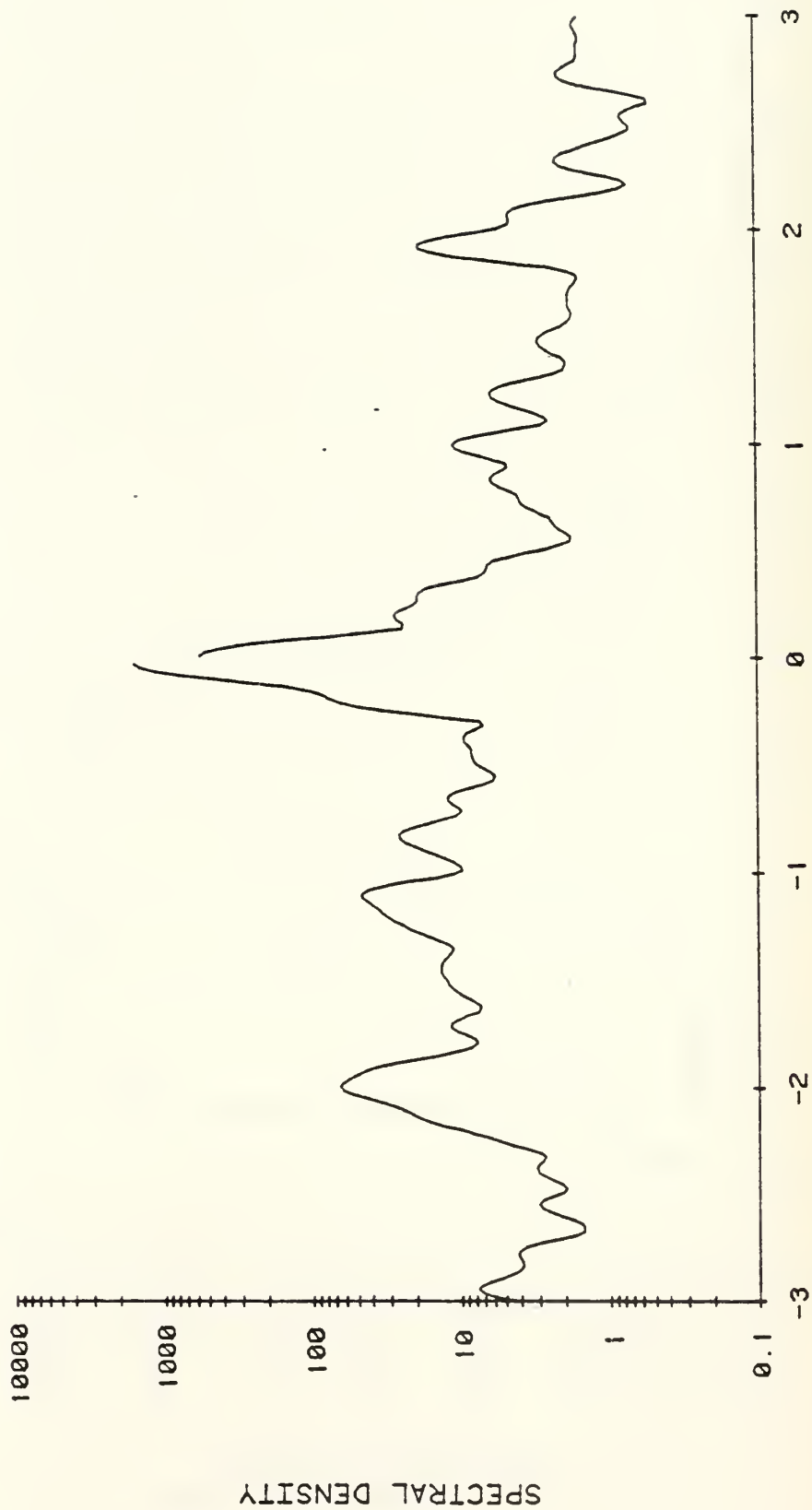


TEMPERATURE, DEGREES C.

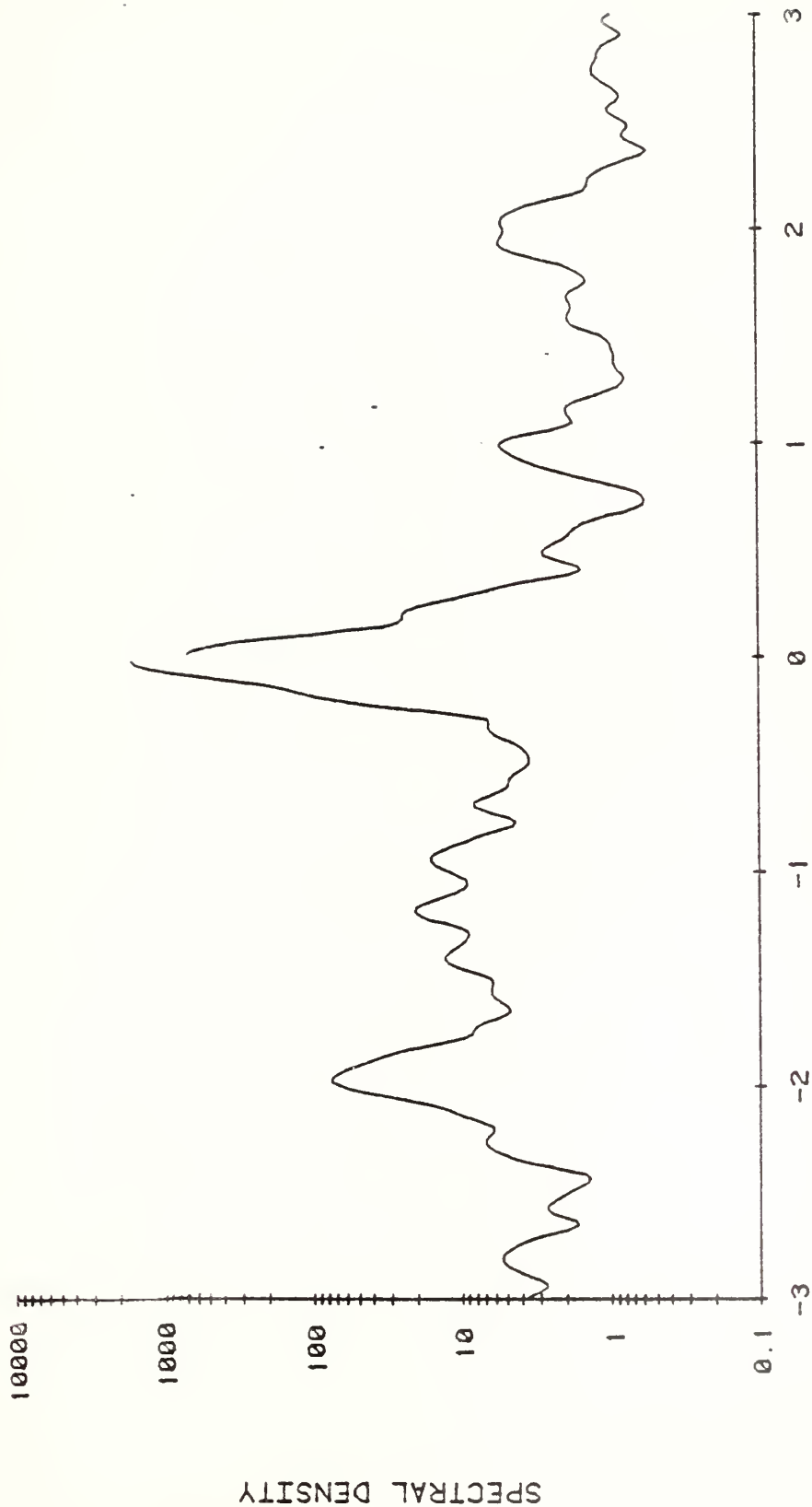
340 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1319/1.



140 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1758/1.

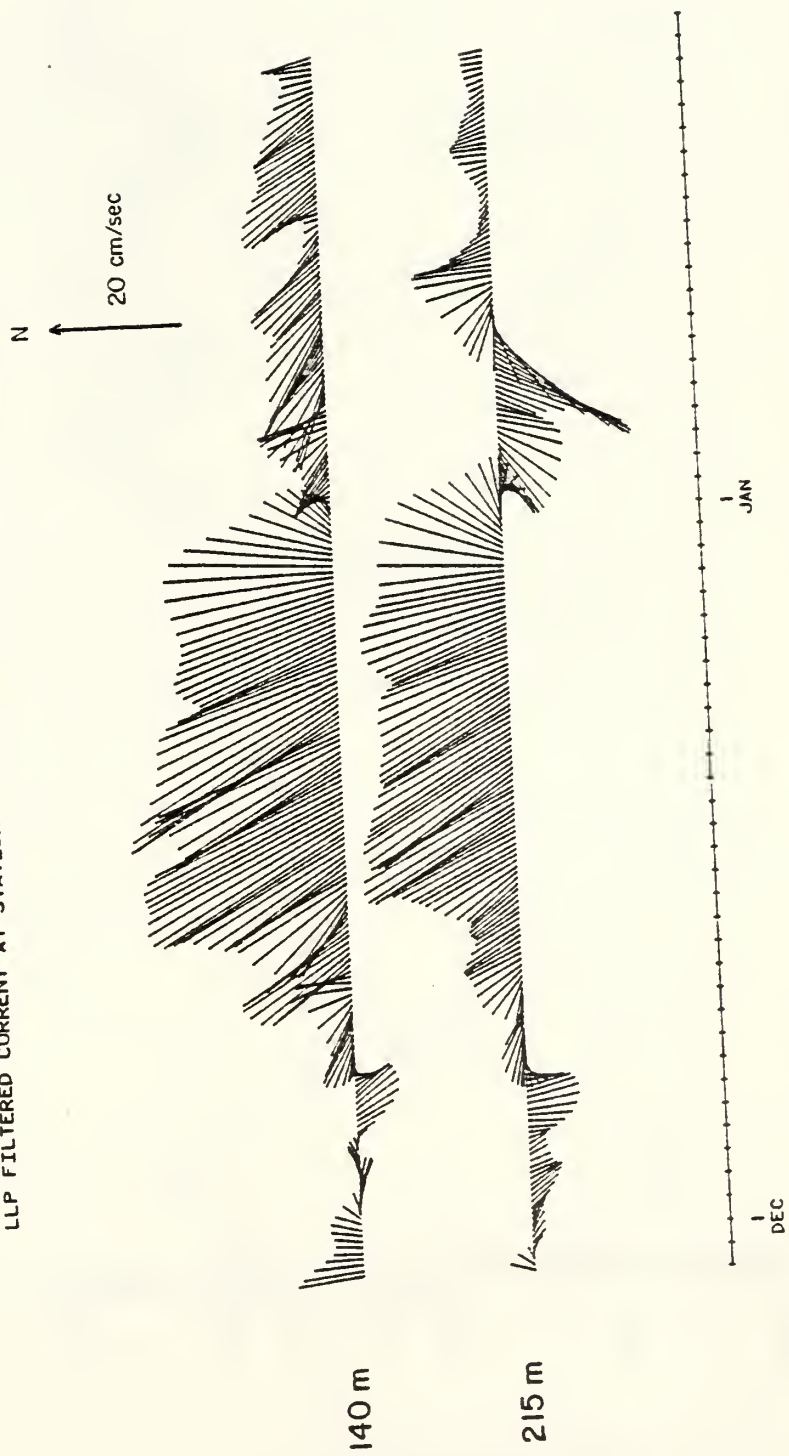


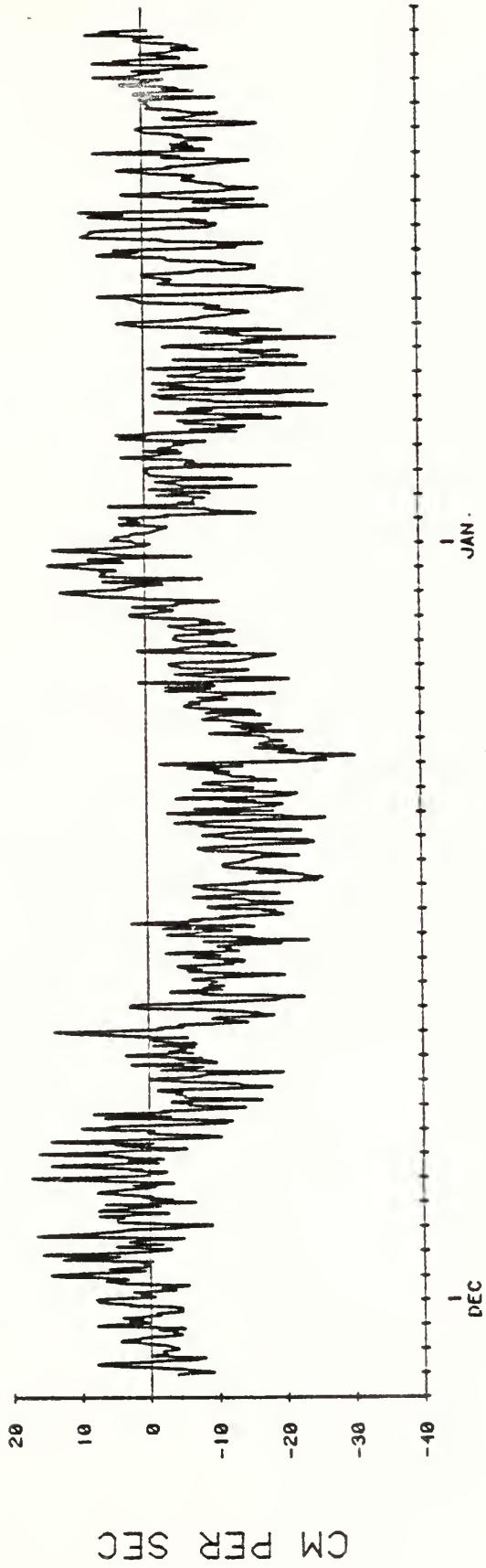
215 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1625/1.



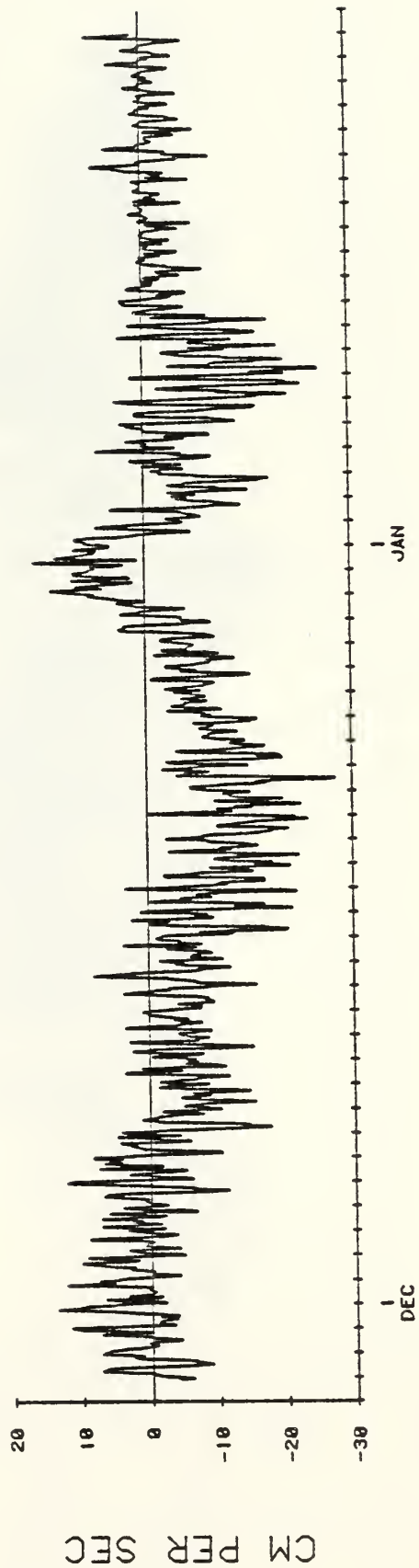


LLP FILTERED CURRENT AT STATION 5. NOVEMBER 1978 - JANUARY 1979.

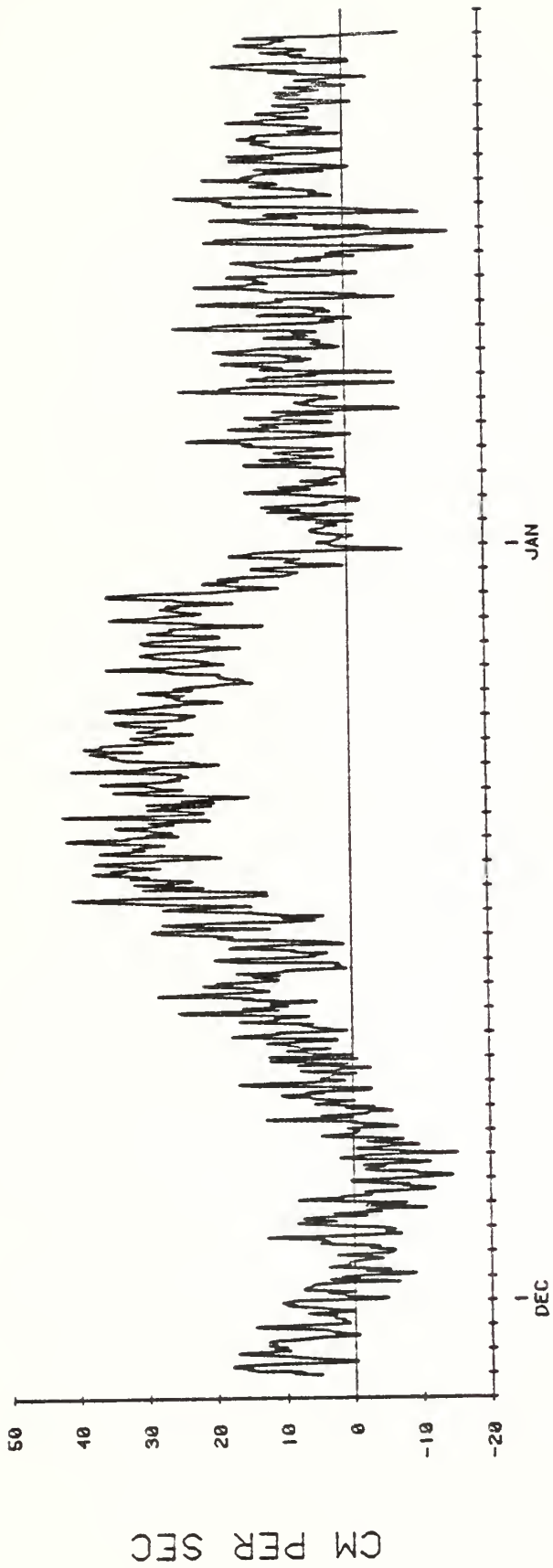




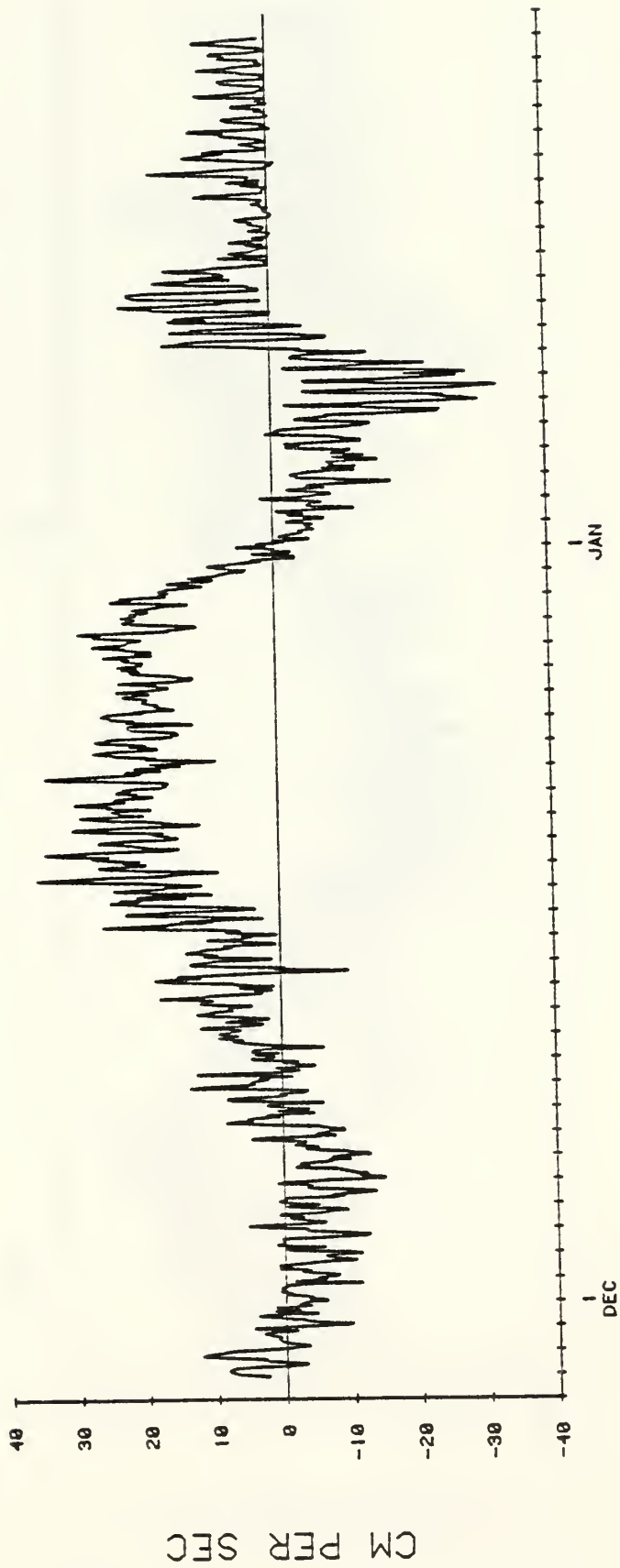
U COMPONENT. 140 M AT STN 5.



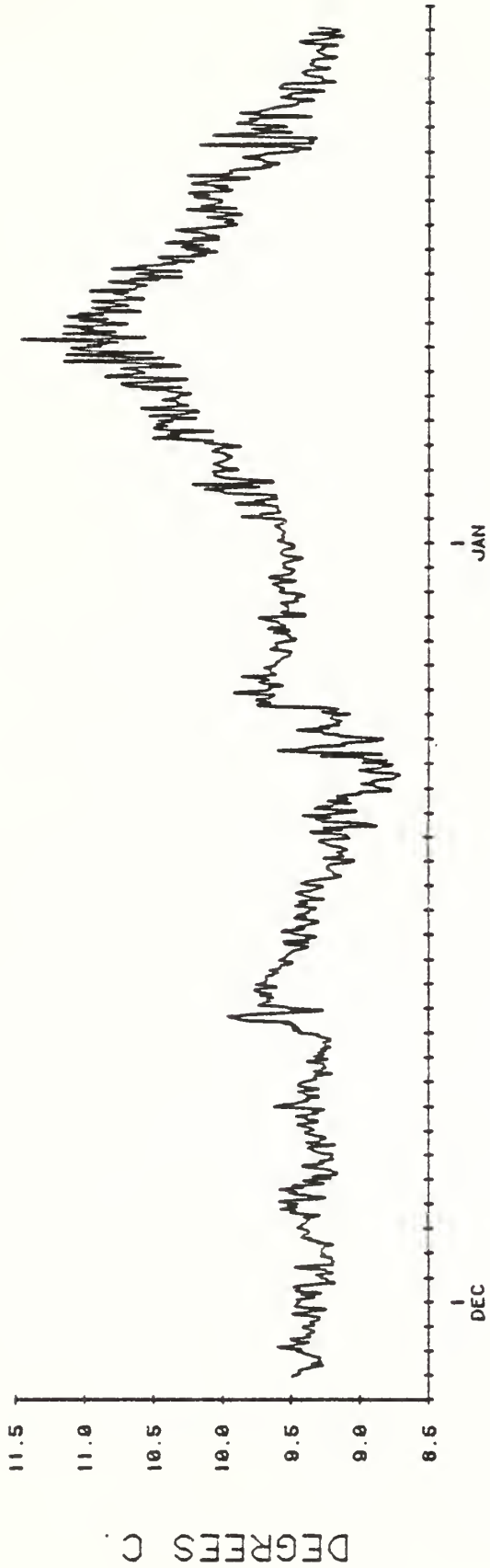
U COMPONENT. 215 M AT STN 5.



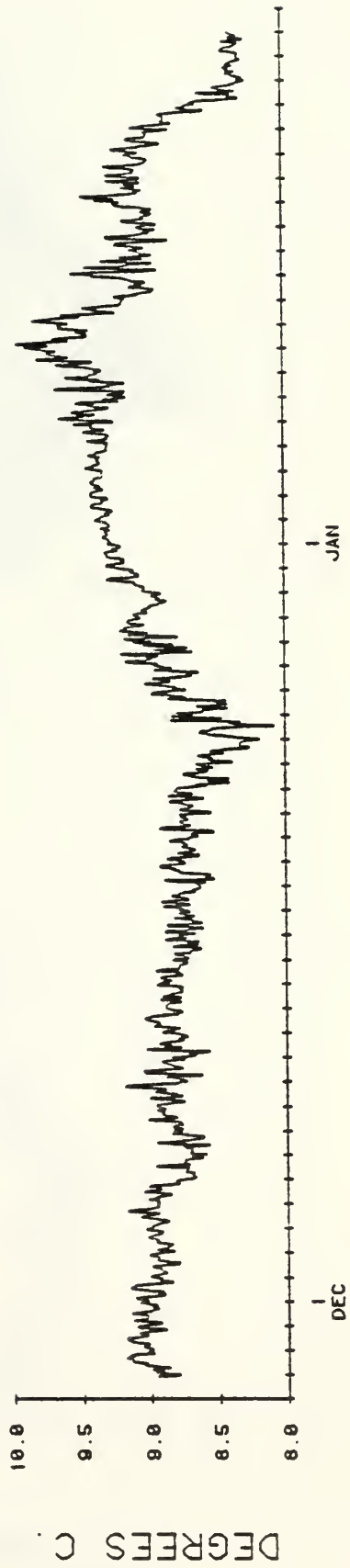
V COMPONENT. 140 M AT STN 5.



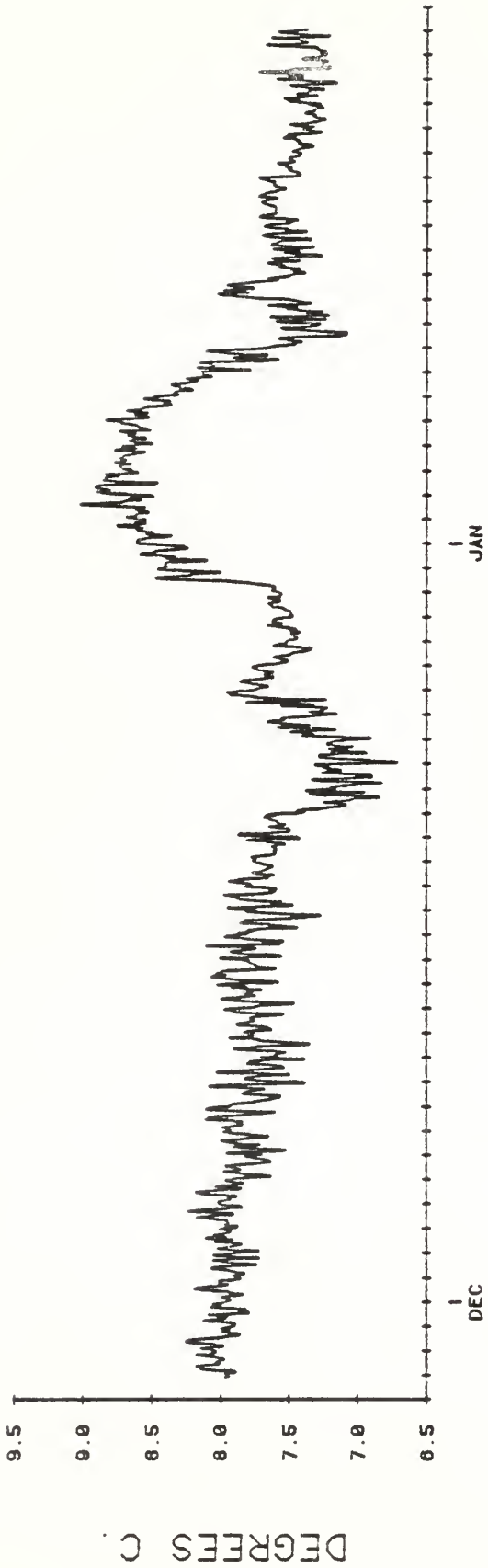
V COMPONENT. 215 M A STN 5.



TEMPERATURE. 140 M AT STN 5.

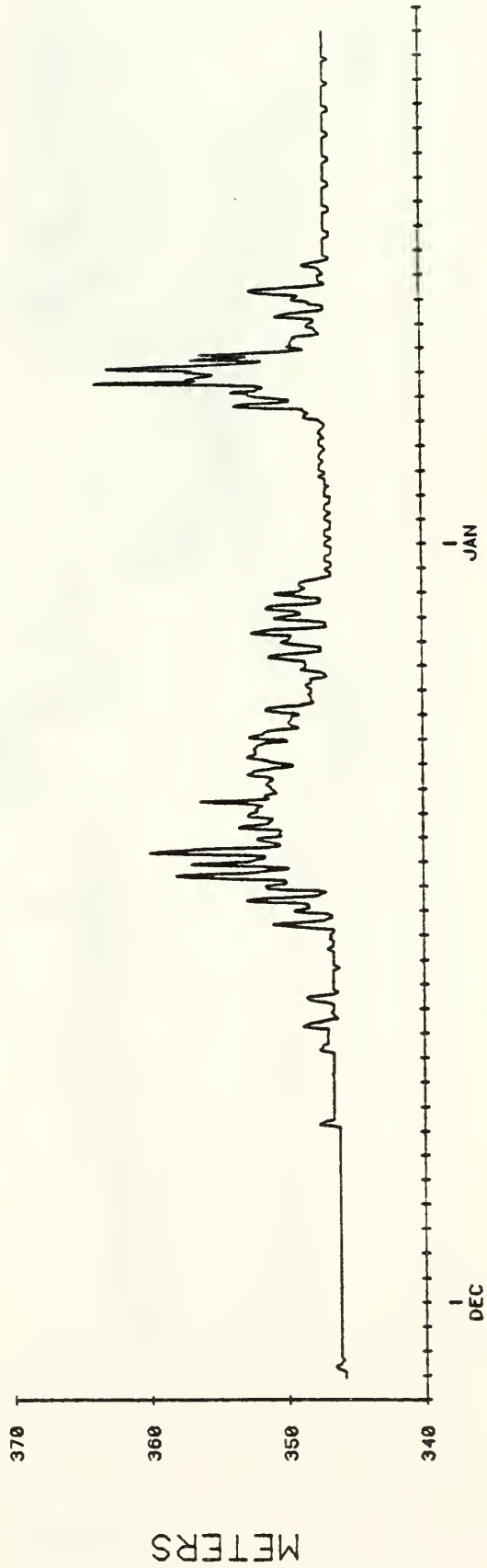


TEMPERATURE. 215 M AT STN 5.



TEMPERATURE. 340 M AT STN 5.





DEPTH (FROM PRESSURE) OF RCM 1319 AT STN 5.

STATION 7 - 35° 51.5'N, 121° 47.2'W  
 9 JAN 79 - 2 MAR 79

Record #9, Depth 152 m

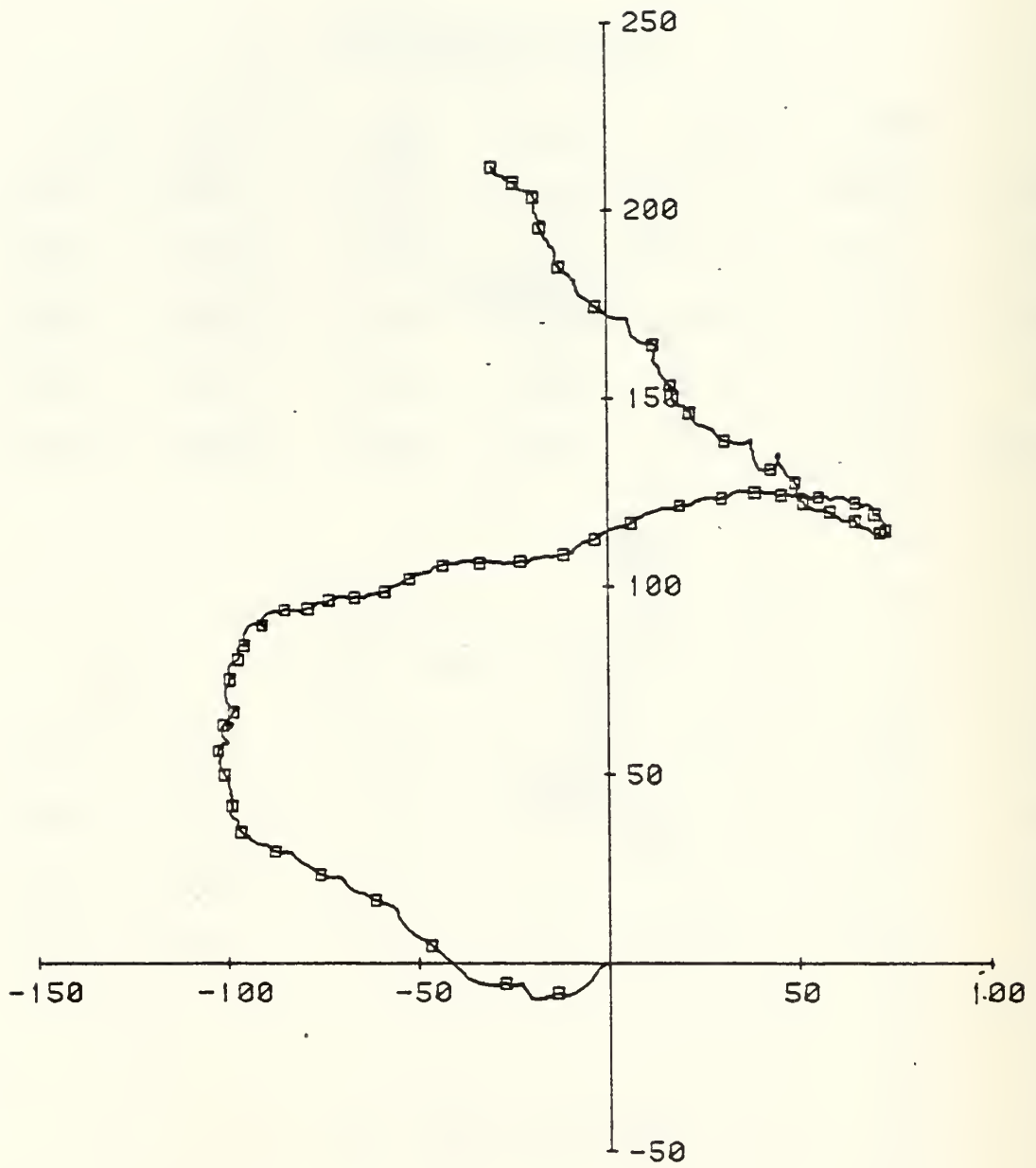
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	13.26	8.17	0.73	3.79	0.80	52.20	7434
U(cm/s)	-0.68	12.19	-0.37	2.87	-47.50	28.90	7434
V(cm/s)	4.75	8.43	0.10	4.50	-35.40	34.80	7434
T(°C)	9.51	0.36	0.52	3.32	8.65	10.83	7434
Z(meters)	133.91	6.73	6.61	53.36	131.10	213.60	7434

Record #10, Depth 223 m

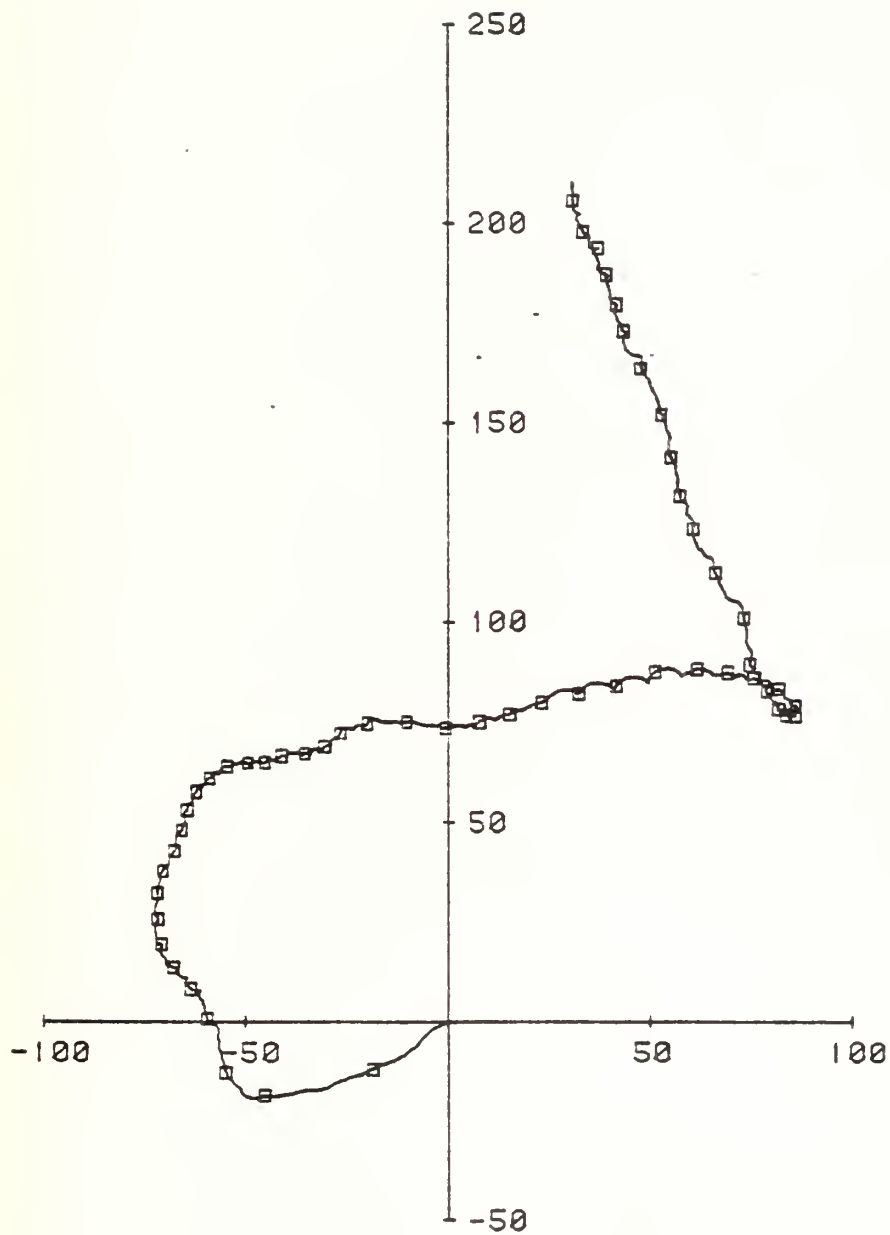
S(cm/s)	11.14	7.24	2.02	10.23	0.80	54.70	7814
U(cm/s)	0.64	9.79	-1.29	7.16	-51.70	28.60	7814
V(cm/s)	4.49	7.75	-0.53	5.08	-36.80	29.10	7814
T(°C)	8.51	0.31	0.92	4.03	7.83	9.82	7814

Record #11, Depth 348 m

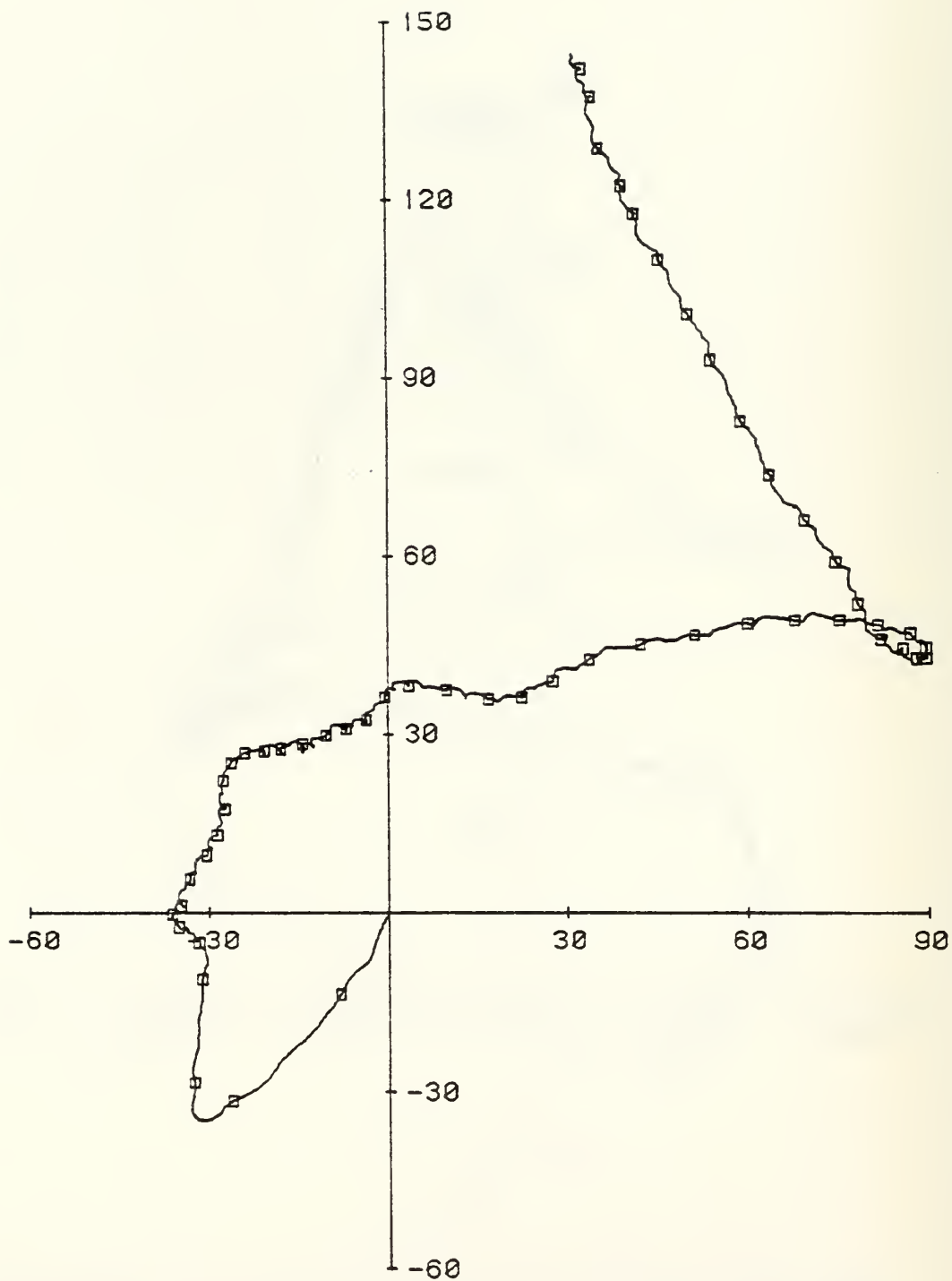
S(cm/s)	9.62	6.01	1.50	6.40	0.80	39.00	7663
U(cm/s)	0.68	7.62	-0.49	3.80	-31.80	23.00	7663
V(cm/s)	3.14	7.76	-0.87	6.34	-34.50	30.80	7663
T(°C)	7.39	0.22	0.44	2.83	6.64	8.15	7663



152 M AT STN 7. 9 JAN 79 - 2 MAR 79. TAPE 762/11.

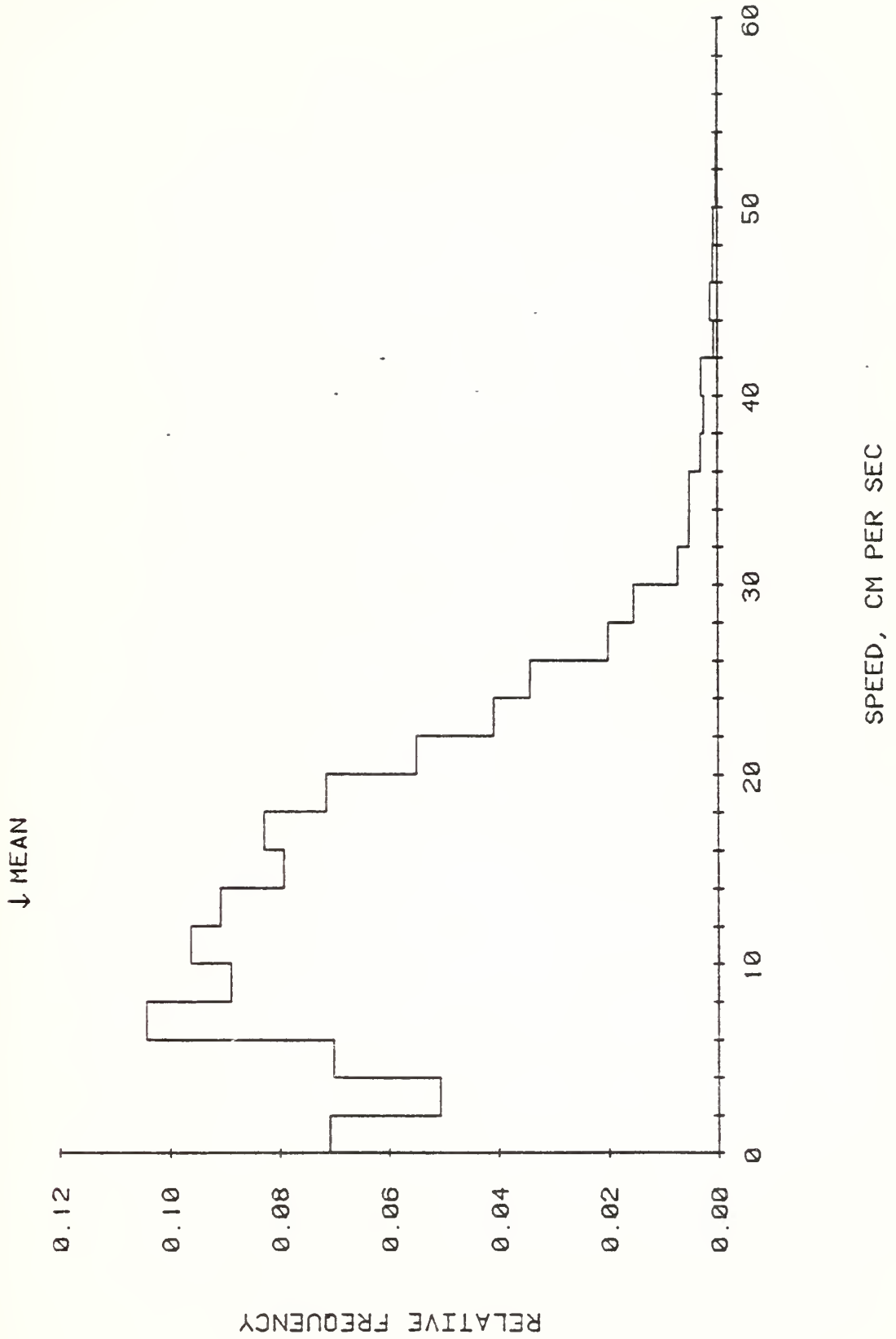


223 M AT STN 7. 9 JAN 79 - 4 MAR 79. TAPE 842/8.

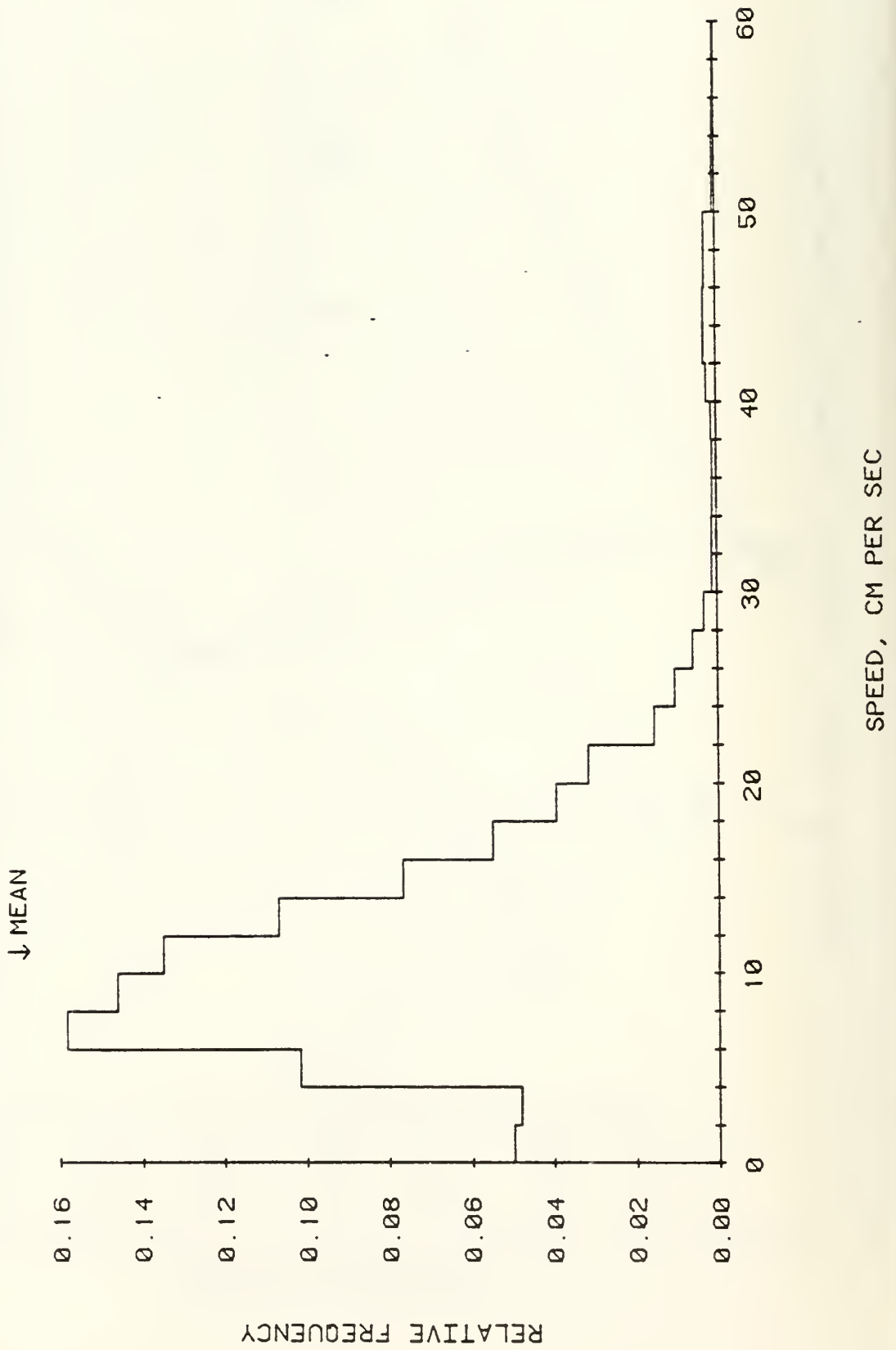


348 M AT STN 7. 9 JAN 79 - 3 MAR 79. TAPE 1495/3.

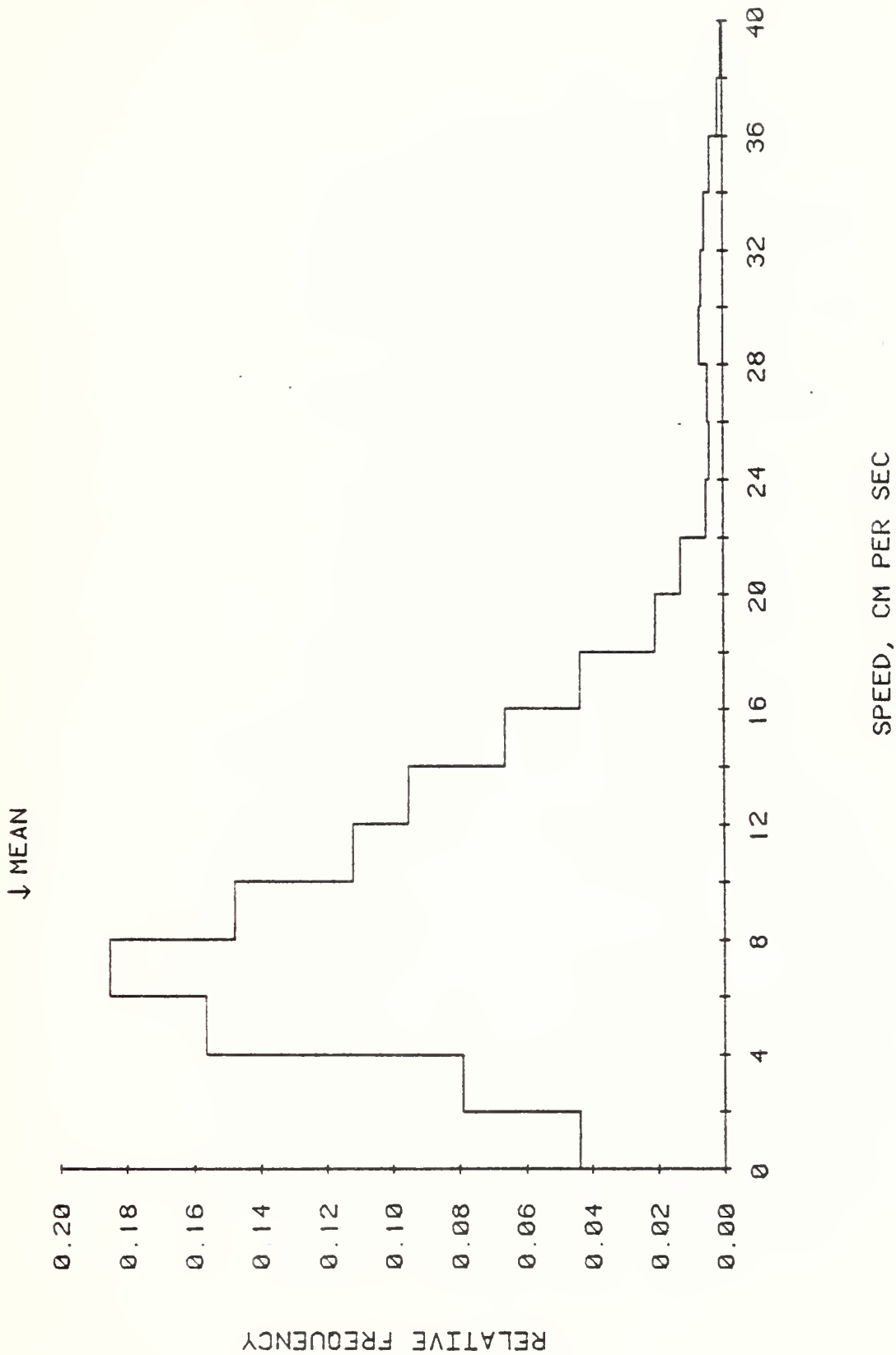
152 M AT STN 7. 9 JAN 79 - 2 MAR 79. TAPE 762/11.



223 M AT STN 7. 9 JAN 79 - 4 MAR 79. TAPE 842/8.

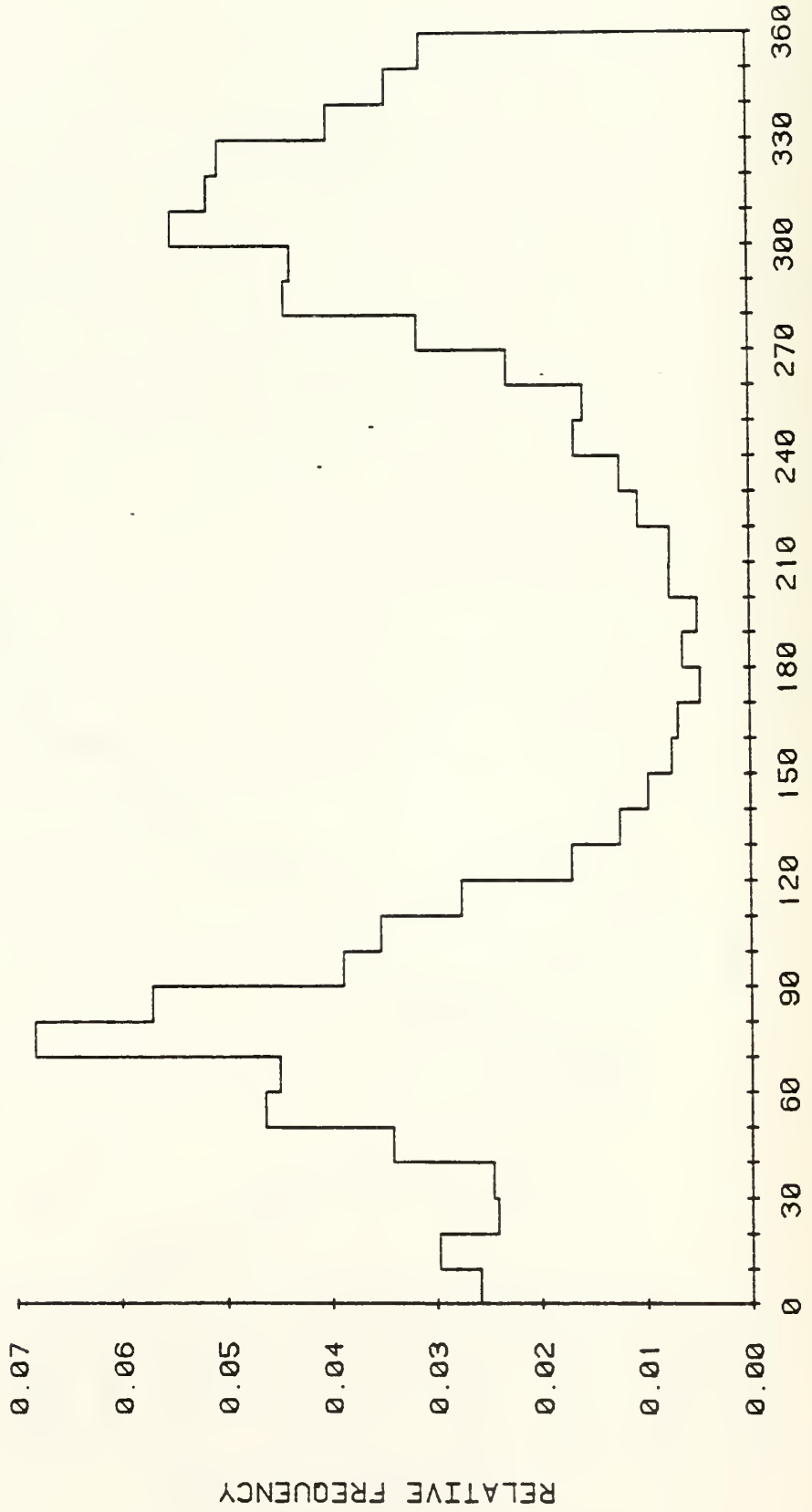


348 M AT STN 7. 9 JAN 79 - 3 MAR 79. TAPE 1495/3.



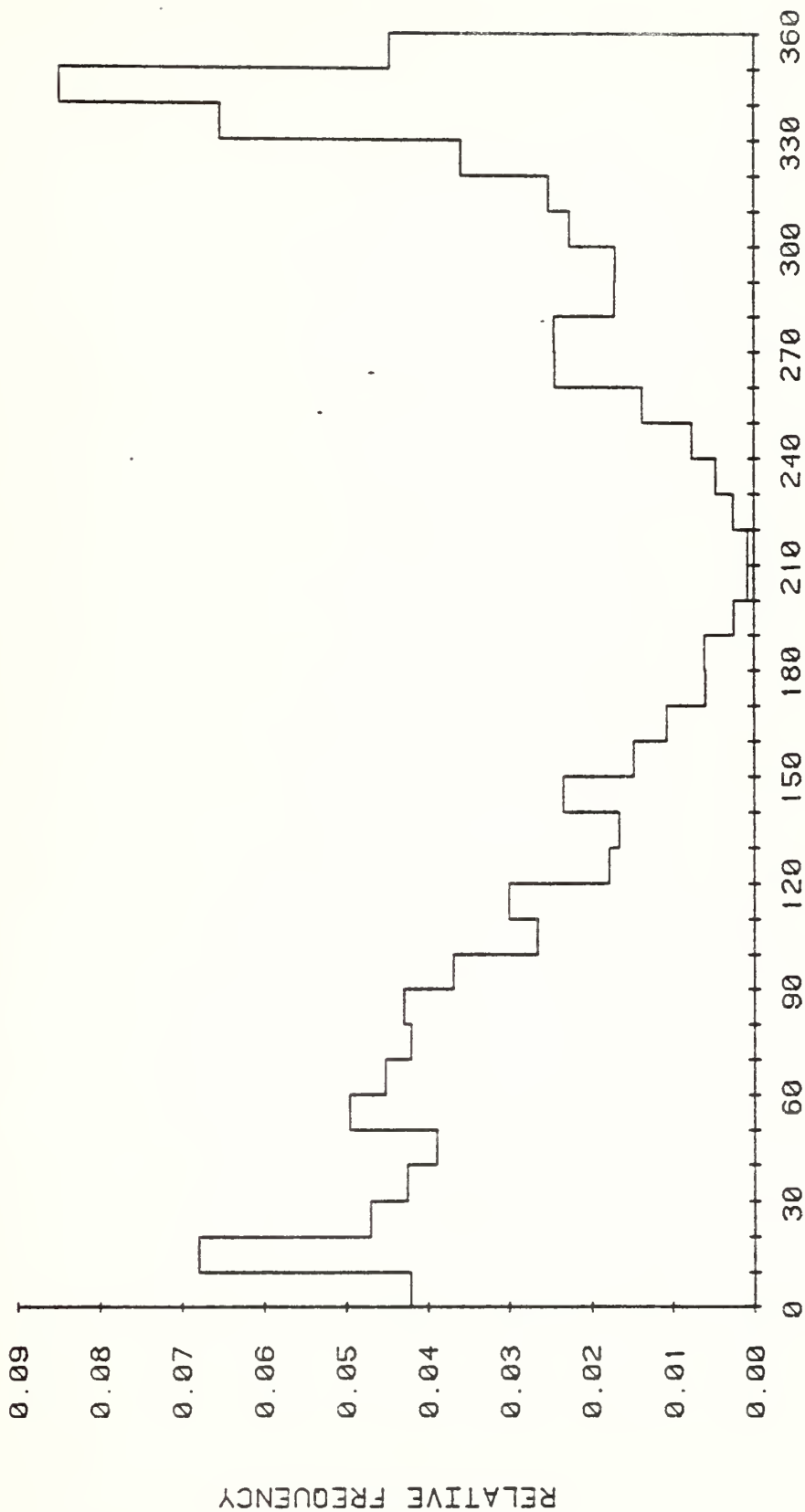


152 M AT STN 7. 9 JAN 79 - 2 MAR 79. TAPE 762/11.



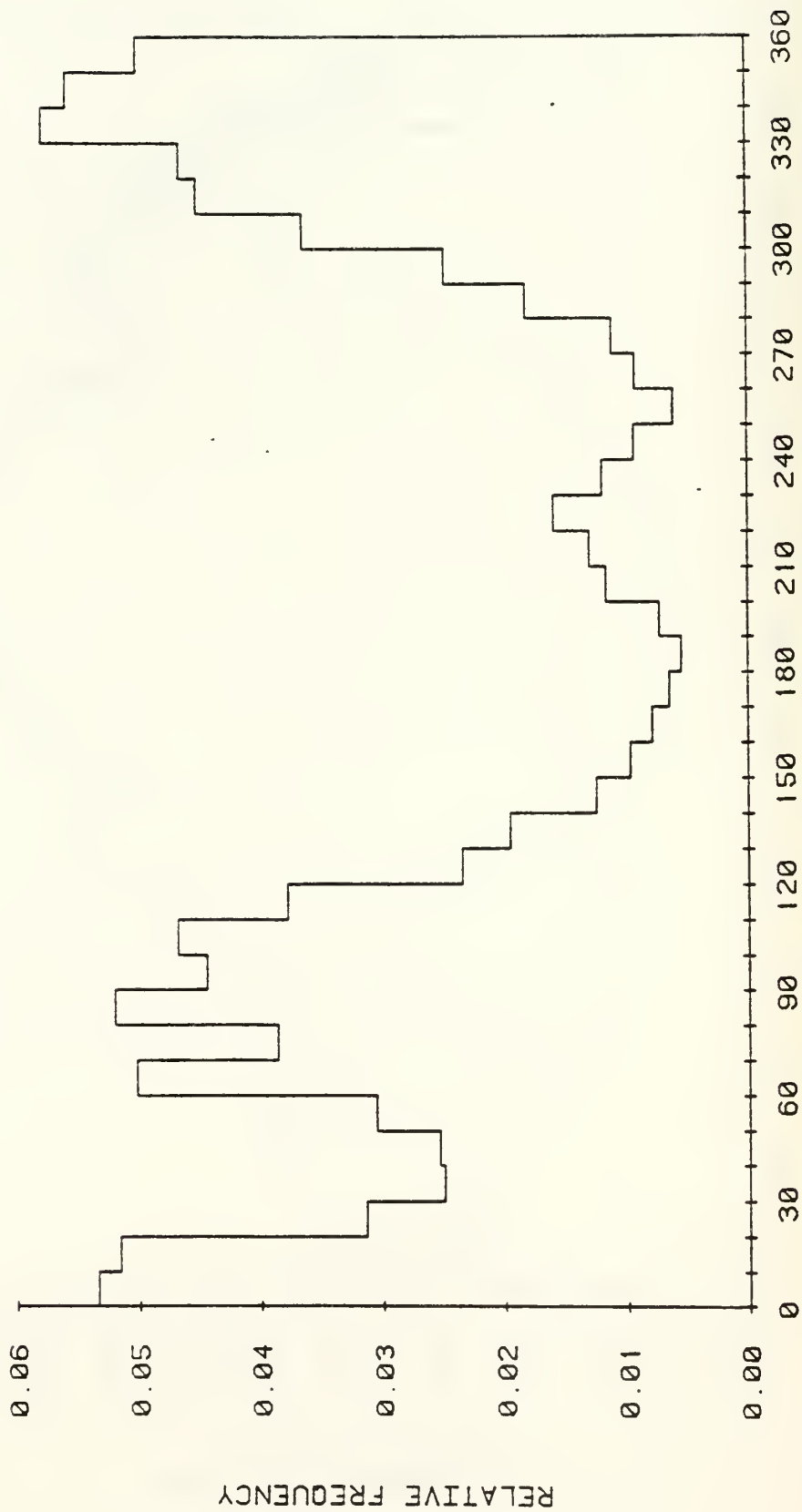
DIRECTION, DEGREES TRUE

223 M AT STN 7. 9 JAN 79 - 4 MAR 79. TAPE 842/8.



DIRECTION, DEGREES TRUE

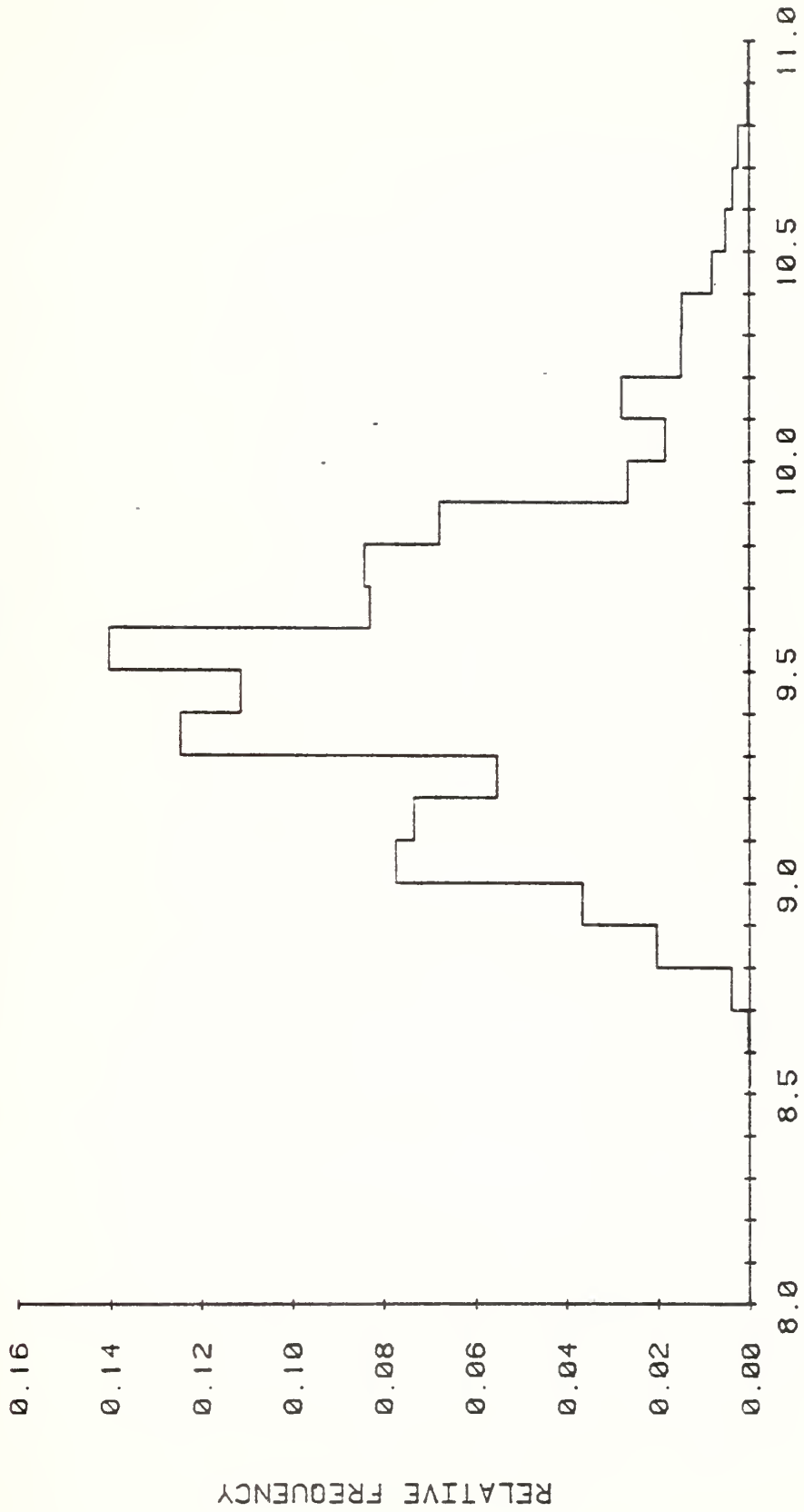
348 M AT STN 7. 9 JAN 79 - 3 MAR 79. TAPE 1495/3.



DIRECTION, DEGREES TRUE

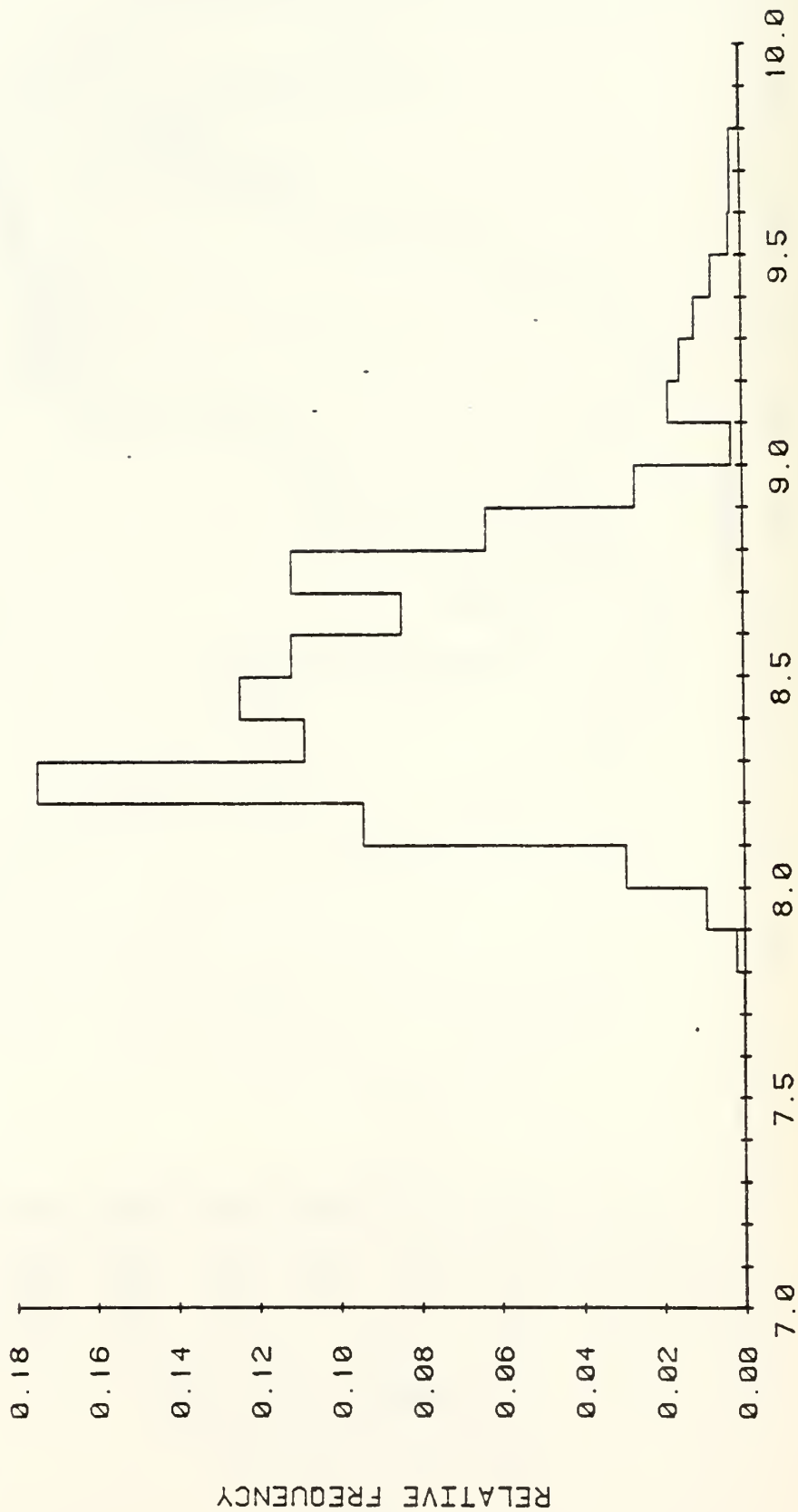
152 M AT STN 7. 9 JAN 79 - 2 MAR 79. TAPE 762/11.

↓ MEAN

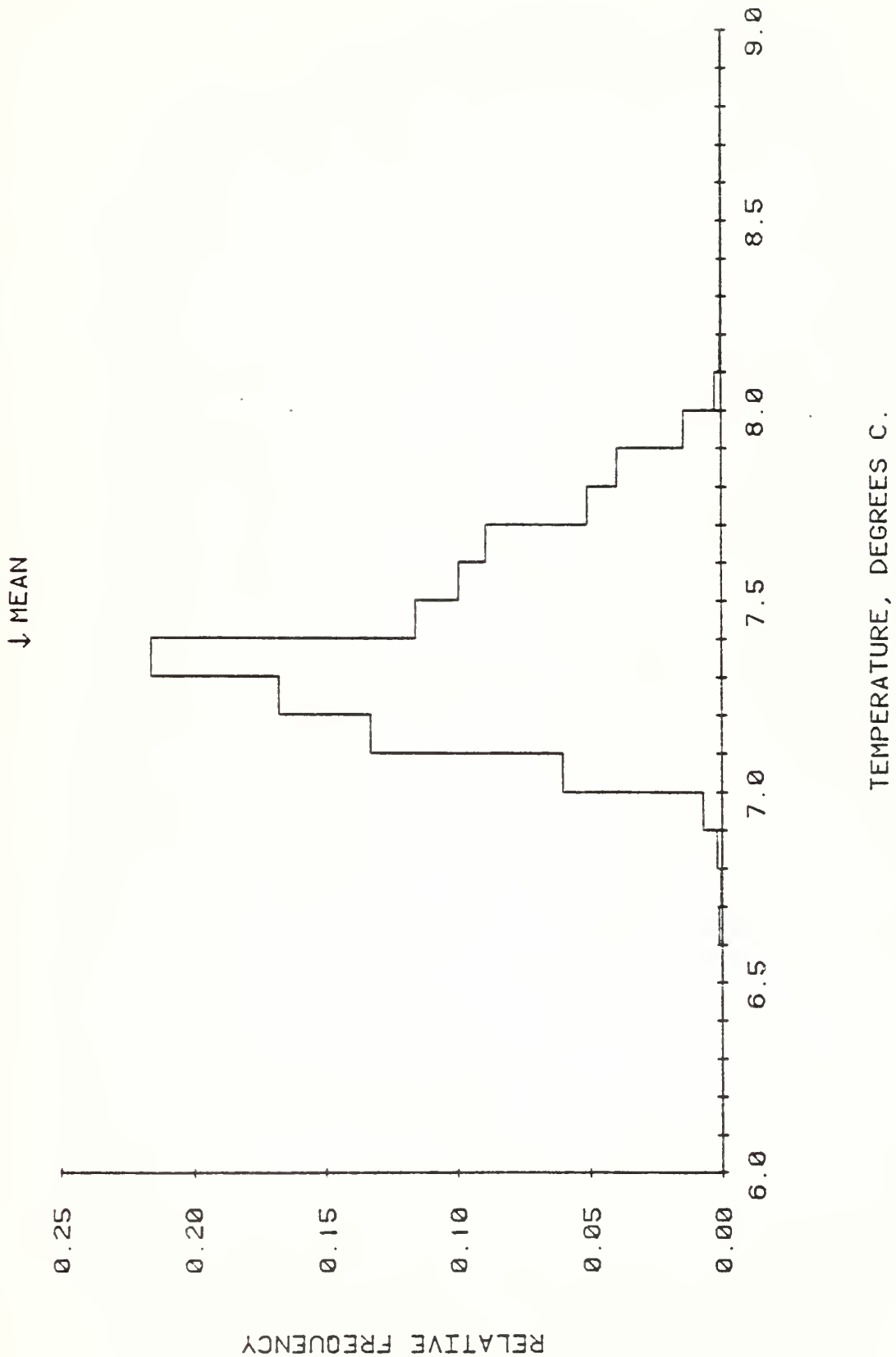


223 M AT STN 7. 9 JAN 79 - 4 MAR 79. TAPE 842/8.

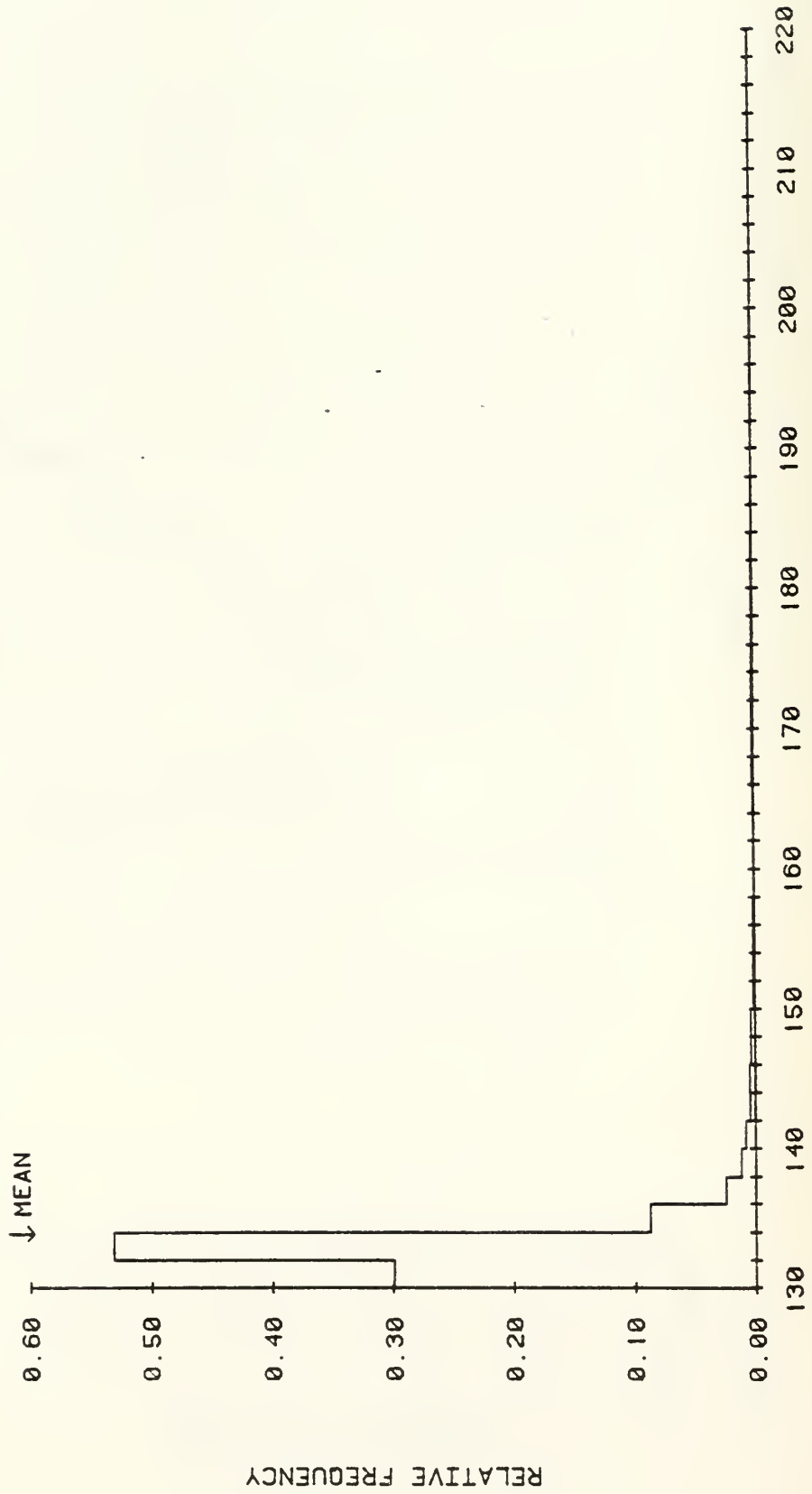
↓ MEAN



TEMPERATURE, DEGREES C.

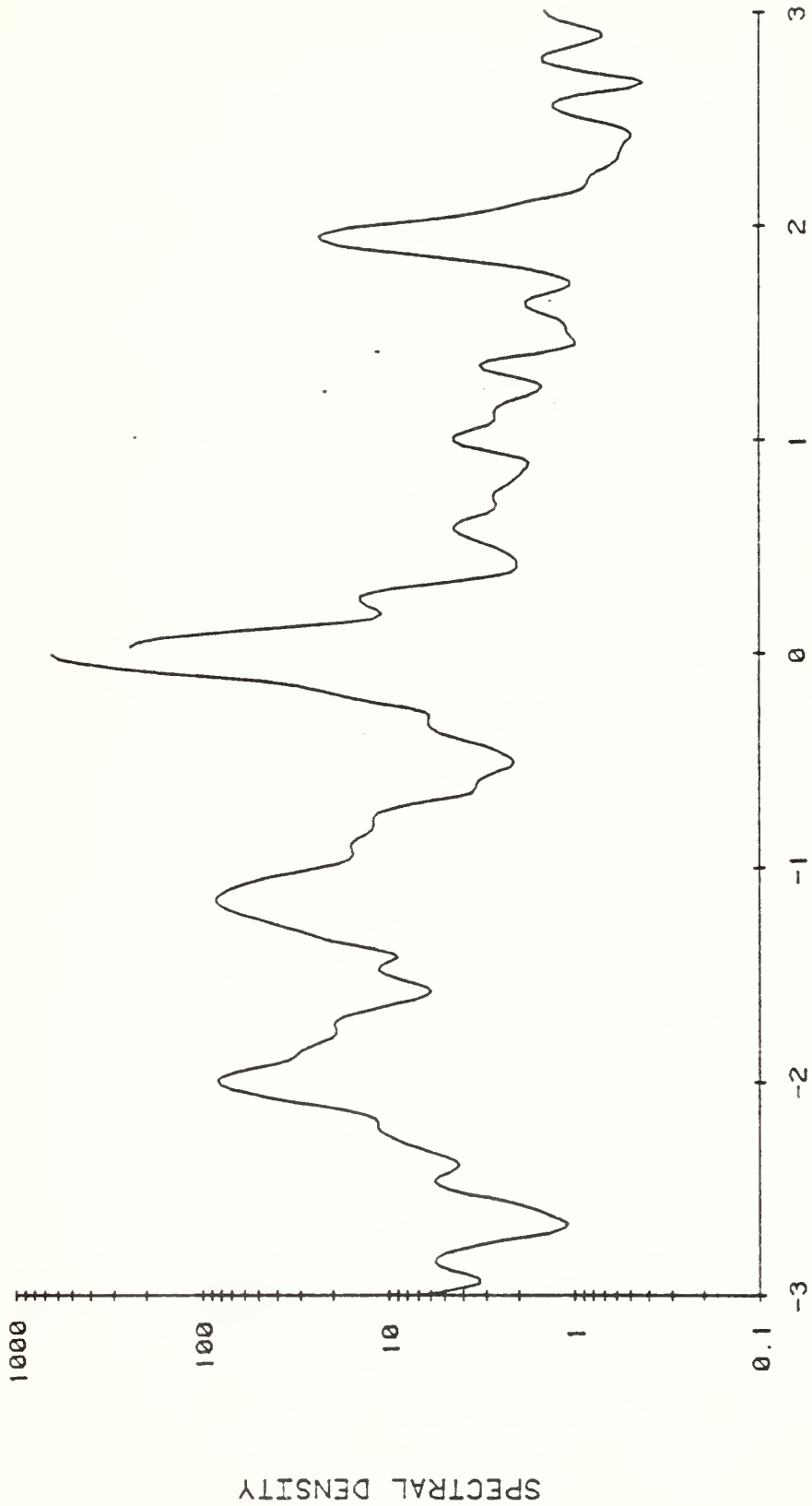


152 M AT STN 7. 9 JAN 79 - 2 MAR 79. TAPE 762/11.



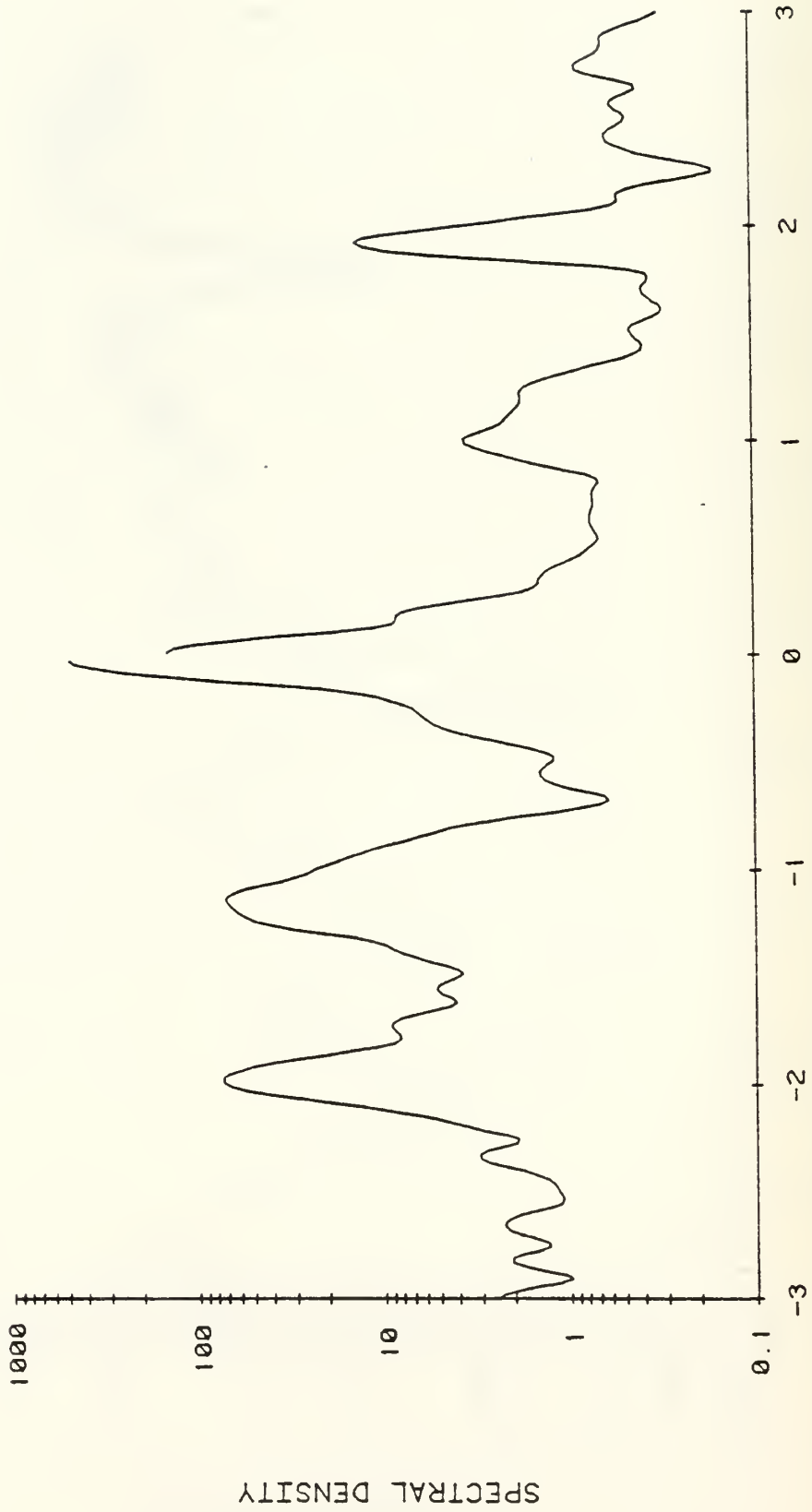
DEPTH, METERS

152 M AT STN 7. 9 JAN 79 - 2 MAR 79. TAPE 762/11.

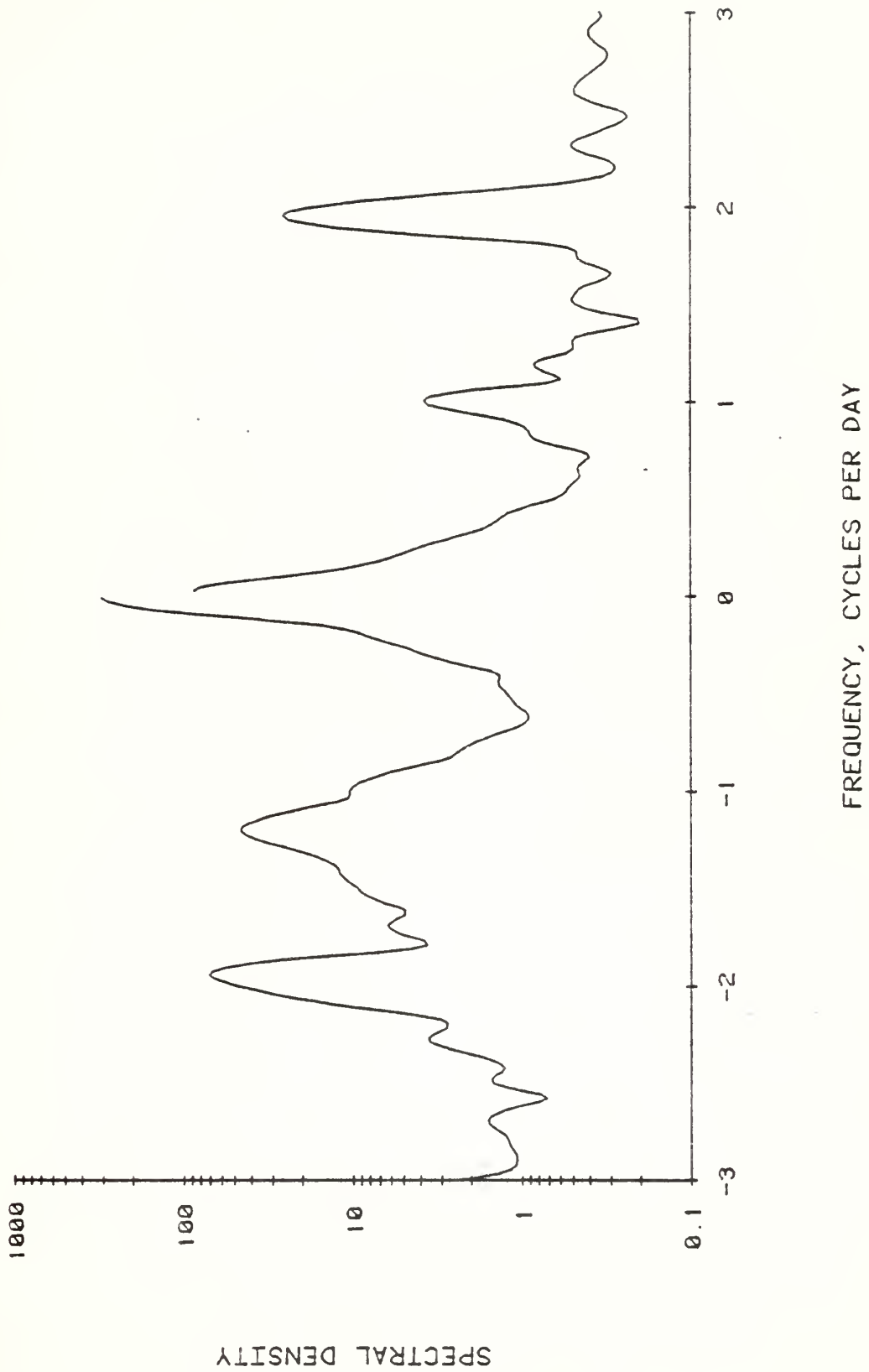




223 M AT STN 7. 9 JAN 79 - 4 MAR 79. TAPE 842/8.



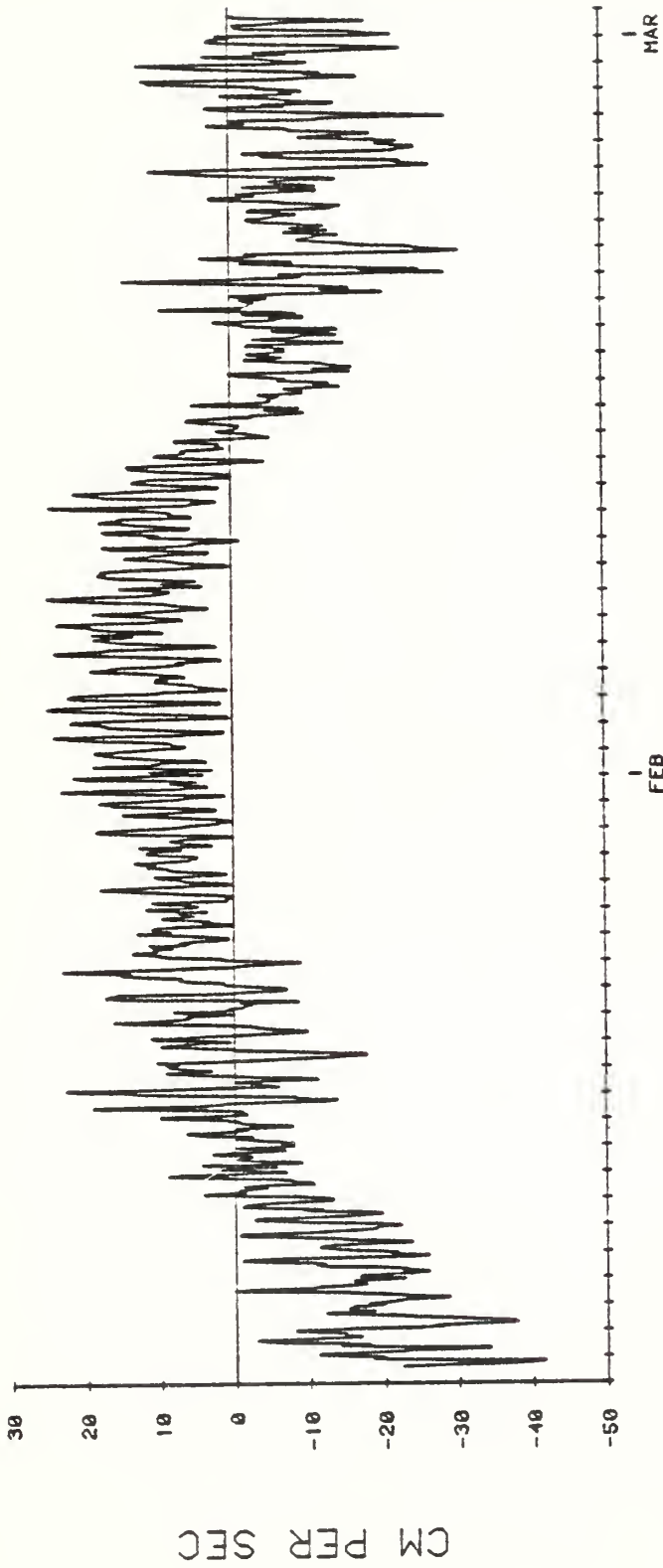
348 M AT STN 7. 9 JAN 79 - 3 MAR 79. TAPE 1495/3.



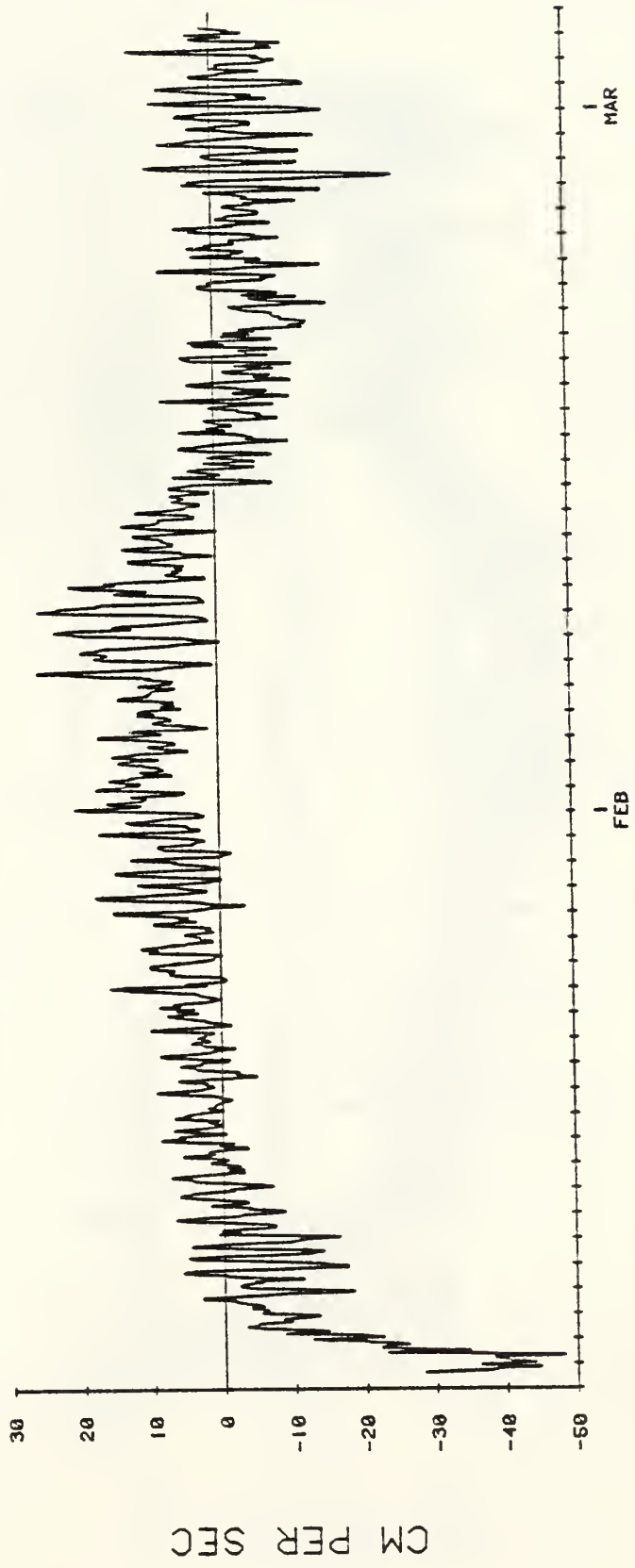
LLP FILTERED CURRENT AT STATION 7. JANUARY - MARCH 1979.

N  
20 cm/sec

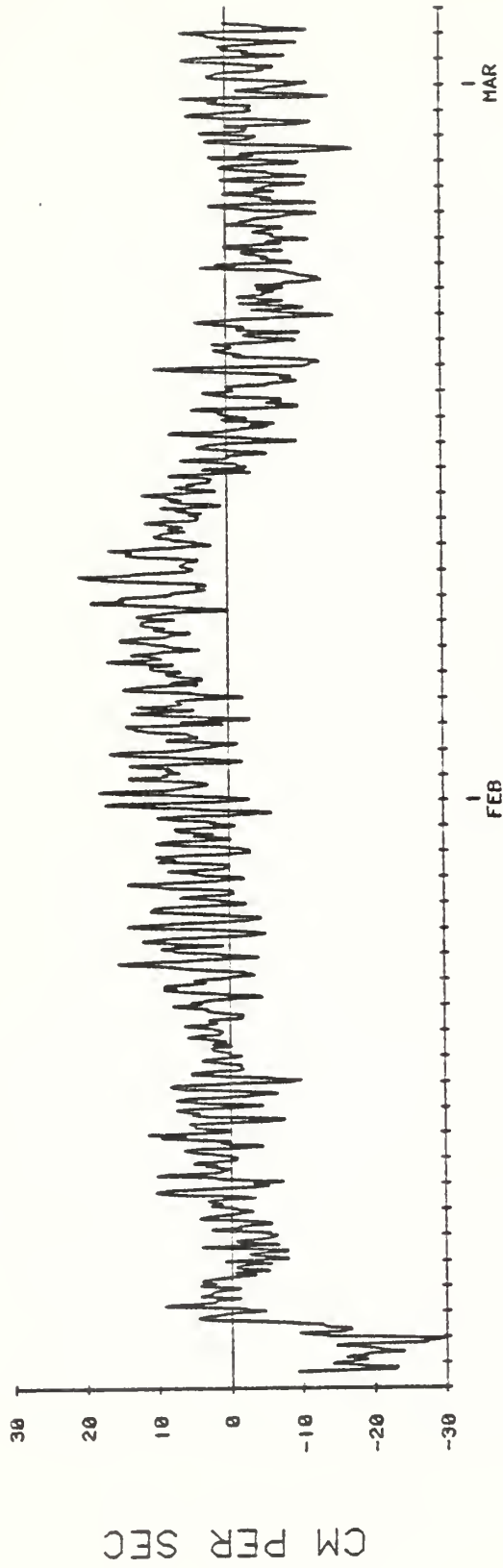




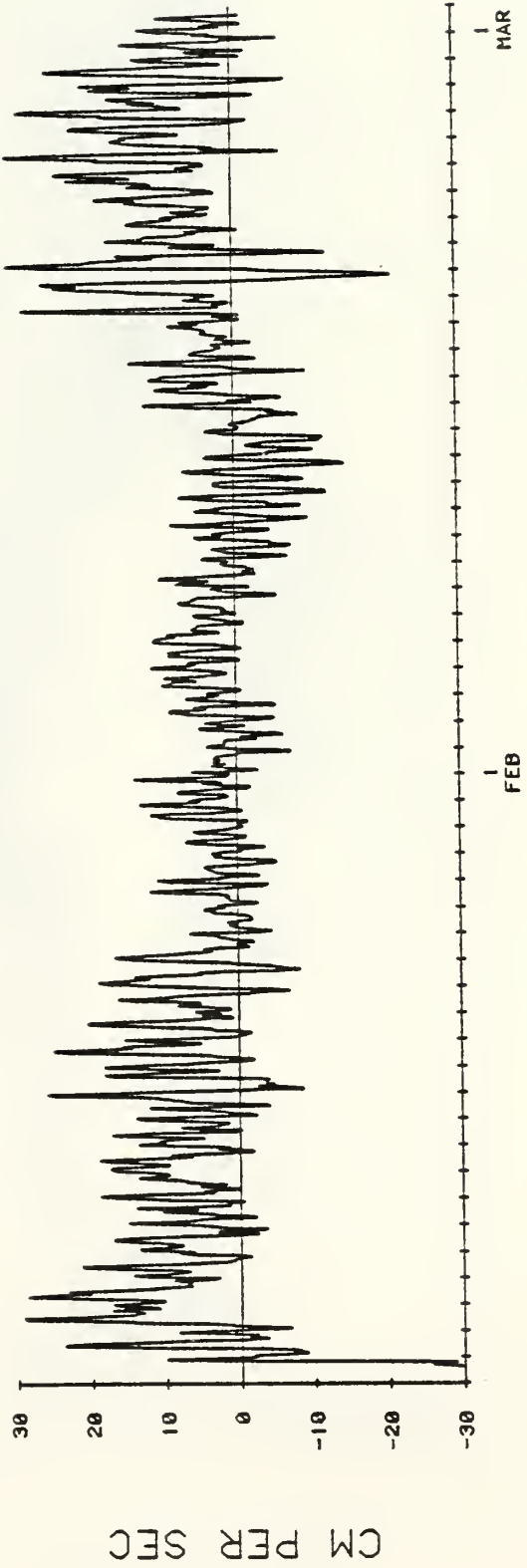
U COMPONENT. 152 M AT STN 7.



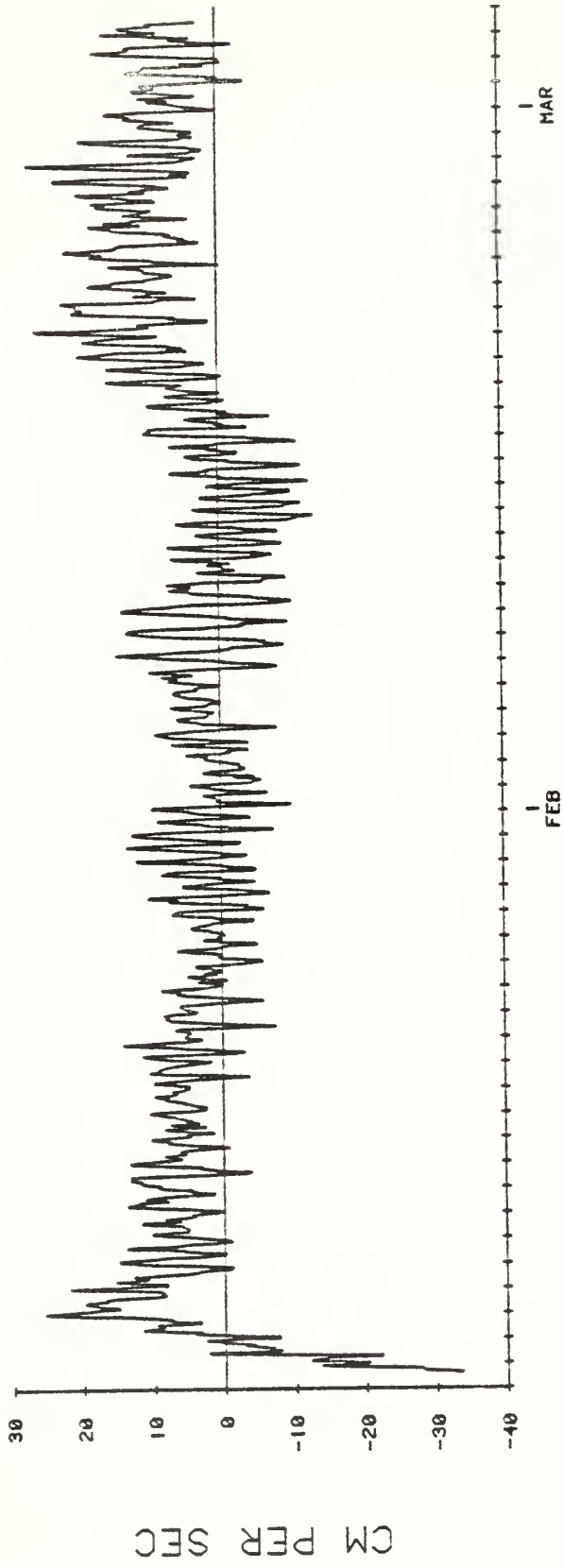
U COMPONENT. 223 M AT STN 7.



U COMPONENT . 348 M AT STN 7 .

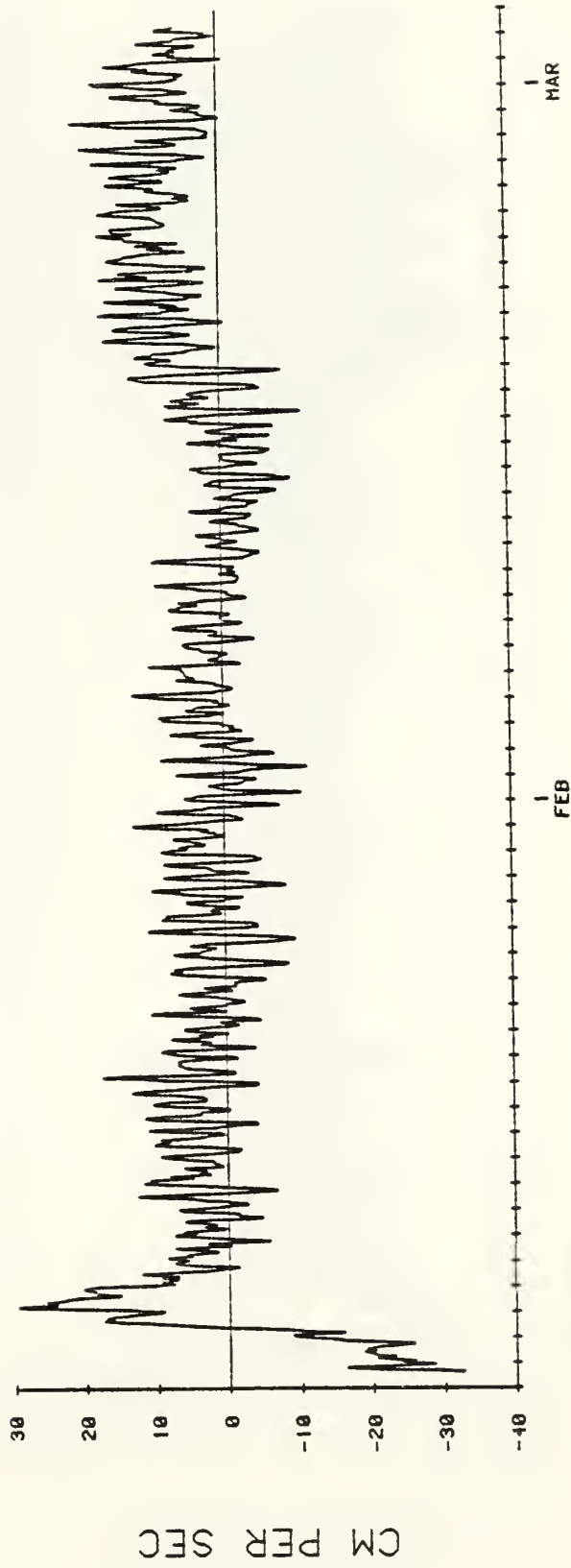


V COMPONENT. 152 M AT STN 7.

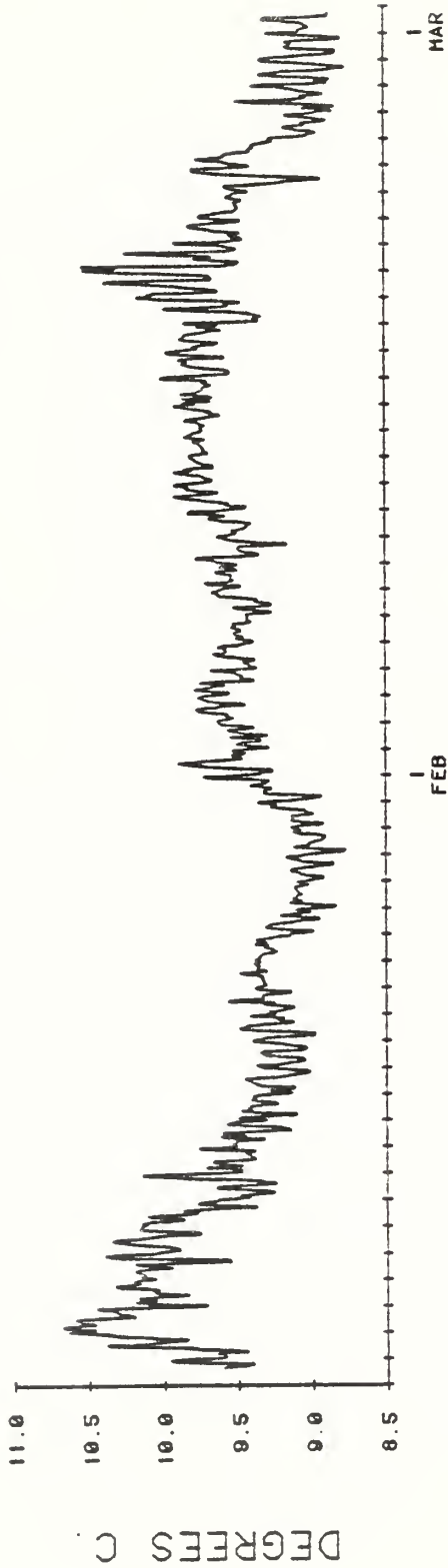


V COMPONENT. 223 M AT STN 7.

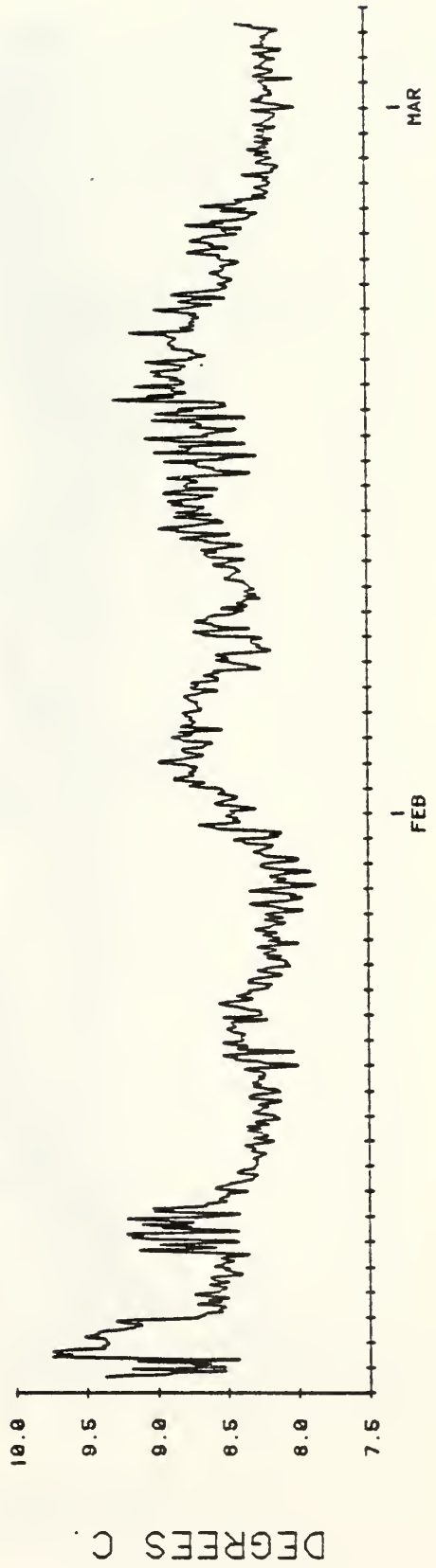




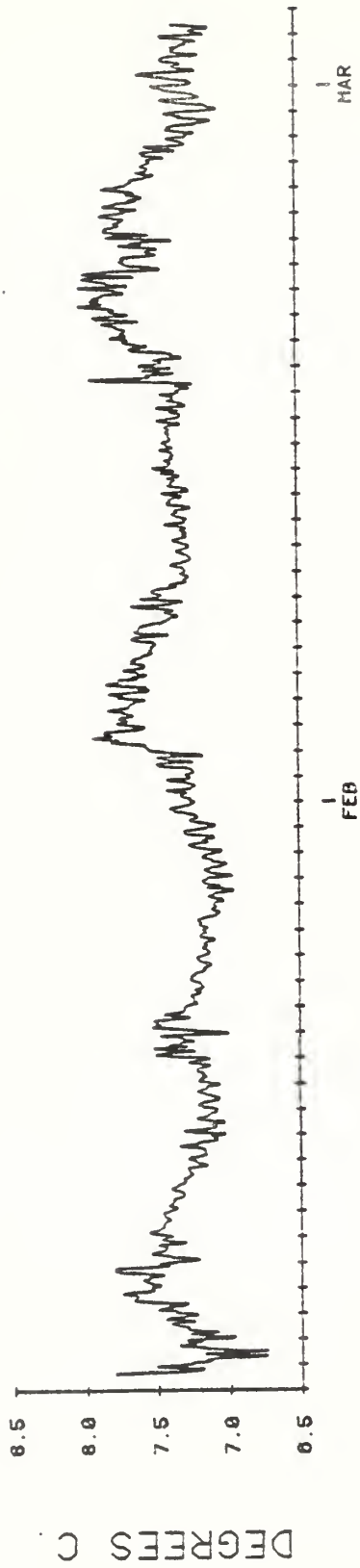
V COMPONENT. 348 M AT STN 7.



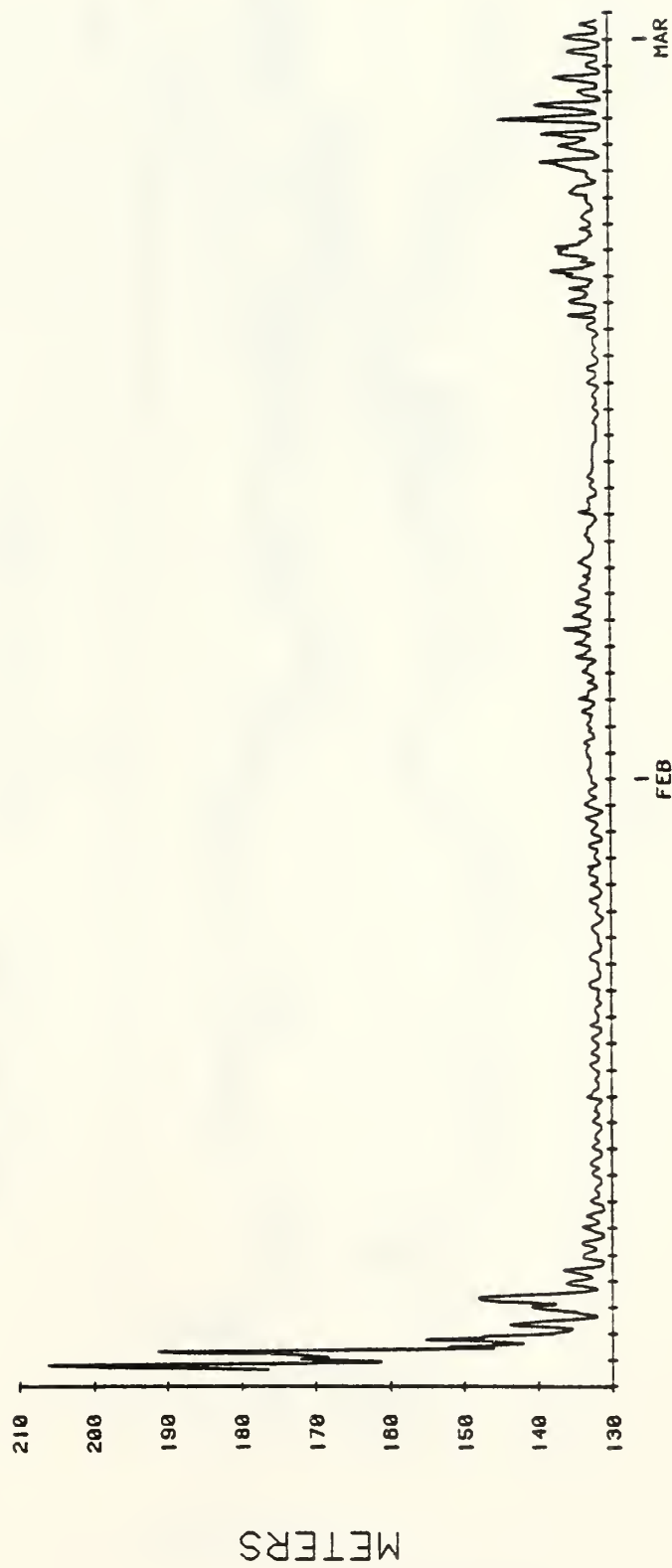
TEMPERATURE. 152 M AT STN 7.



TEMPERATURE . 223 M AT STN 7 .



TEMPERATURE 348 M AT STN 7.

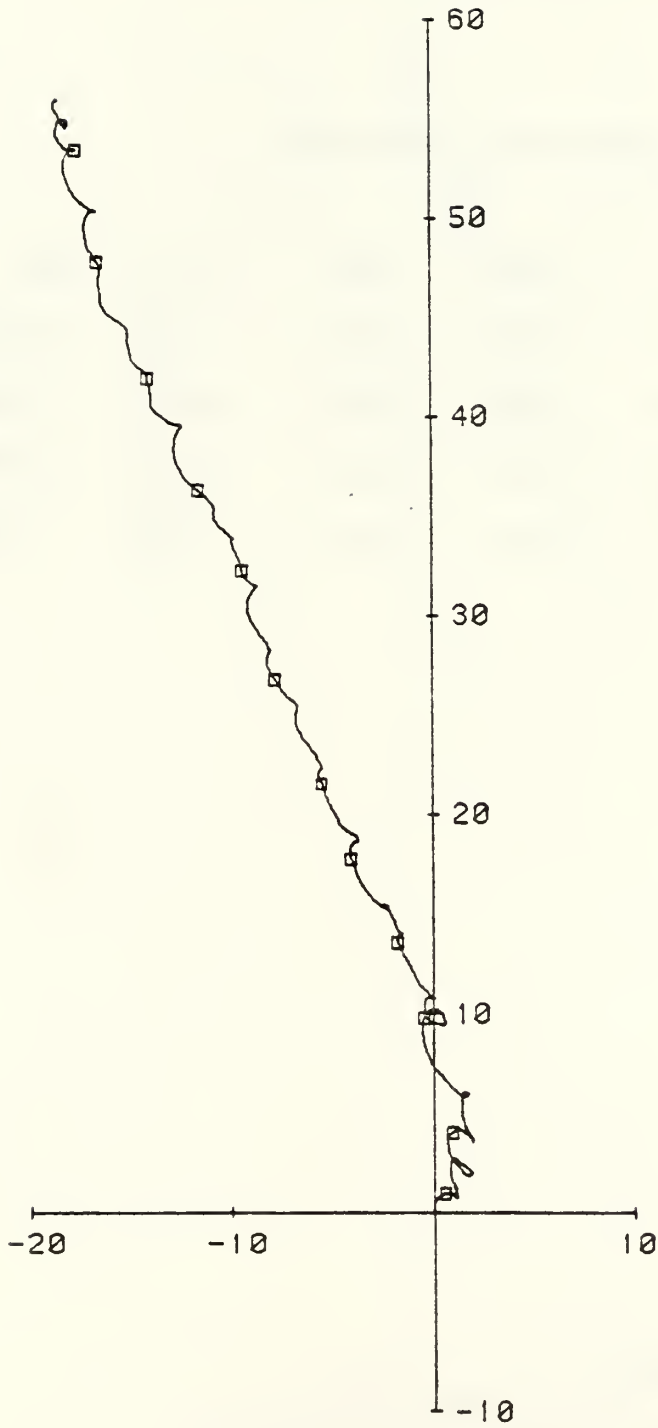


DEPTH (FROM PRESSURE) OF RCM 762 AT STN 7

STATION 5 - 35°51.1'N, 121°40.4'W  
24 APR 79 - 6 MAY 79

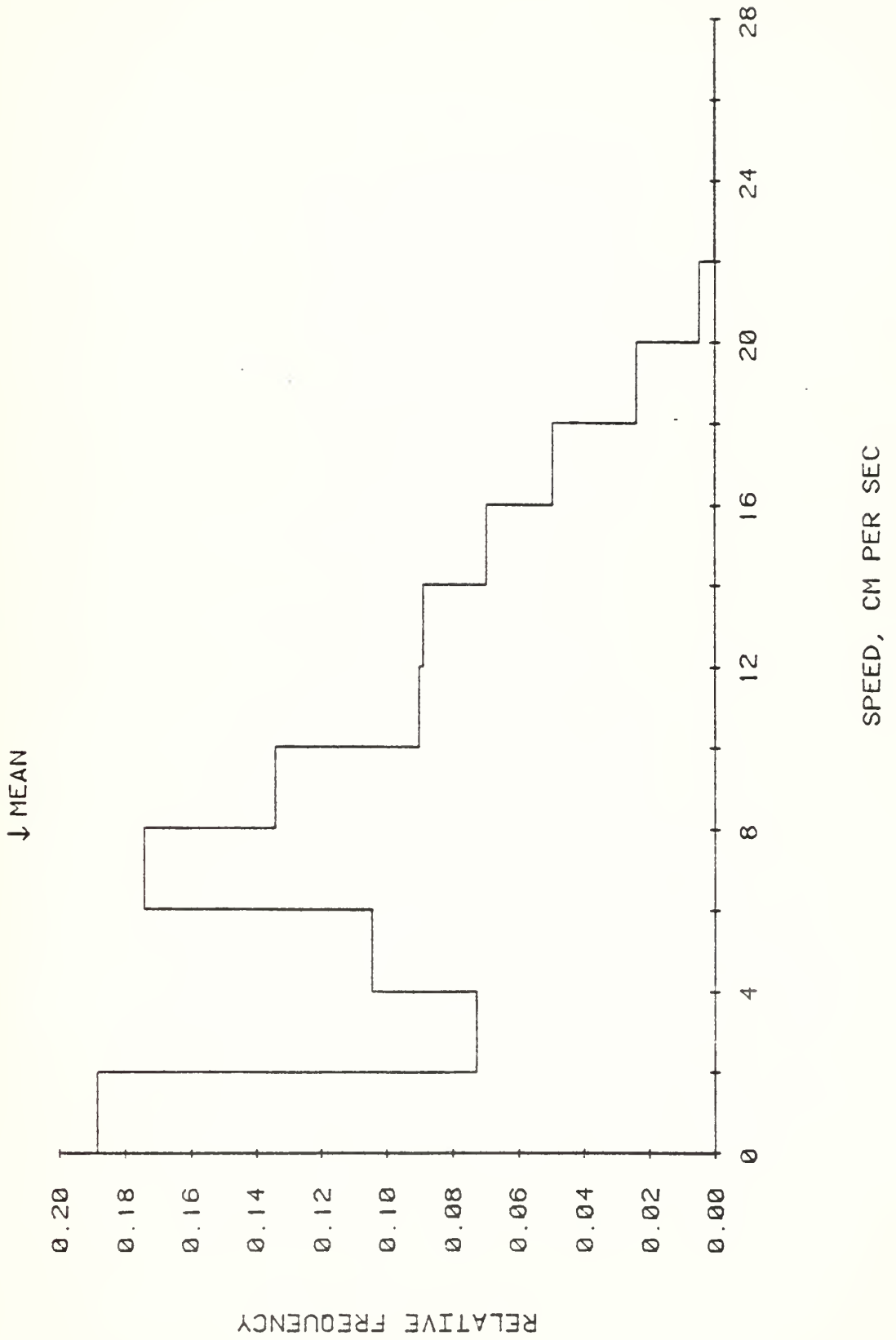
Record #12, Depth 512 m

	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S (cm/s)	7.85	5.16	0.29	2.18	0.80	21.70	1721
U (cm/s)	-1.80	4.94	0.06	3.22	-15.30	15.50	1721
V (cm/s)	5.42	5.59	0.10	2.47	-9.90	19.80	1721
T (°C)	5.97	0.16	-0.02	3.19	5.54	6.52	1646



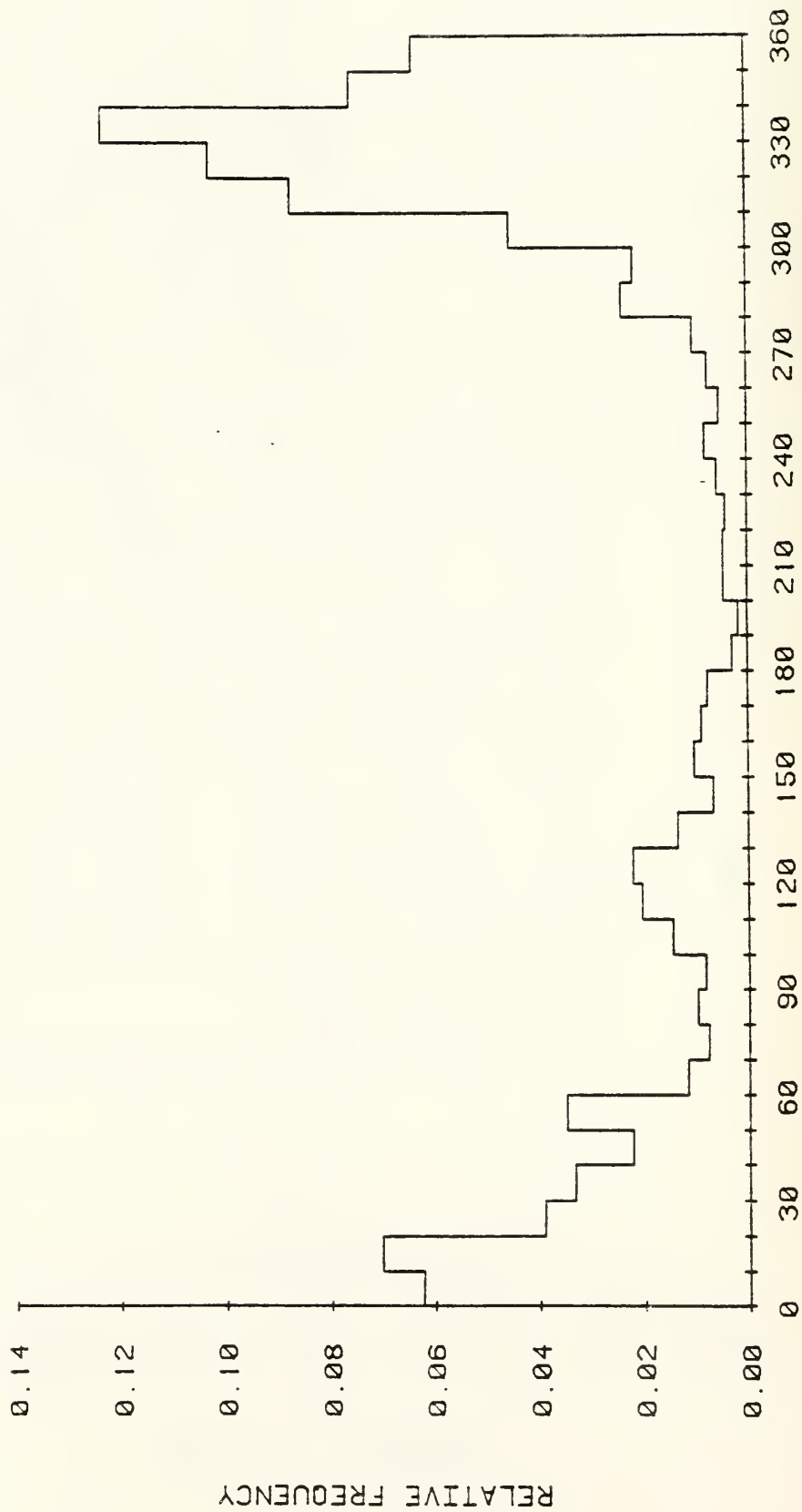
512 M AT STN 5. 24 APR 79 - 6 MAY 79. TAPE 1759/3.

512 M AT STN 5. 24 APR 79. - 6 MAY 79. TAPE 1759/3.



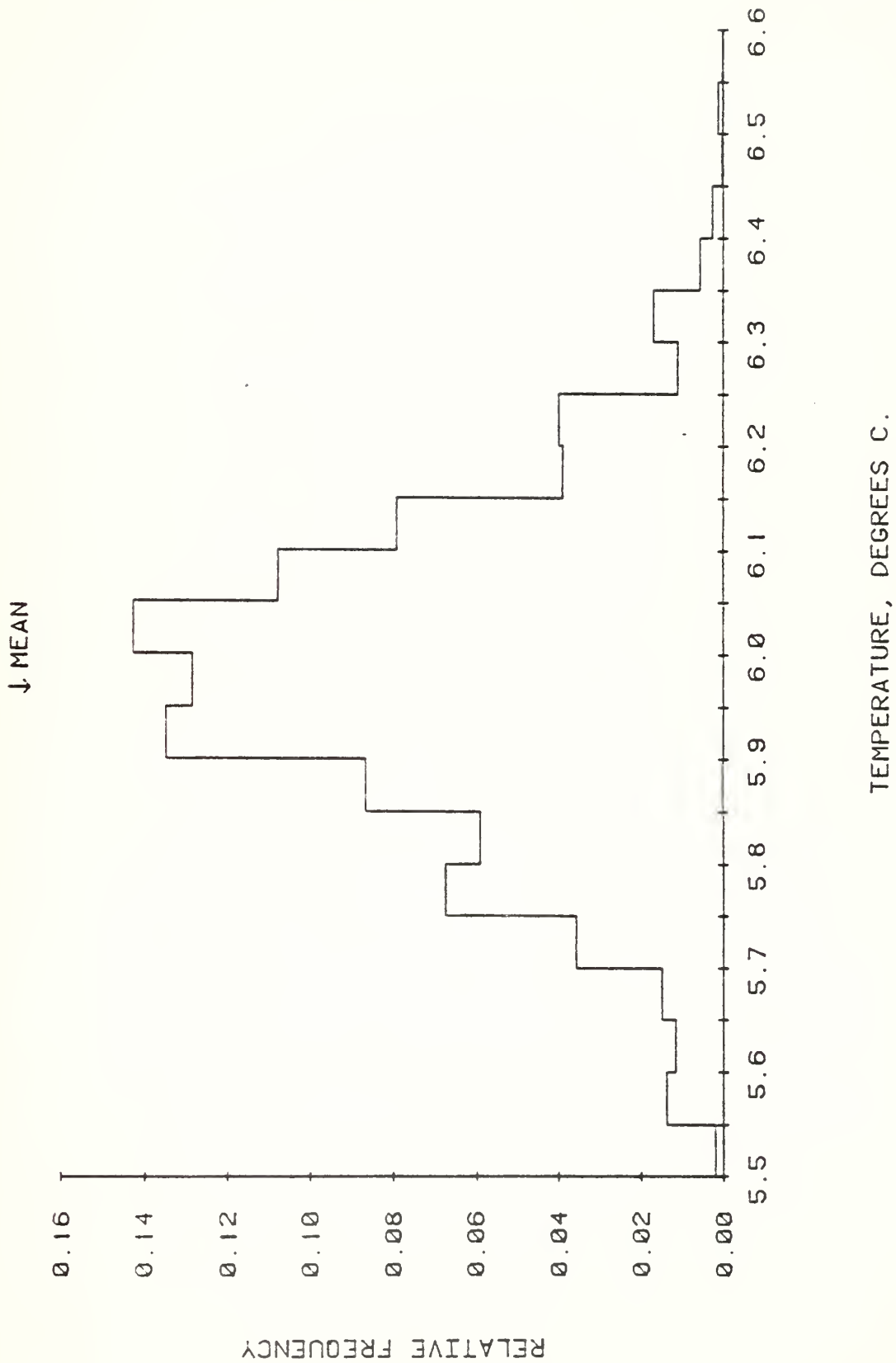


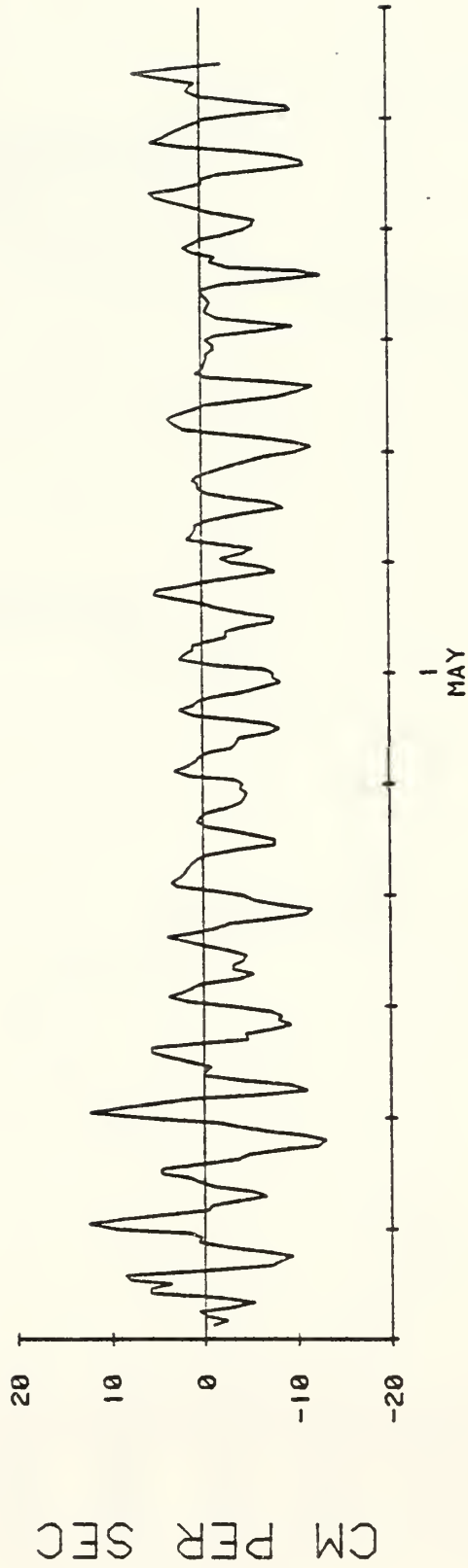
512 M AT STN 5. 24 APR 79 - 6 MAY 79. TAPE 1759/3.



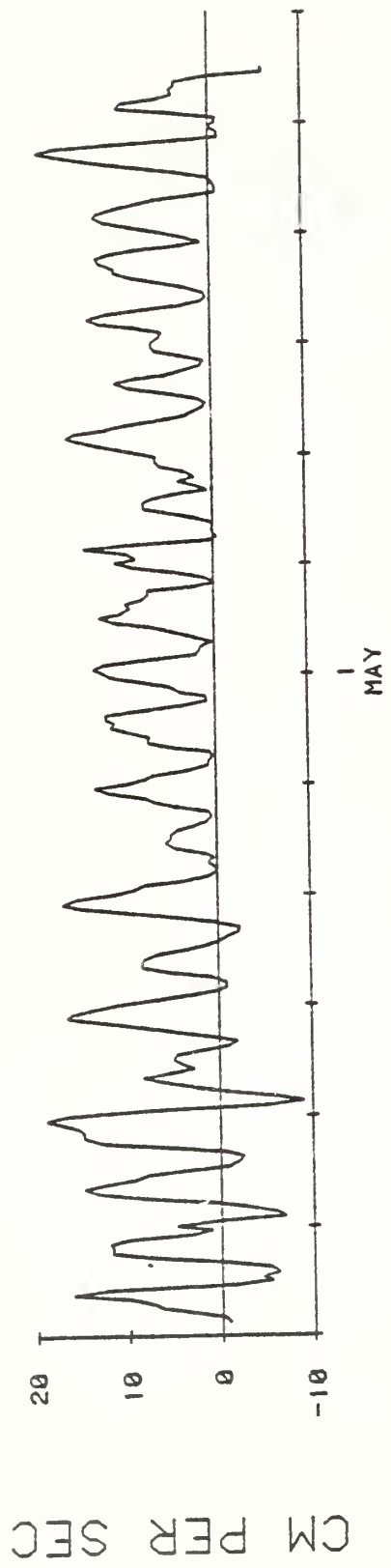
DIRECTION, DEGREES TRUE

512 M AT STN 5. 25 APR 79 - 6 MAY 79. TAPE 1759/3.

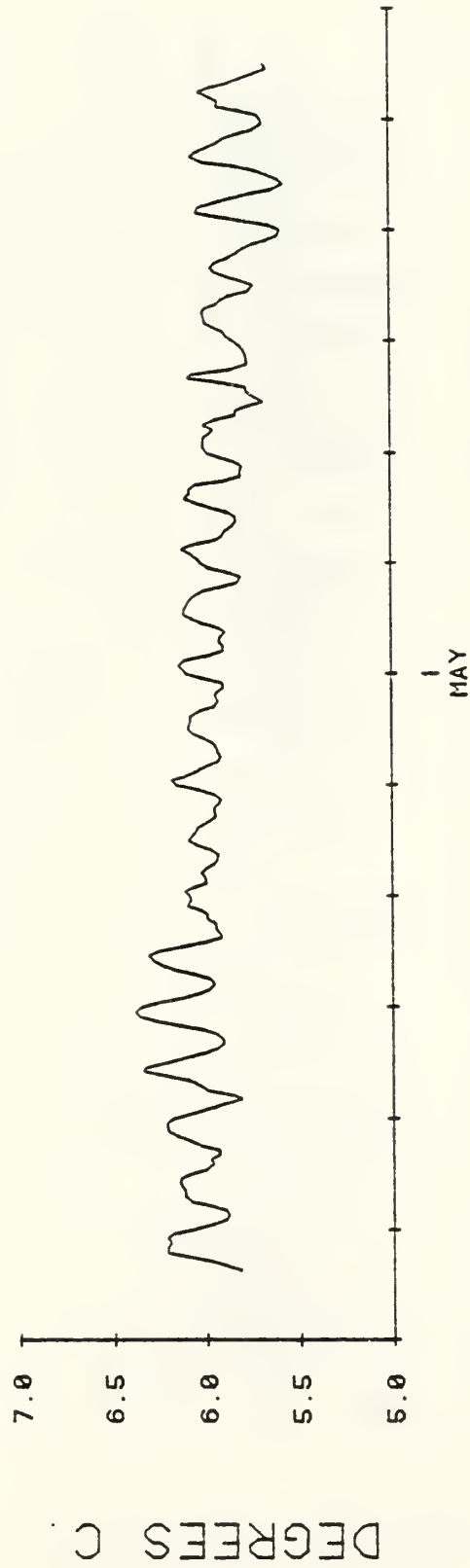




U COMPONENT . 512 M AT STN 5 .

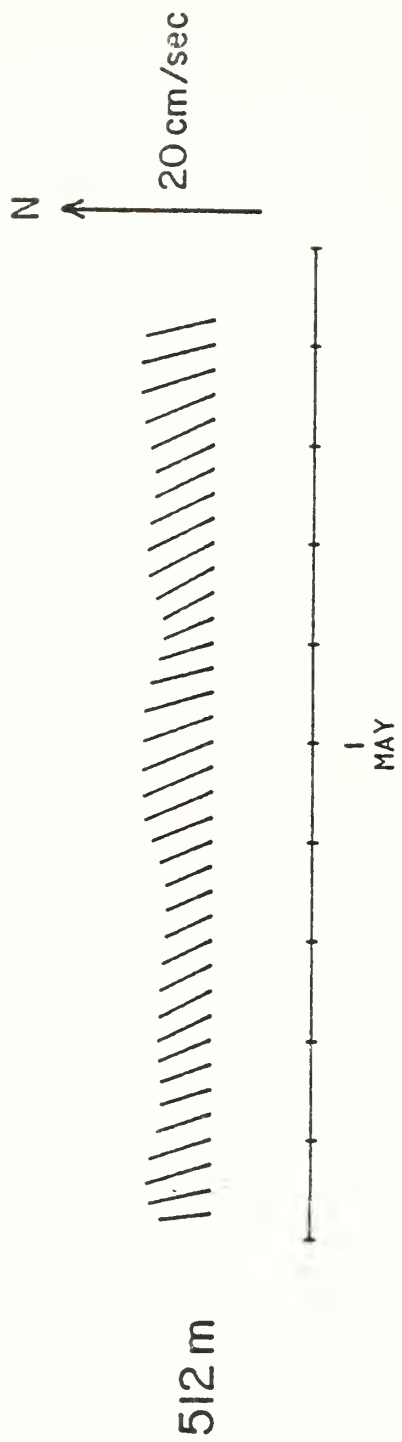


V COMPONENT. 512 M AT STN 5.



TEMPERATURE. 512 M AT STN 5.

LLP CURRENT AT STN 5. APRIL, MAY 79.



STATION 2 - 35° 52.3'N, 121° 33.7'W  
 24 APR 79 - 16 JUN 79

Record #13, Depth 169 m

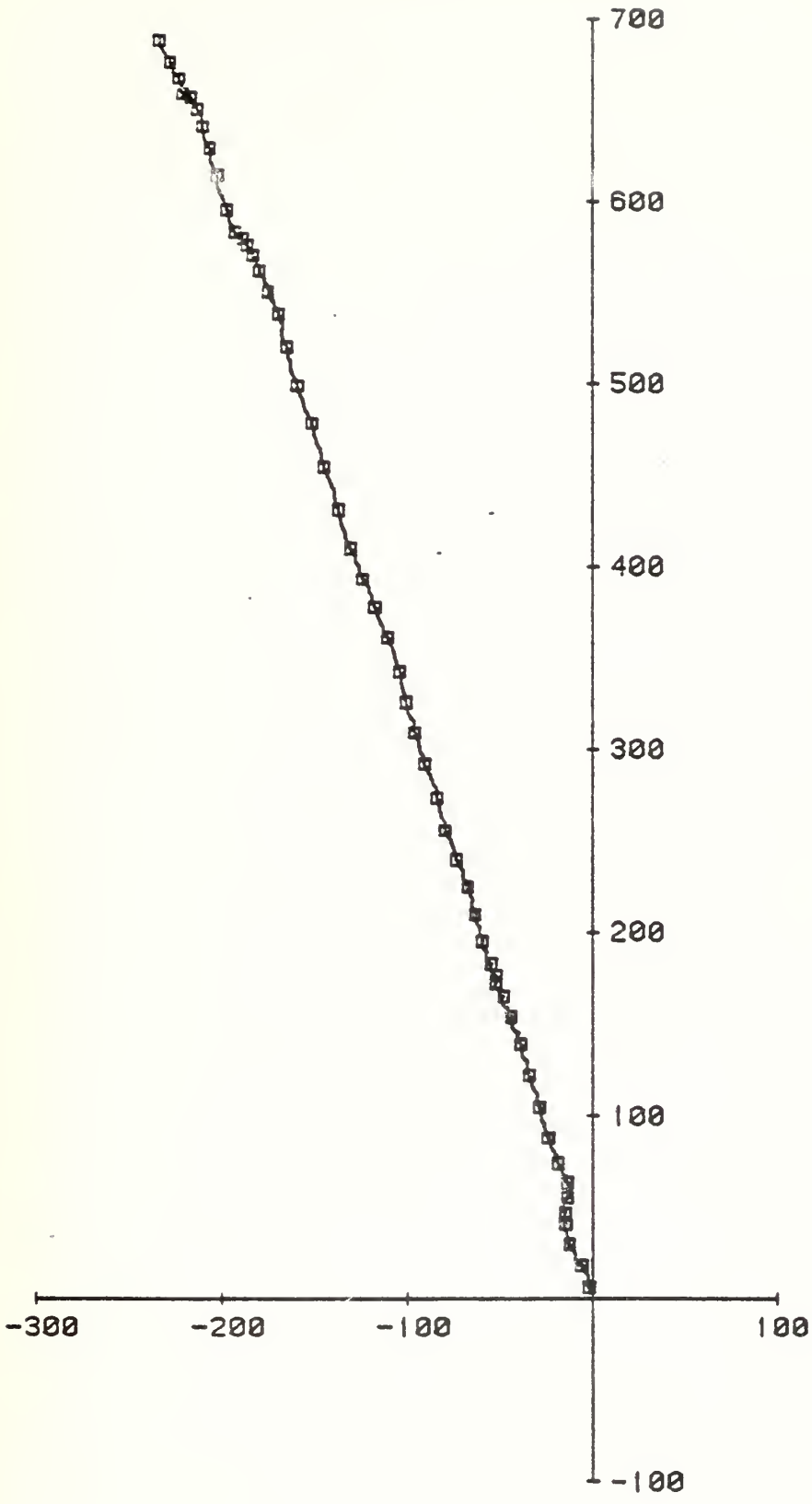
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	17.78	8.07	0.80	2.38	0.80	40.40	7563
U(cm/s)	-5.17	6.88	0.05	2.75	-29.20	19.40	7563
V(cm/s)	15.16	8.80	-0.06	2.50	-11.40	39.00	7563
T(°C)	8.55	0.38	0.12	2.35	7.62	9.71	7563

Record #14, Depth 241 m

S(cm/s)	13.76	7.03	0.31	2.51	0.80	35.70	7140
U(cm/s)	-3.89	6.92	-0.07	2.77	-25.50	17.80	7140
V(cm/s)	10.21	8.46	-0.17	2.61	-14.50	34.50	7140
T(°C)	7.99	0.36	-0.12	2.26	7.00	8.95	7140
Z(meters)	249.33	0.60	1.09	3.80	248.50	252.10	7140

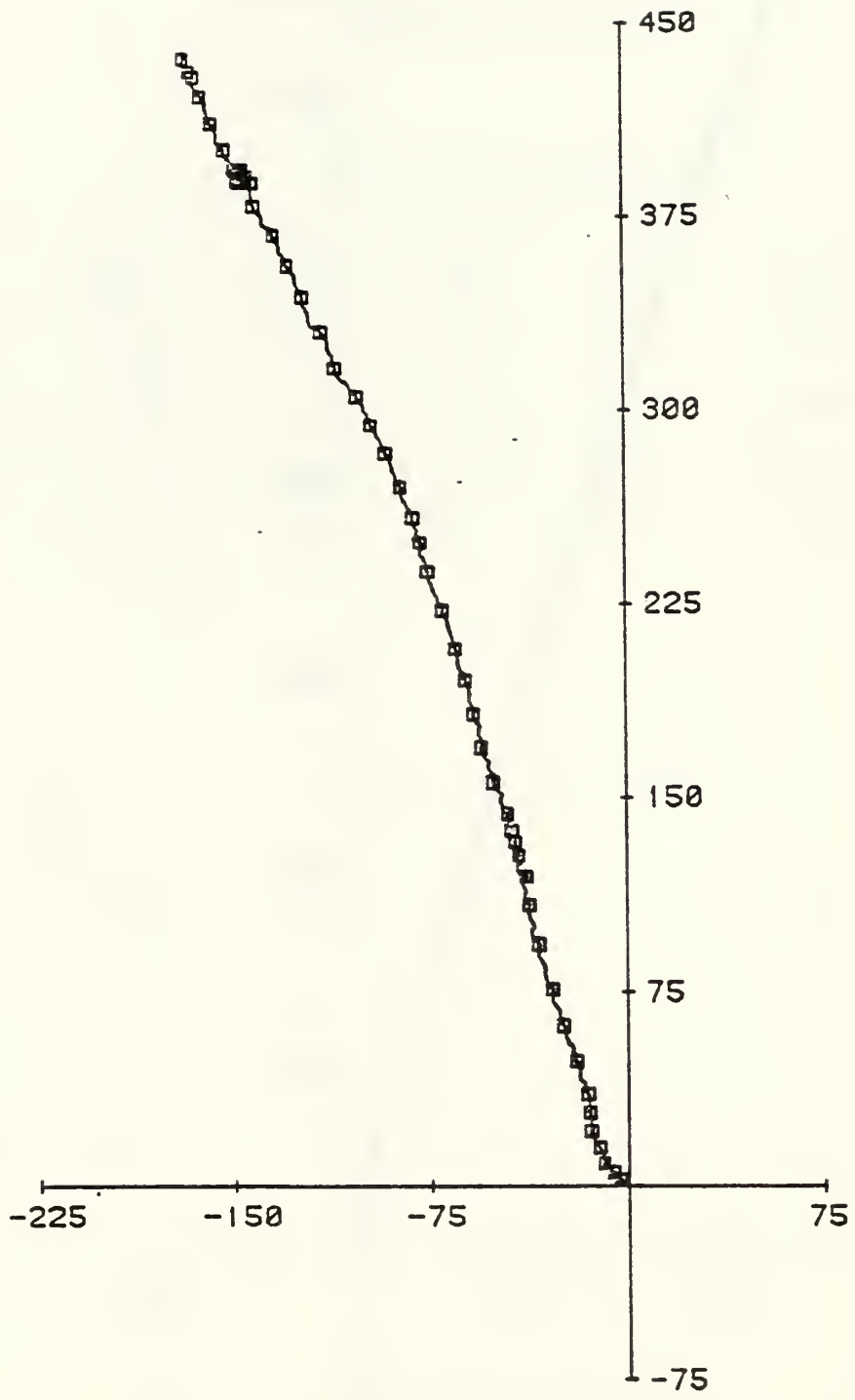
Record #15, Depth 364 m

S(cm/s)	11.35	5.30	0.32	2.83	0.80	31.20	767
U(cm/s)	-1.17	8.14	0.13	2.81	-28.30	27.80	767
V(cm/s)	4.71	8.20	-0.19	2.54	-21.00	28.10	767
T(°C)	7.03	0.28	0.26	2.50	6.34	7.99	767

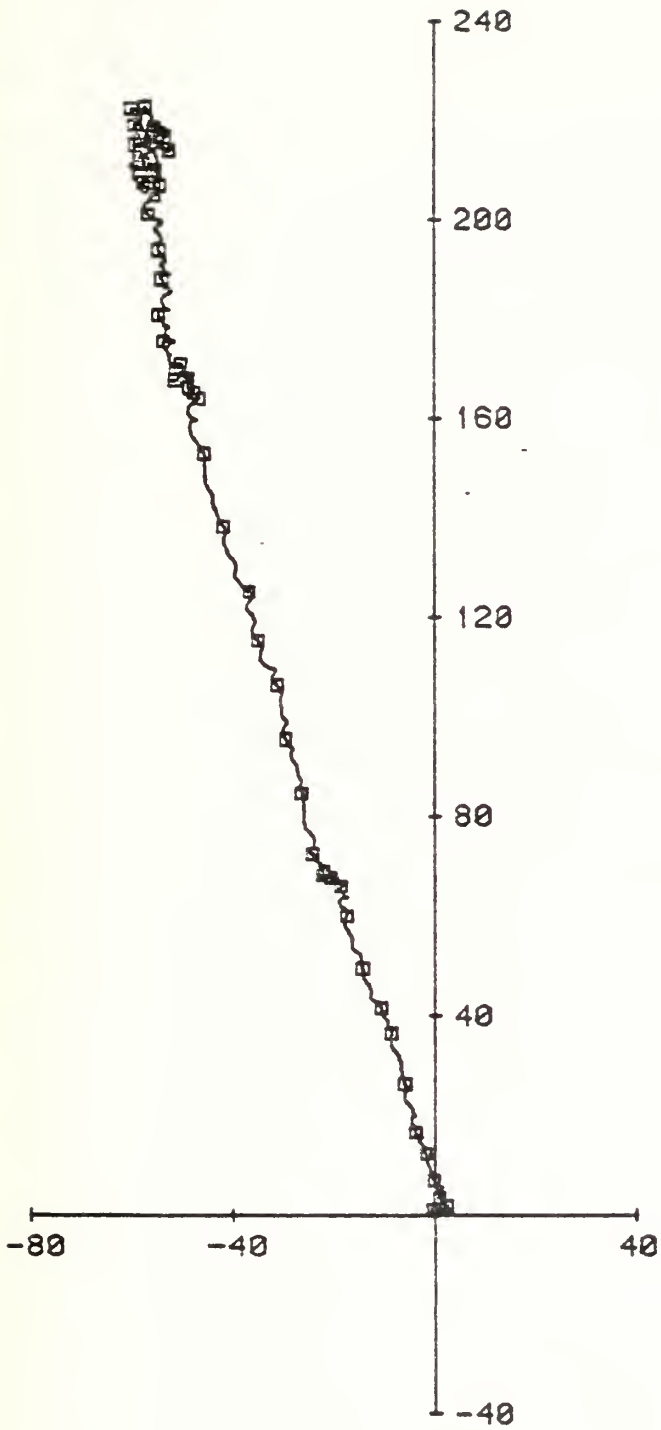


169 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 1965/3.



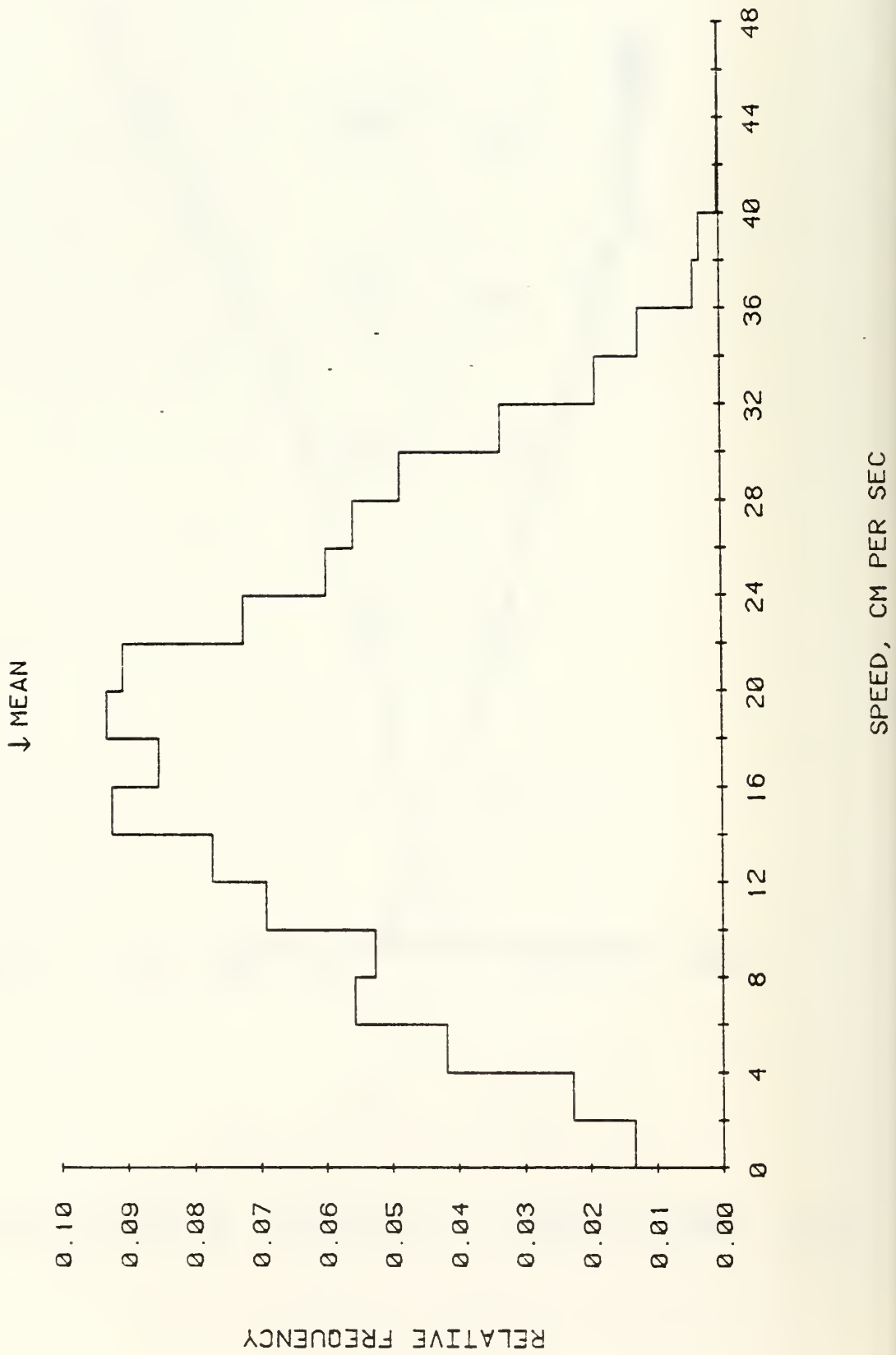


241 M AT STN 2. 24 APR 79 - 13 JUN 79. TAPE 1319/3.



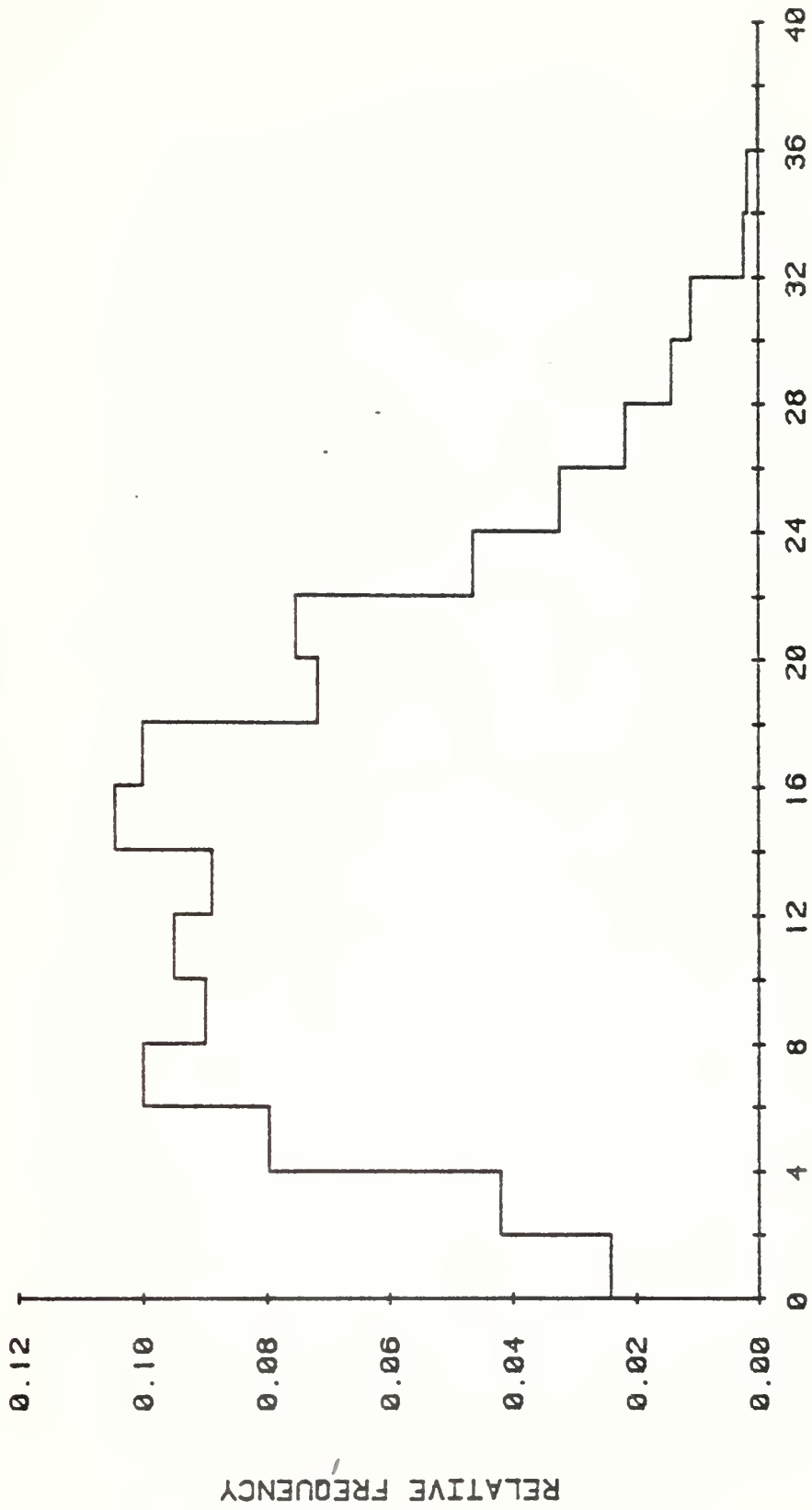
364 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 2759/2.

169 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 1965/3.



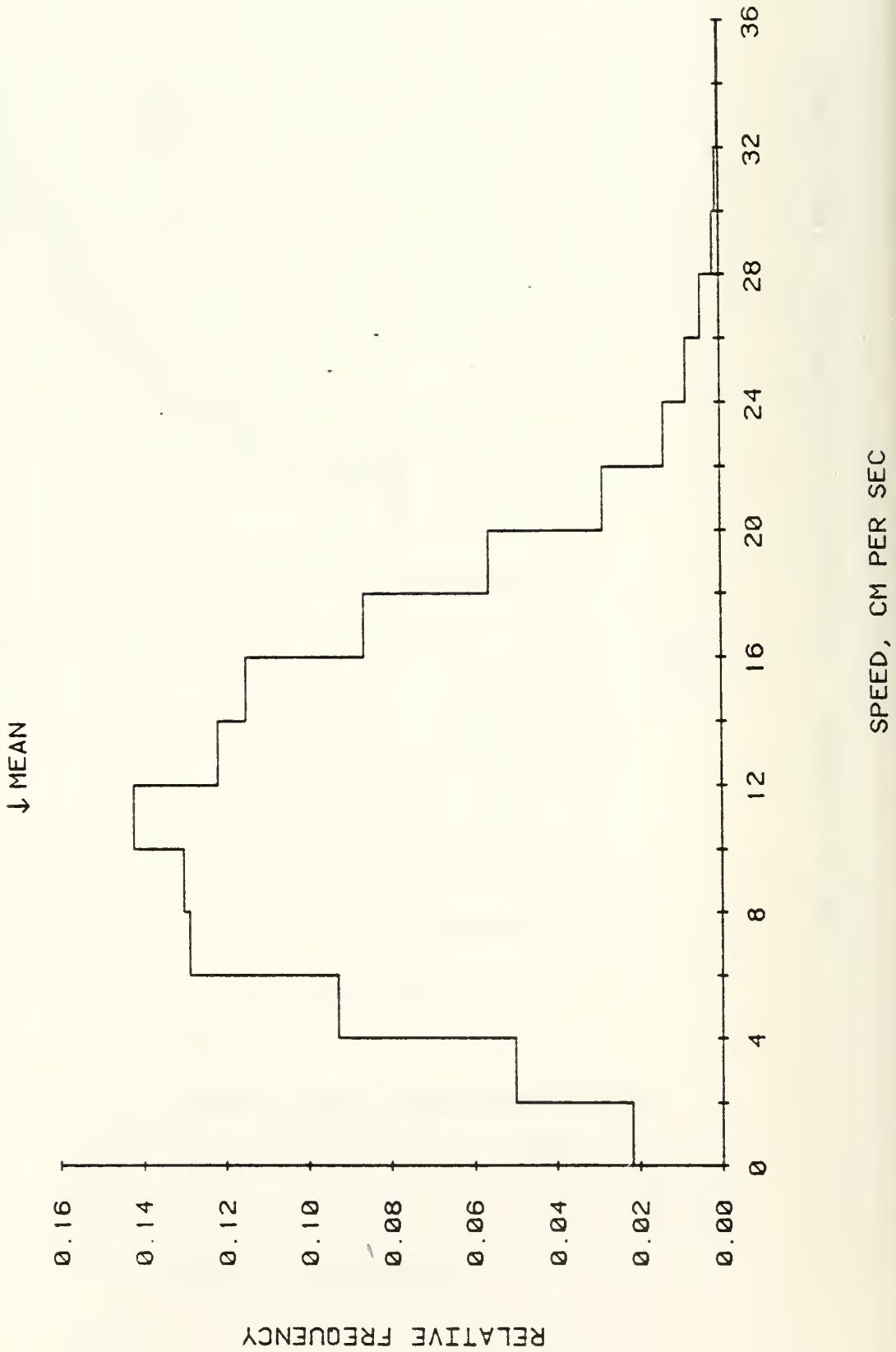
241 M AT STN 2. 24 APR 79 - 13 JUN 79. TAPE 1319/3.

↓ MEAN

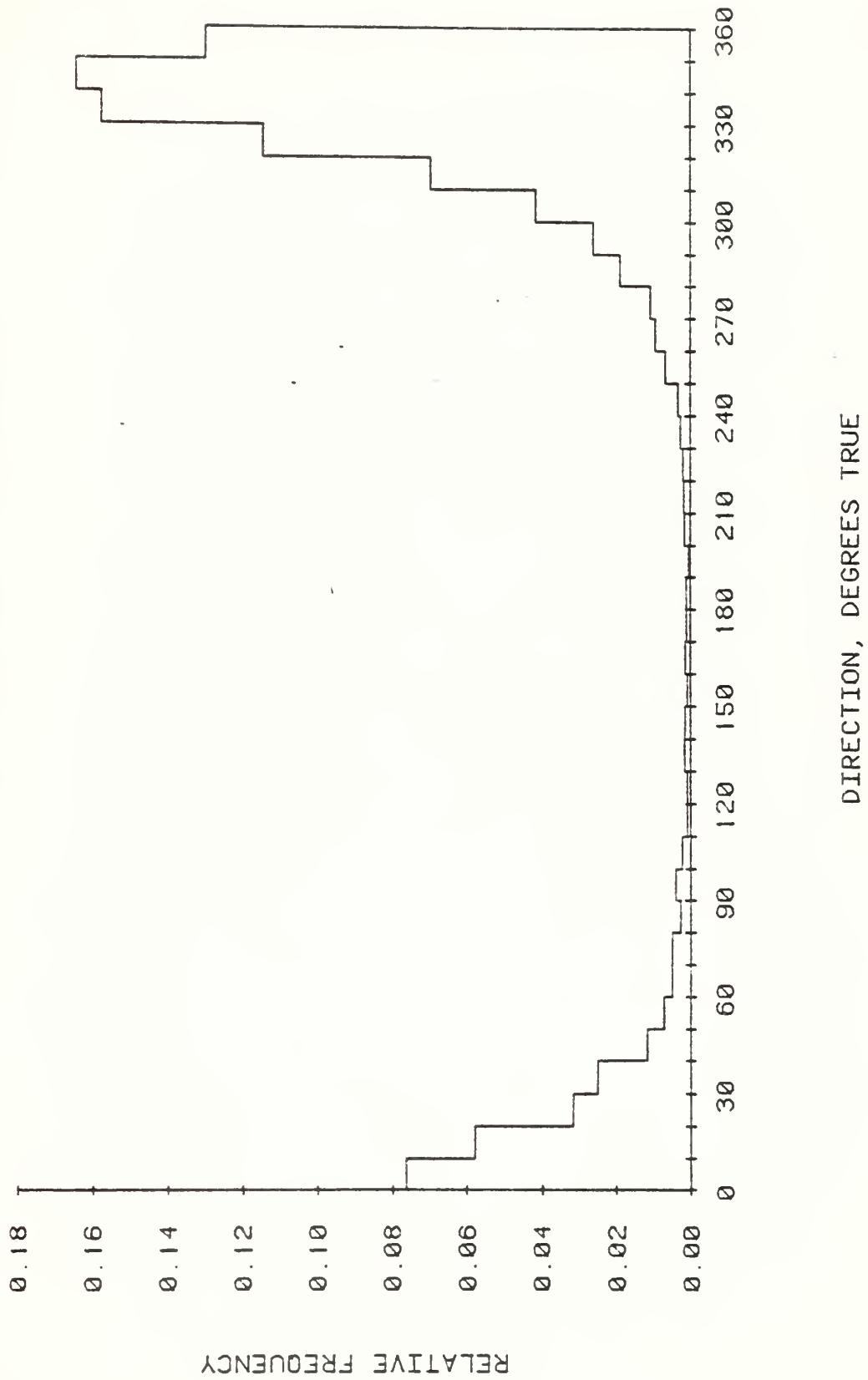


SPEED, CM PER SEC

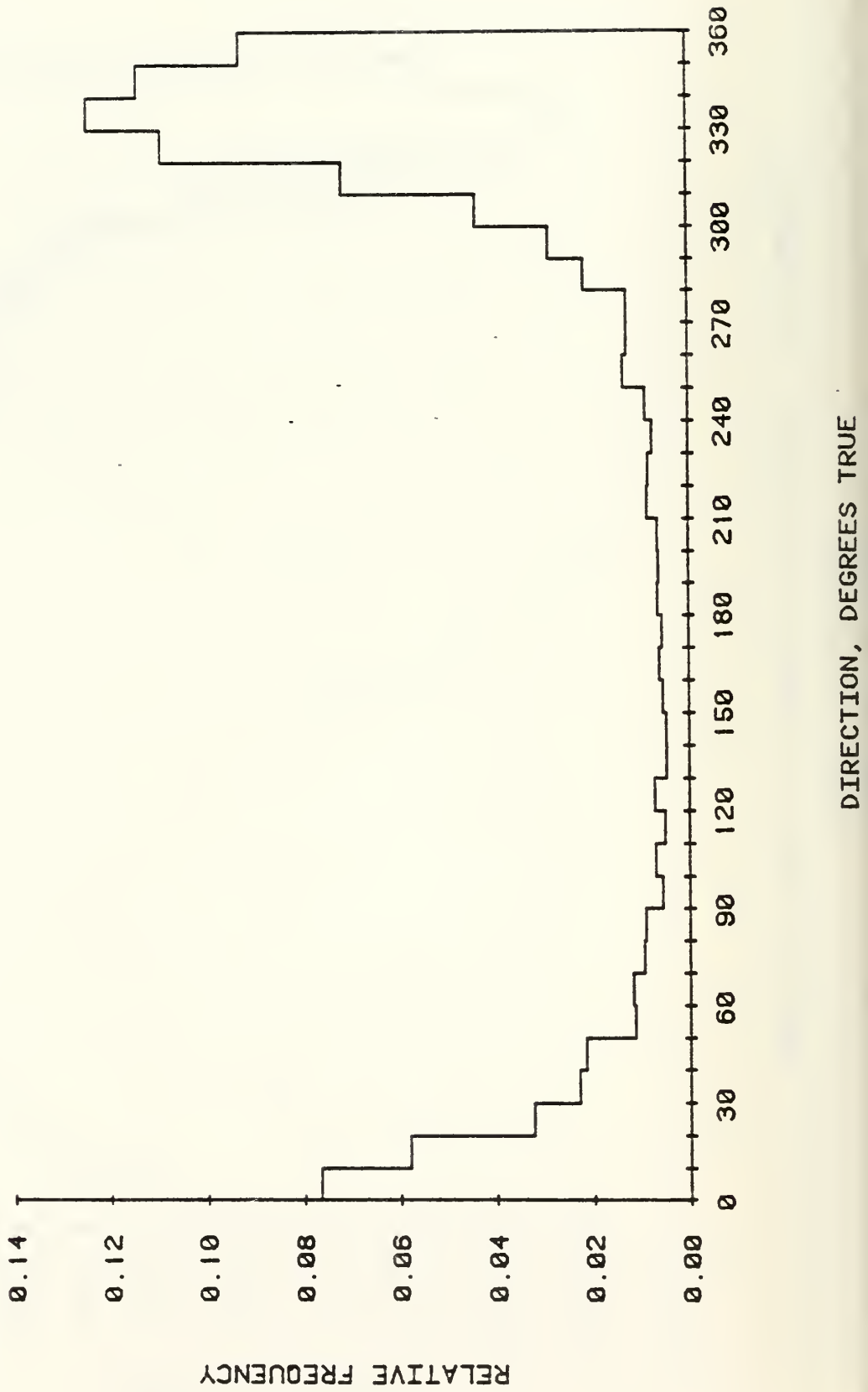
364 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 2759/2.



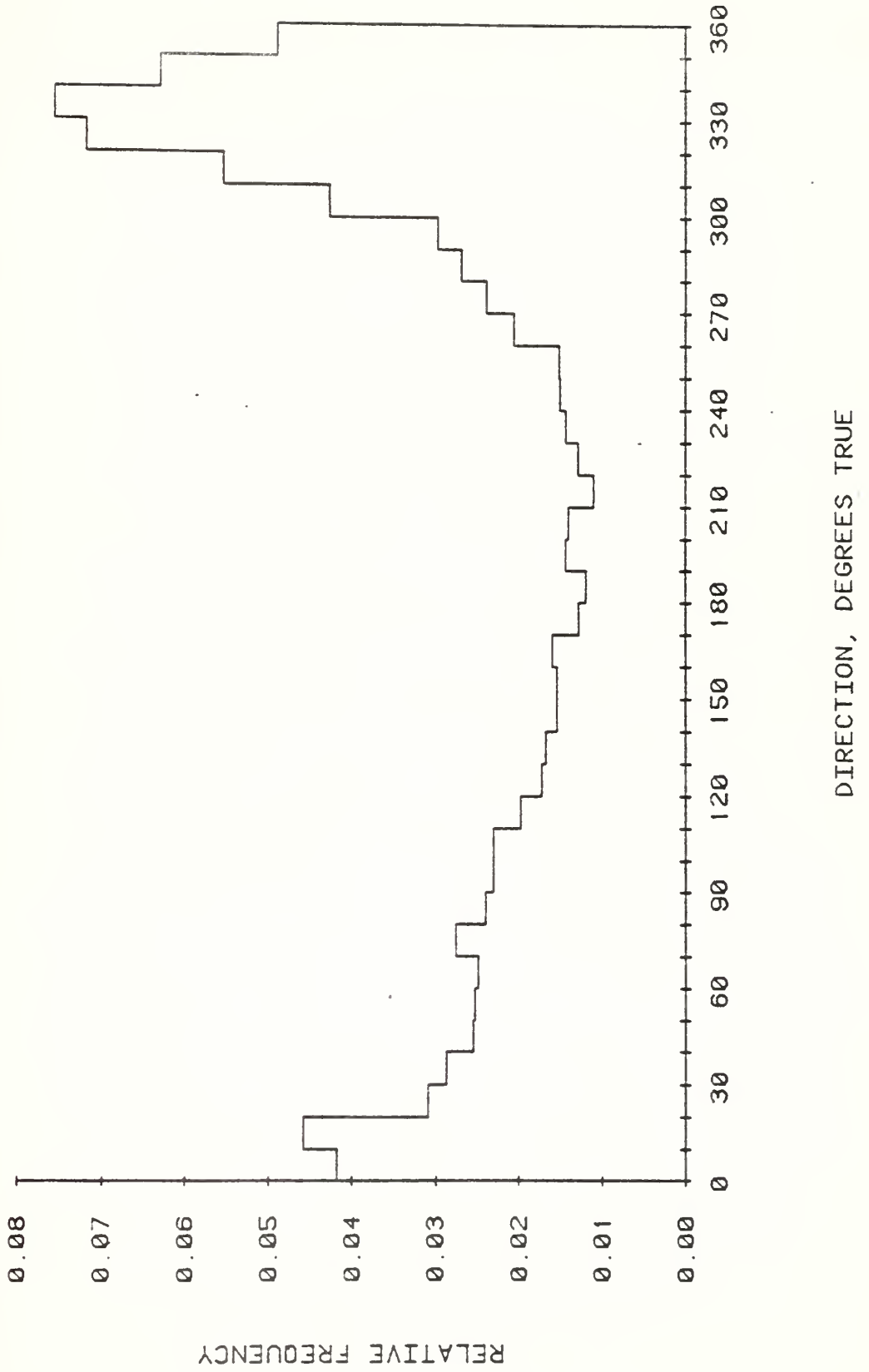
169 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 1965/3.



241 M AT STN 2. 24 APR 79 - 13 JUN 79. TAPE 1319/3.

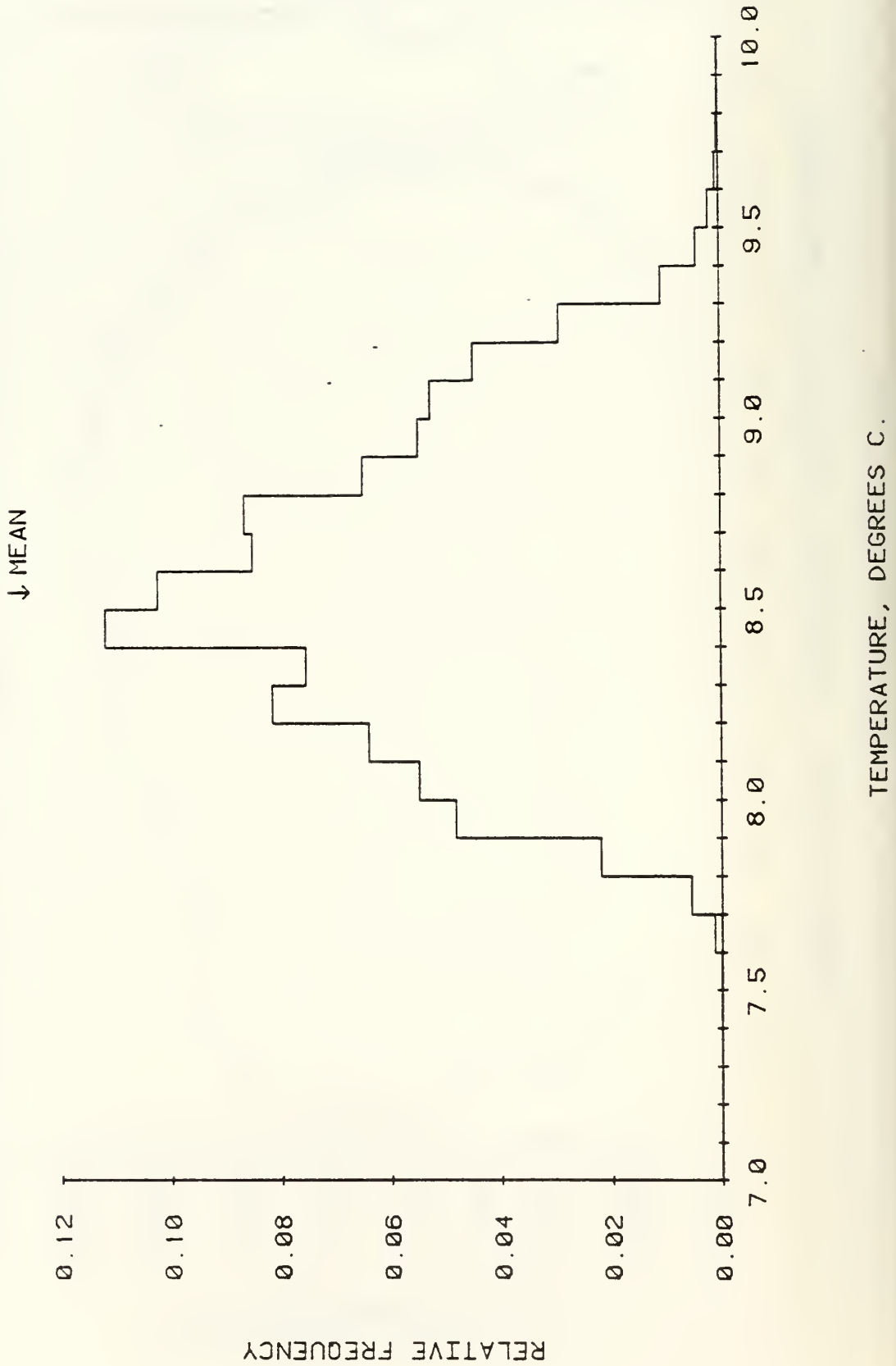


364 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 2759/2.

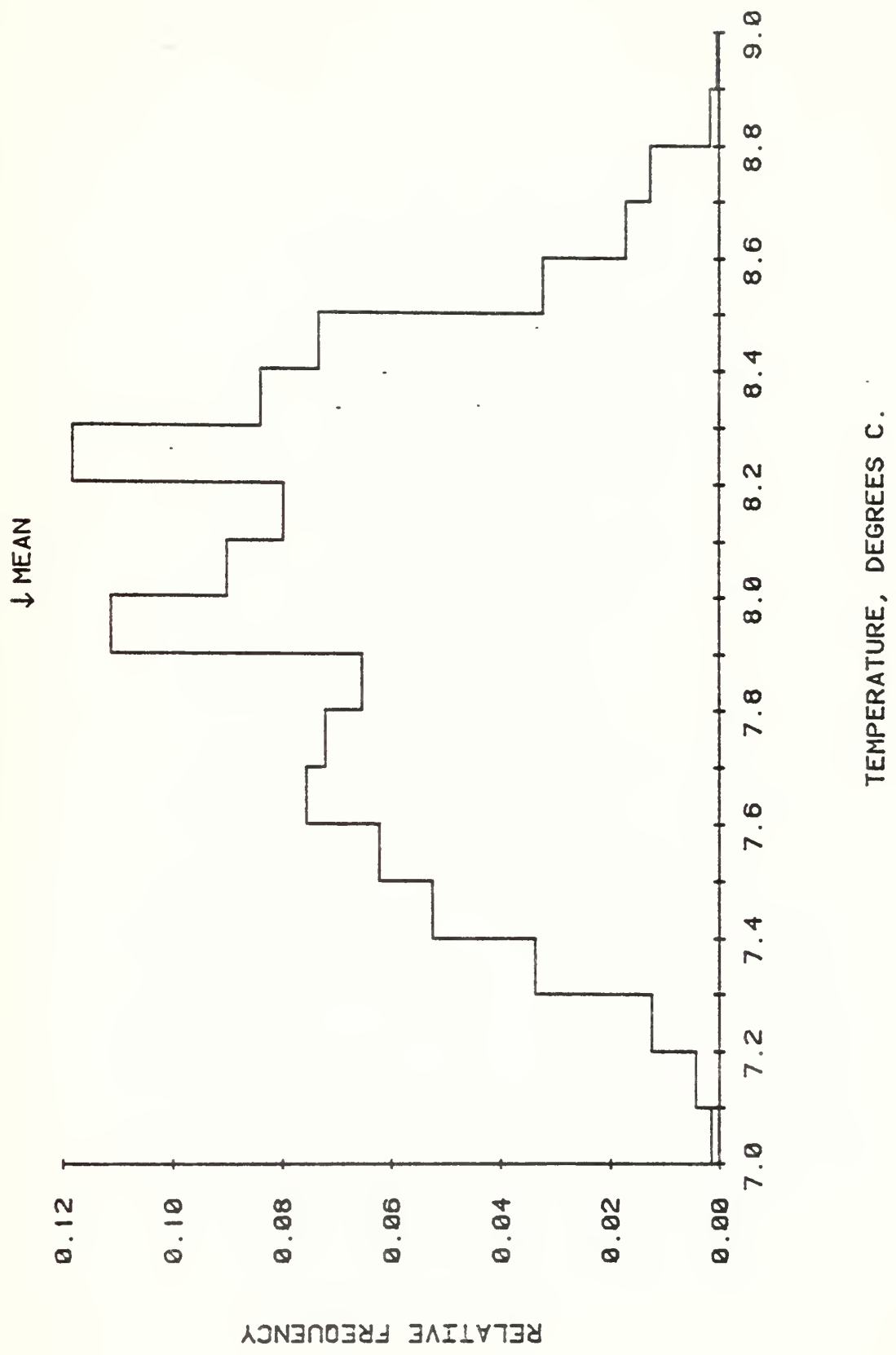




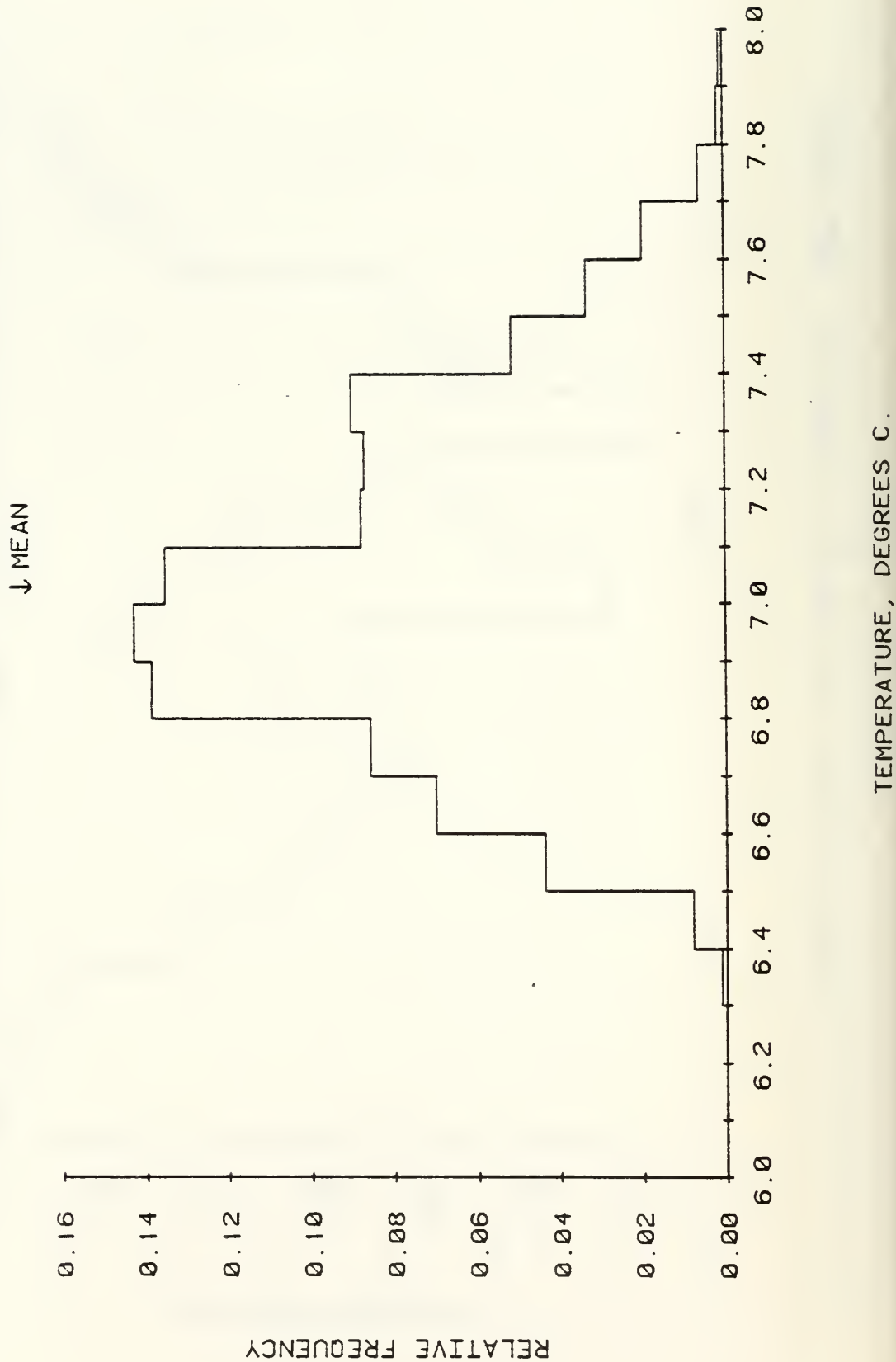
169 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 1965/3.



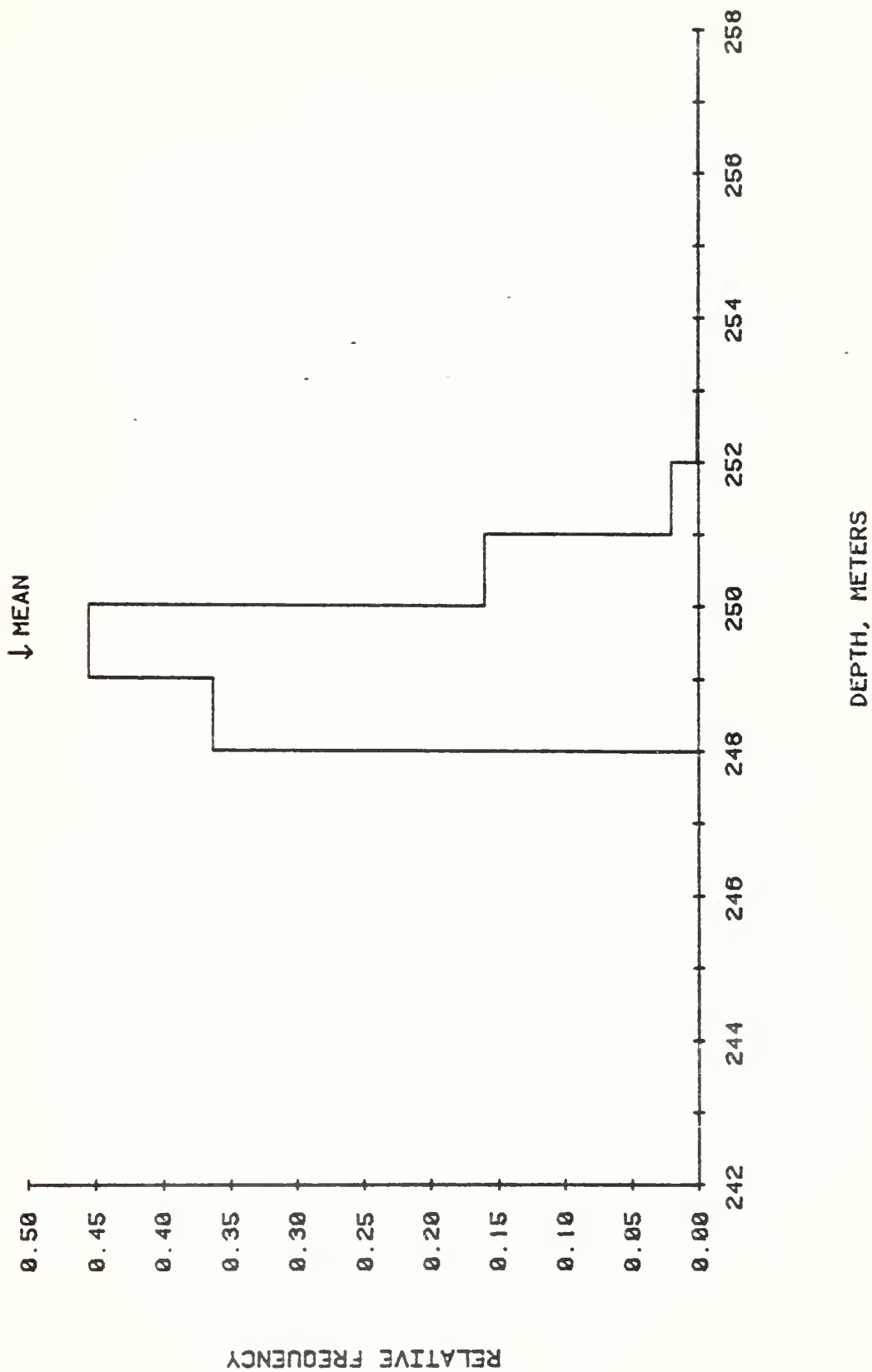
241 M AT STN 2. 24 APR 79 - 13 JUN 79. TAPE 1319/3.



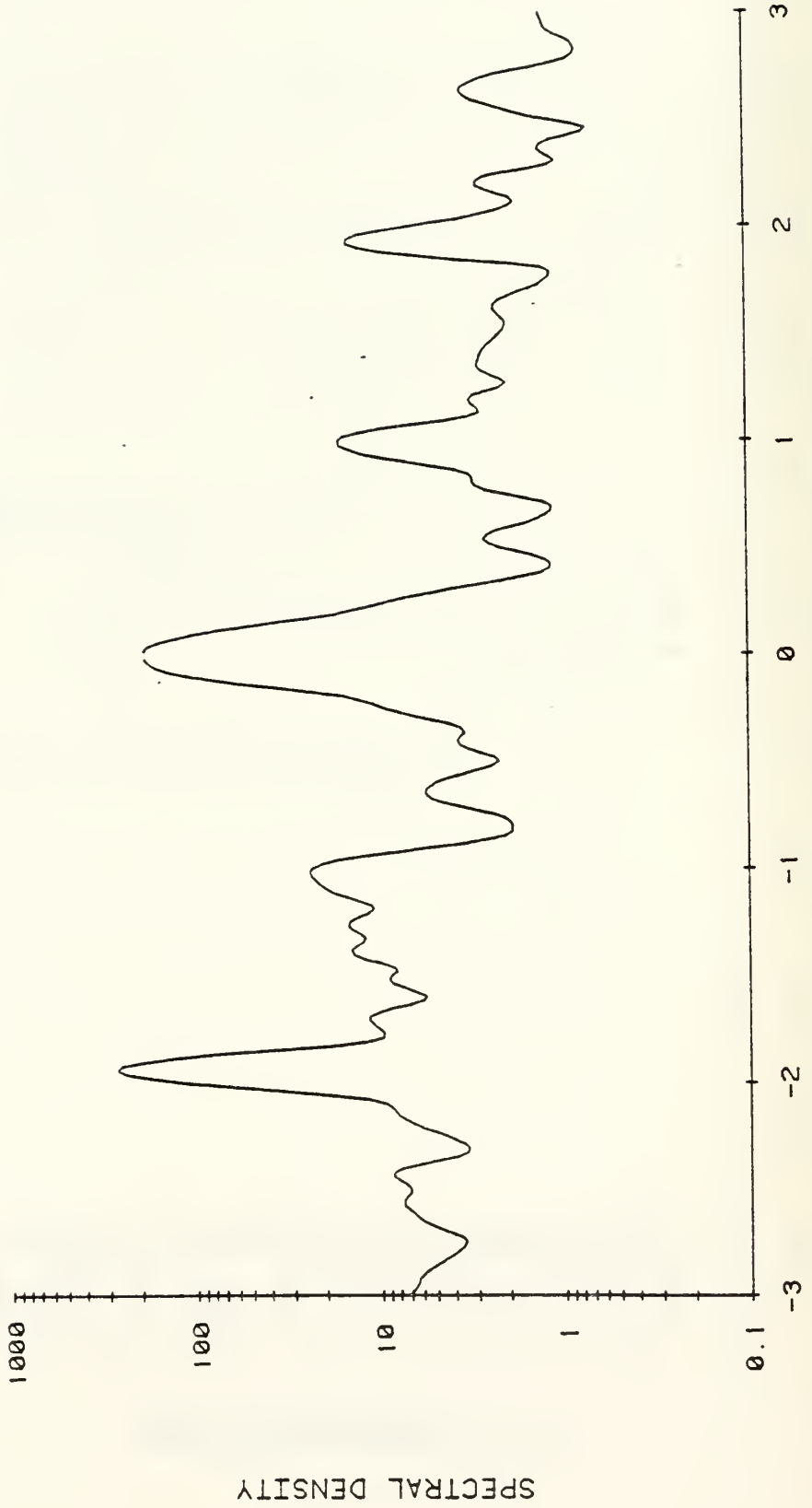
364 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 2759/2.



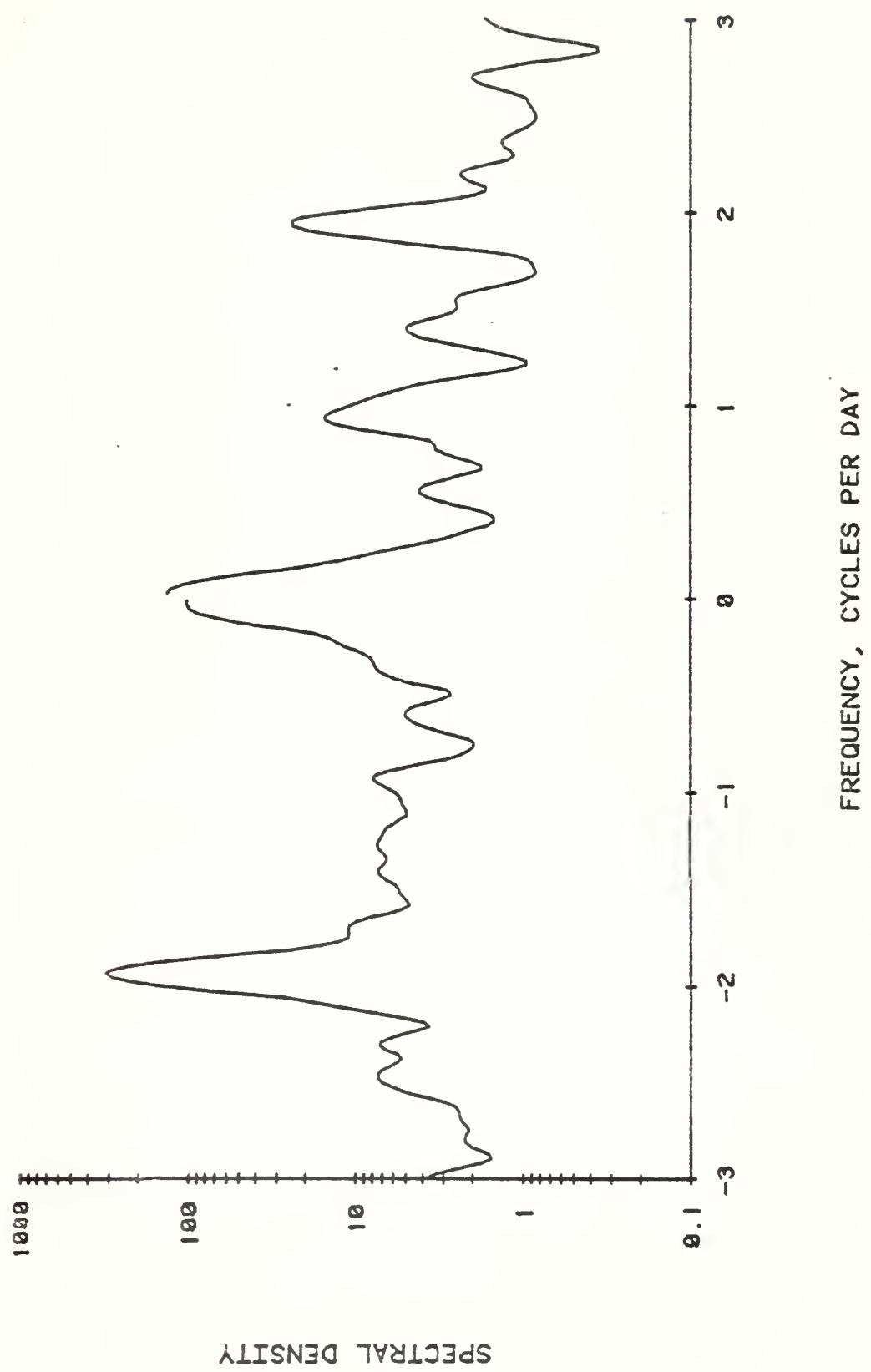
241 M AT STN 2. 24 APR 79 - 13 JUN 79. TAPE 1319/3.



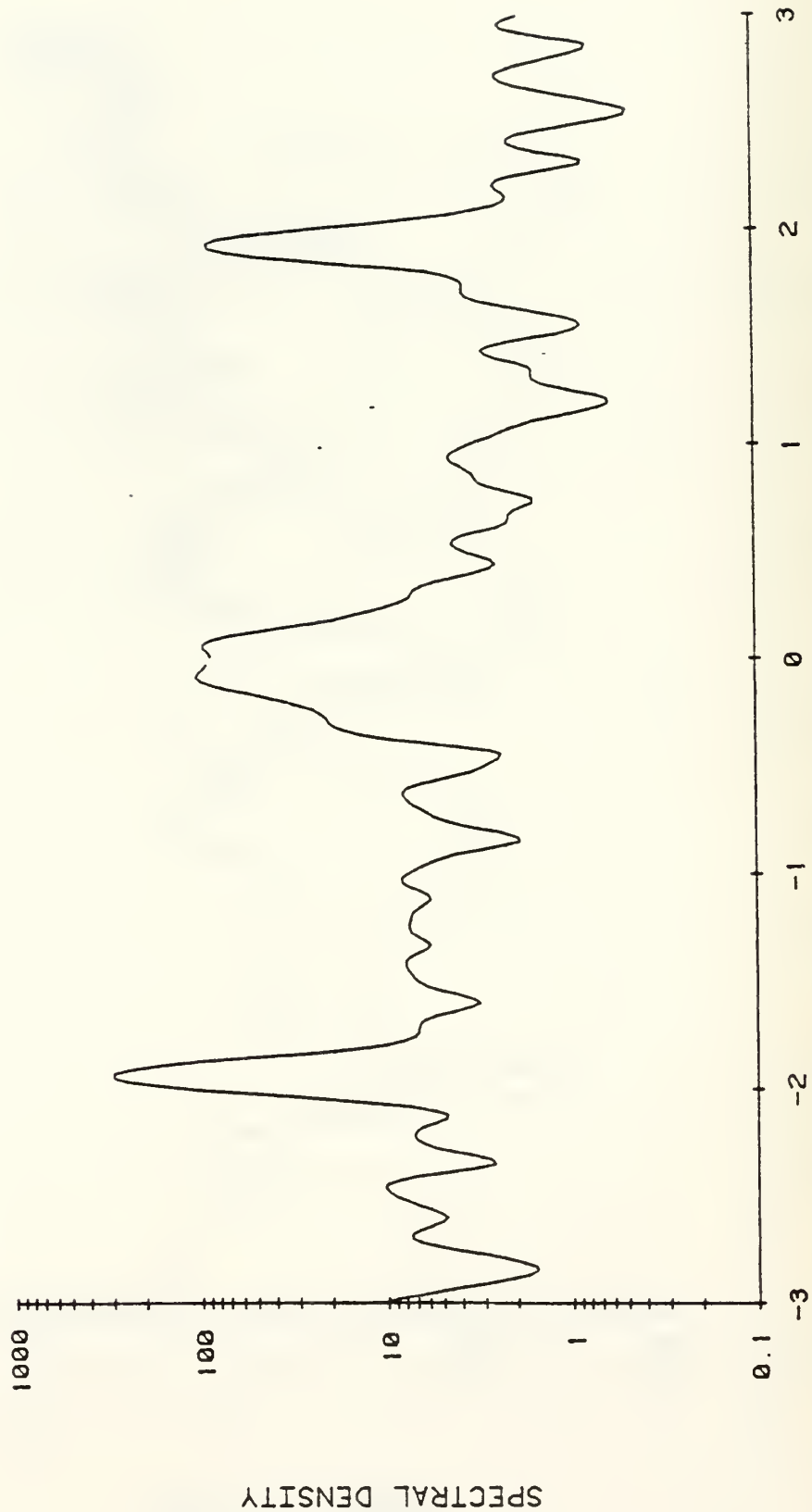
169 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 1965/3.



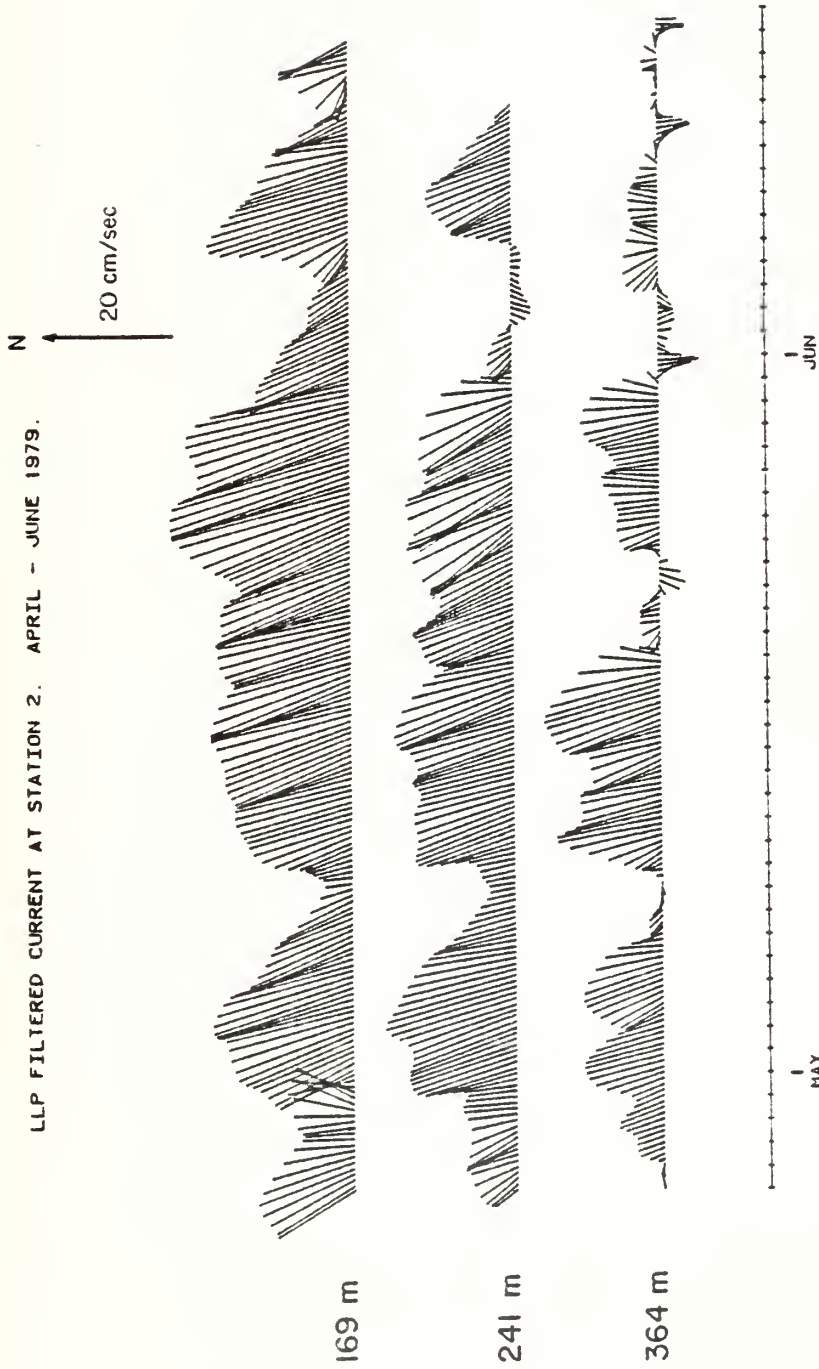
241 M AT STN 2. 24 APR 79 - 13 JUN 79. TAPE 1319/3.



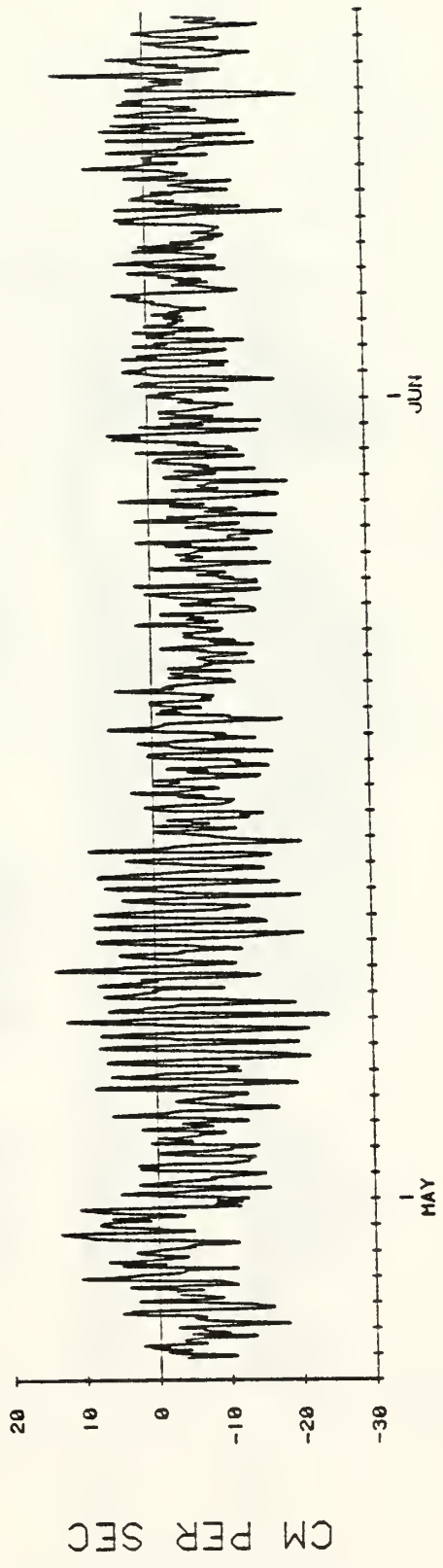
364 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 2759/2.



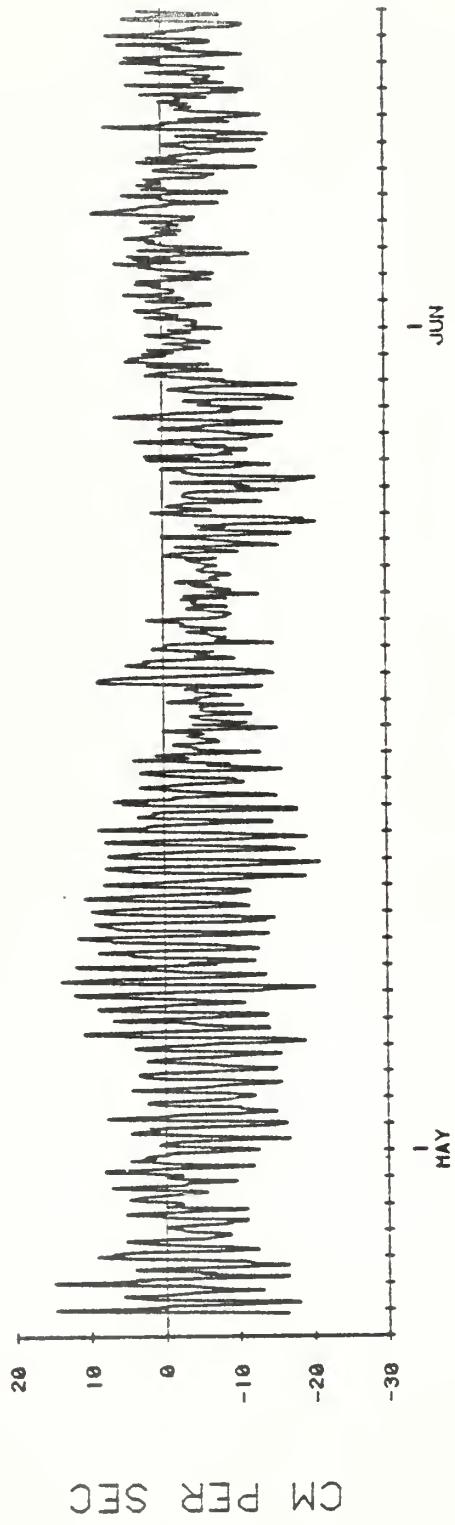
LLP FILTERED CURRENT AT STATION 2. APRIL - JUNE 1979.



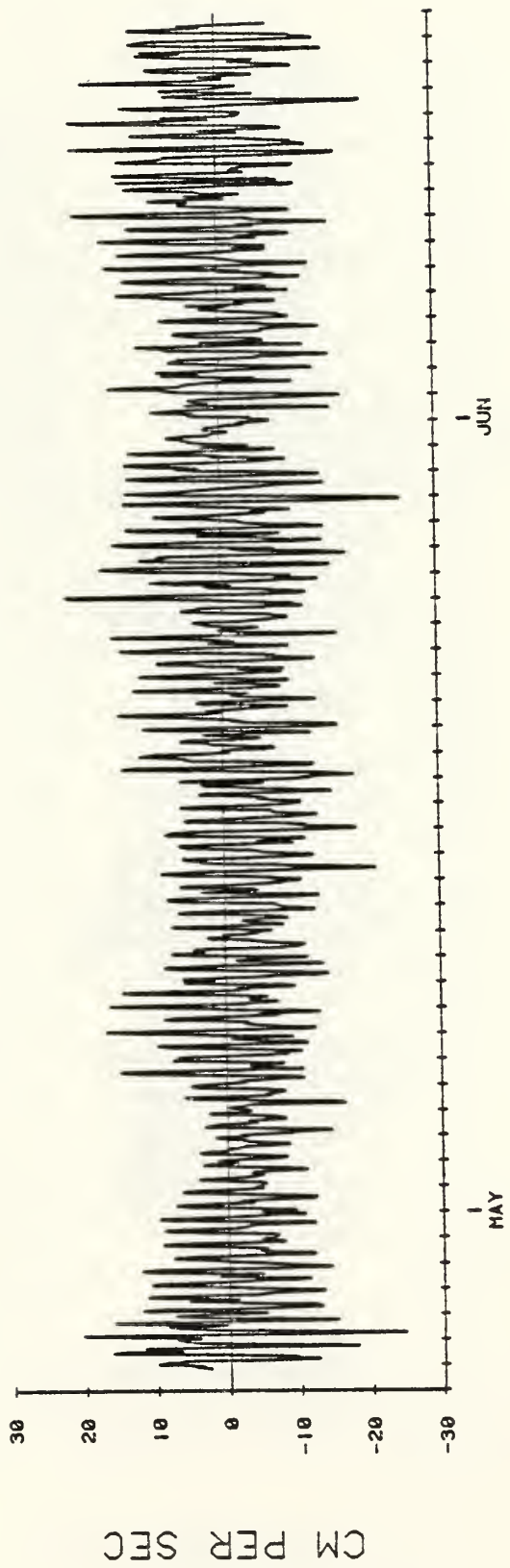




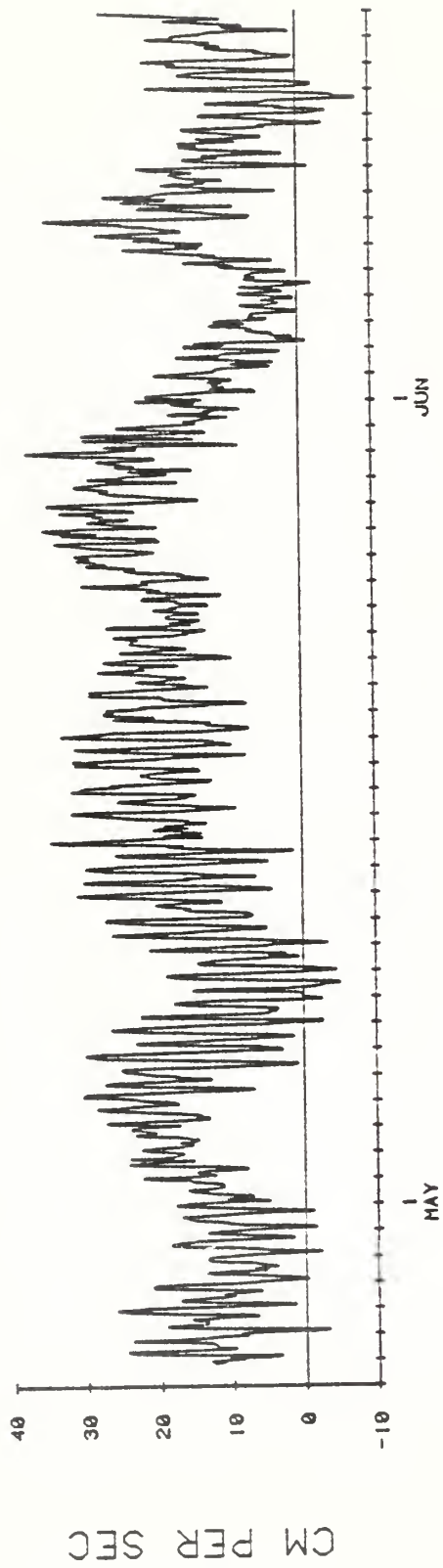
U COMPONENT . 169 M AT STN 2.



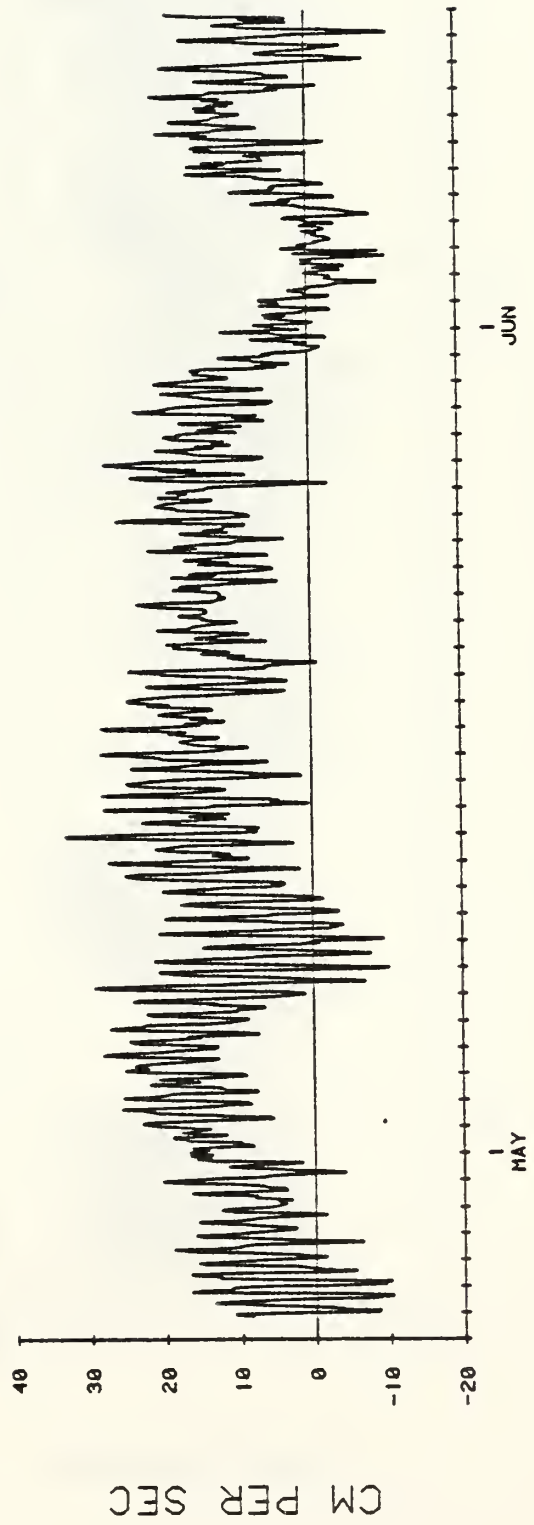
U COMPONENT . 241 M AT STN 2 .



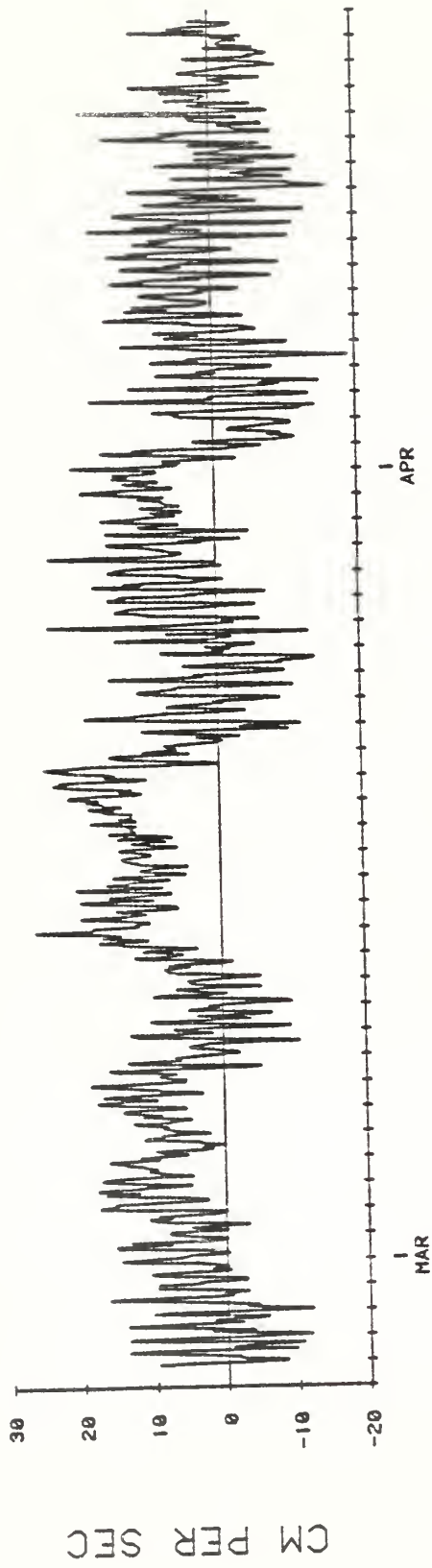
U COMPONENT. 364 M AT STN 2.



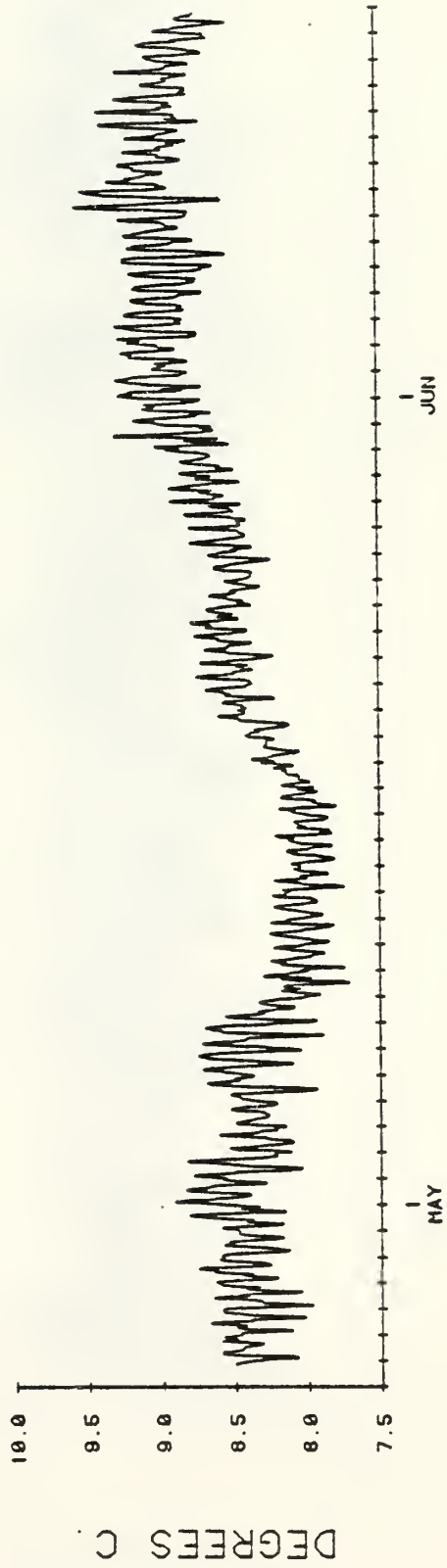
V COMPONENT . 169 M AT STN 2.



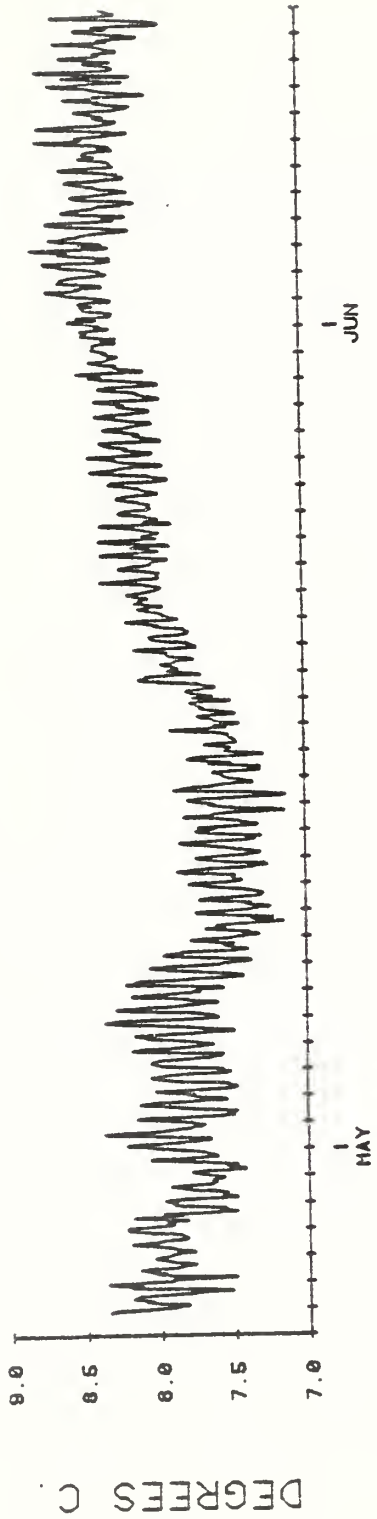
V COMPONENT. 241 M AT STN 2.



V COMPONENT. 364 M AT STN 2.

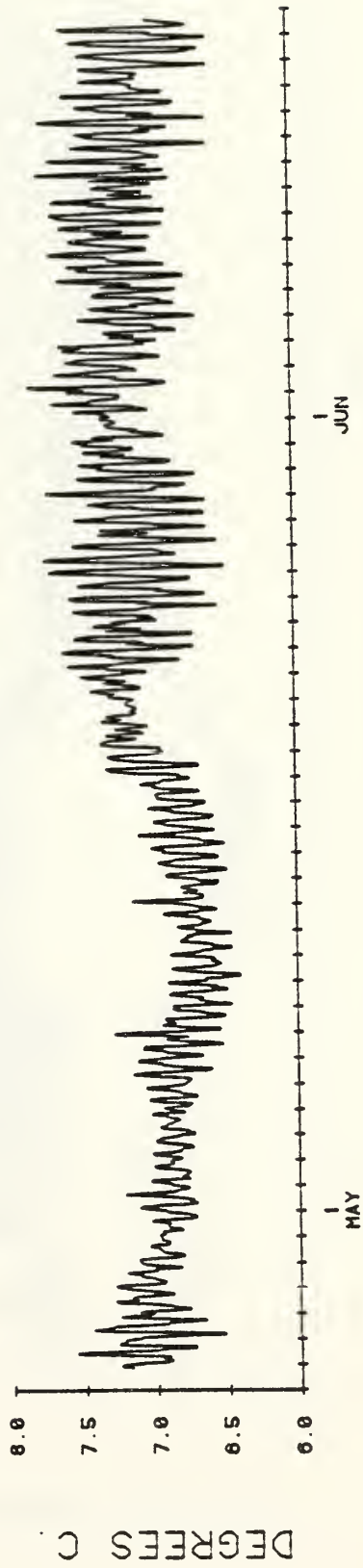


TEMPERATURE. 169 M AT STN 2.

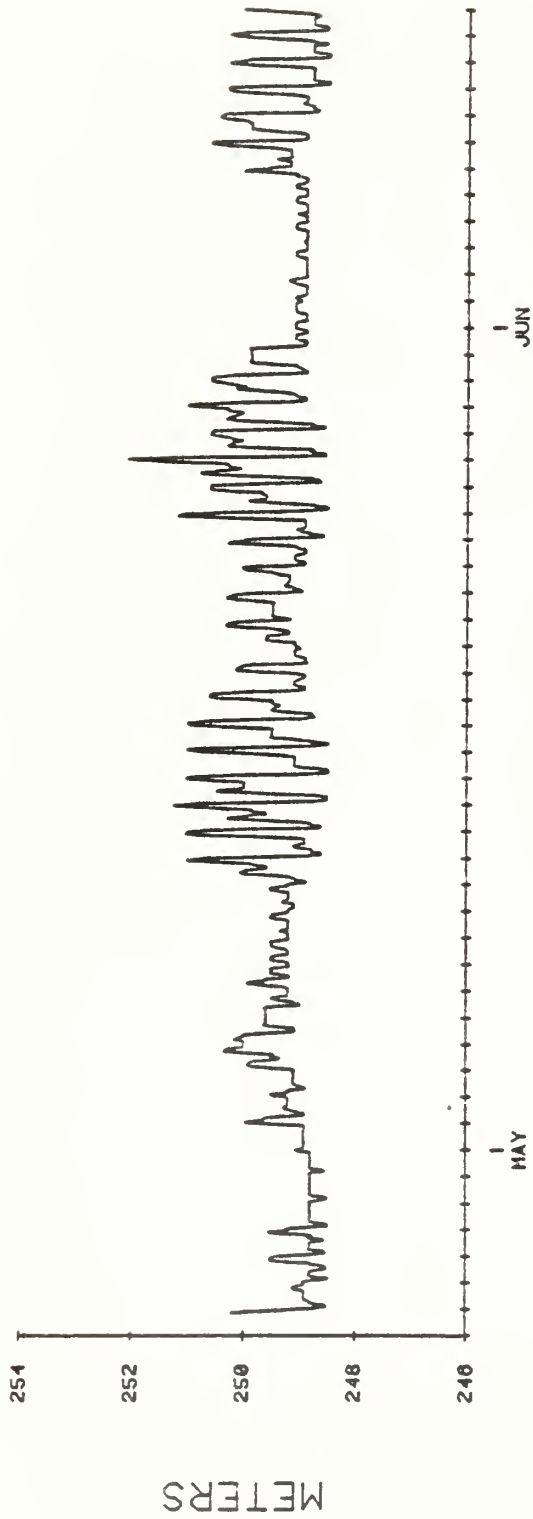


TEMPERATURE. 241 M AT STN 2.





TEMPERATURE. 364 M AT STN 2.



DEPTH (FROM PRESSURE) OF RCM 1319 AT STN 2.

STATION 7 - 35° 50.4'N, 121° 46.0'W  
 9 JUL 79 - 2 SEP 79

Record #16, Depth 158 m

	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	15.39	8.13	0.83	3.61	0.80	48.00	401
U(cm/s)	-1.02	14.47	0.58	3.15	-35.10	47.30	401
V(cm/s)	4.25	8.64	-0.66	3.62	-27.00	22.60	401
T(°C)	9.04	0.24	0.36	2.21	8.49	9.61	401

Record #17, Depth 231 m

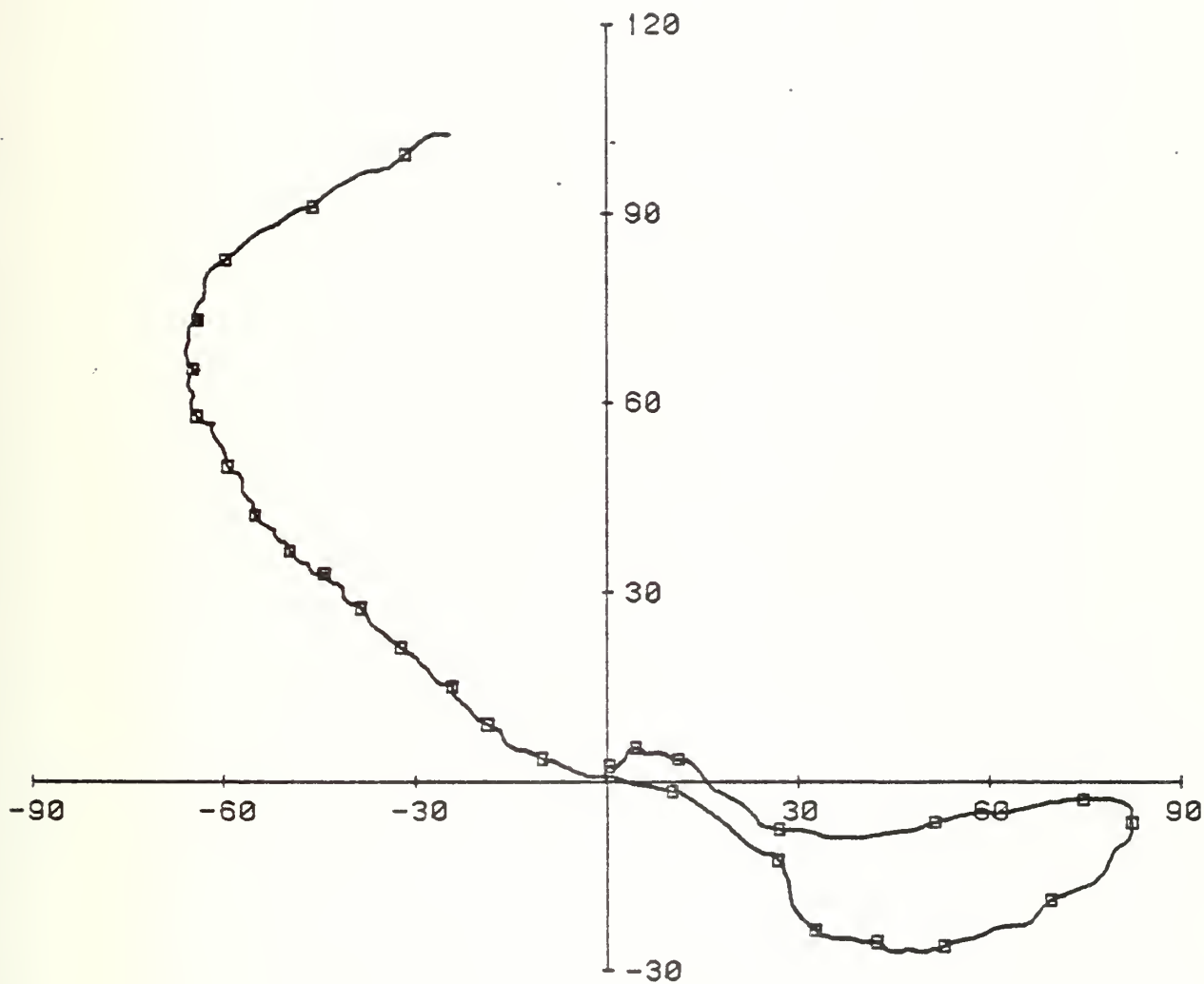
S(cm/s)	11.67	5.98	0.56	2.96	0.80	33.10	789
U(cm/s)	-2.90	3.29	0.05	3.56	-29.30	26.70	789
V(cm/s)	4.05	8.86	-0.44	2.88	-24.20	27.00	789
T(°C)	8.30	0.26	0.36	4.75	7.51	9.41	789

Record #18, Depth 356 m

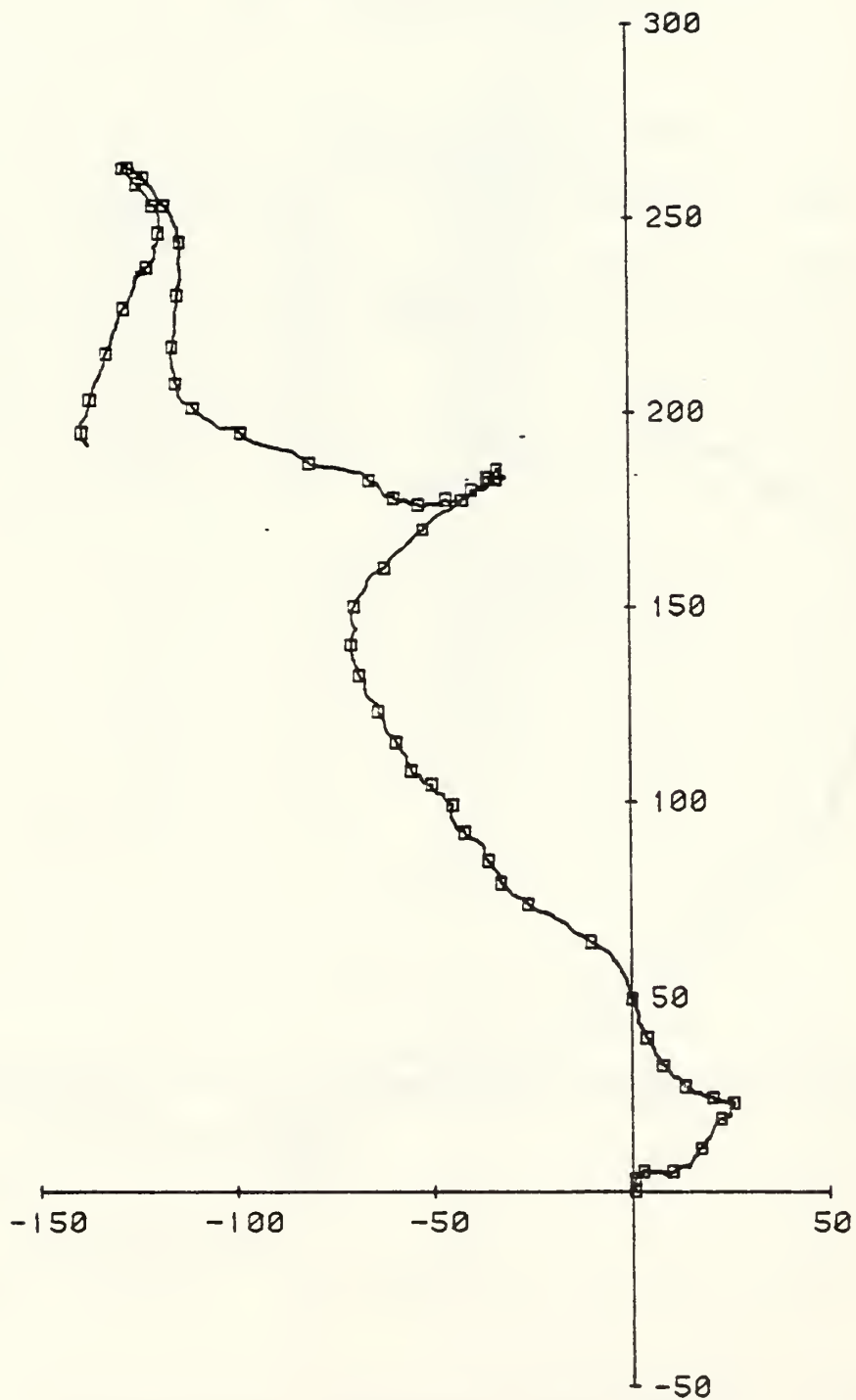
S(cm/s)	7.35	4.88	0.59	3.18	0.80	27.30	781
U(cm/s)	-1.40	5.40	0.41	5.17	-21.00	25.00	781
V(cm/s)	2.42	6.39	-0.11	2.92	-18.60	23.80	781
T(°C)	7.52	0.31	-0.61	2.53	6.54	8.20	781
Z(meters)	333.13	0.99	2.75	13.67	331.40	340.40	781

Record #19, Depth 555 m

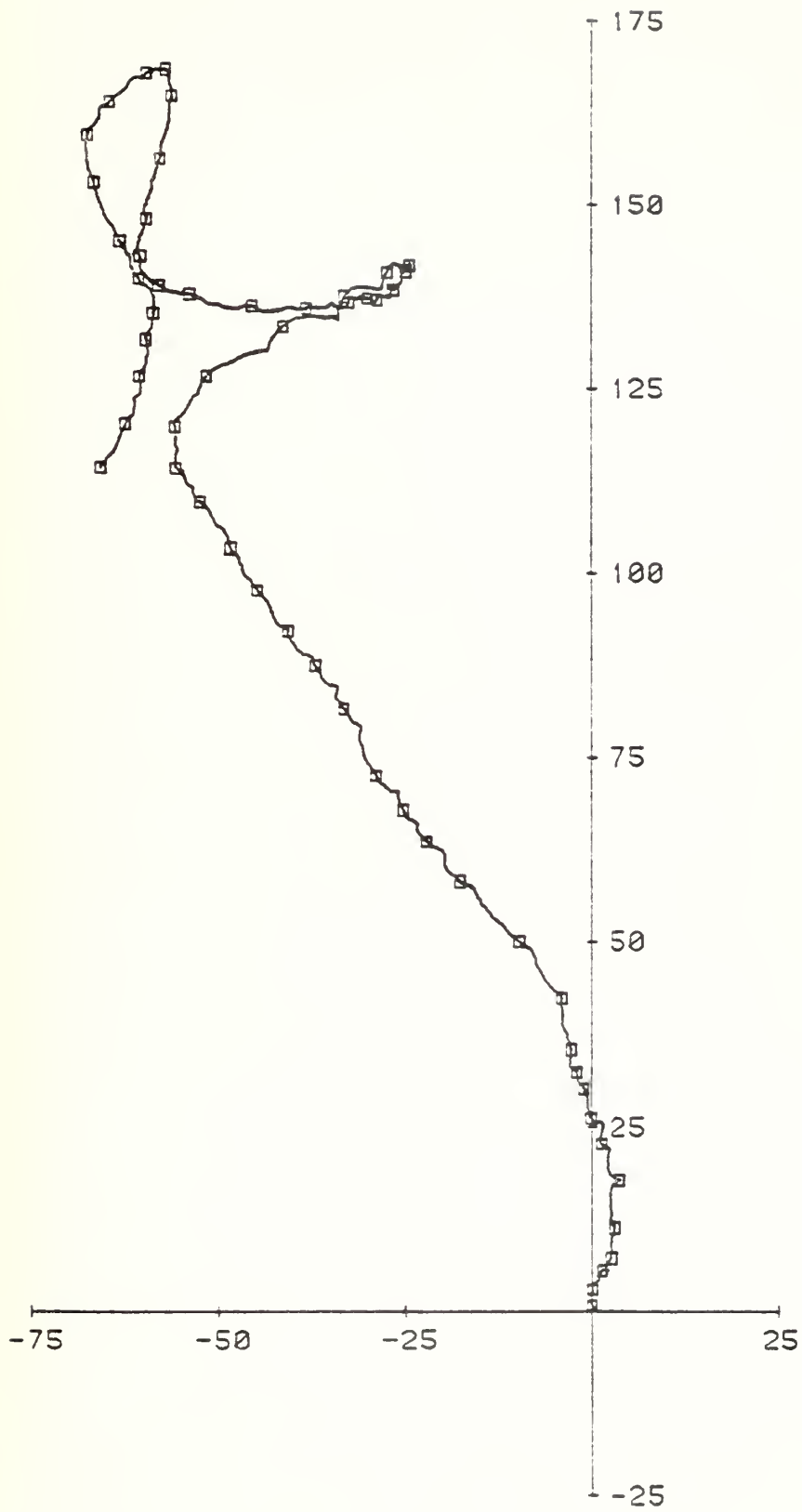
S(cm/s)	7.50	3.72	0.59	2.85	0.80	20.50	735
U(cm/s)	-0.06	5.26	0.03	3.17	-17.00	18.50	735
V(cm/s)	1.52	6.33	0.00	2.69	-18.80	20.50	735
T(°C)	6.06	0.19	0.37	3.13	5.57	6.81	735



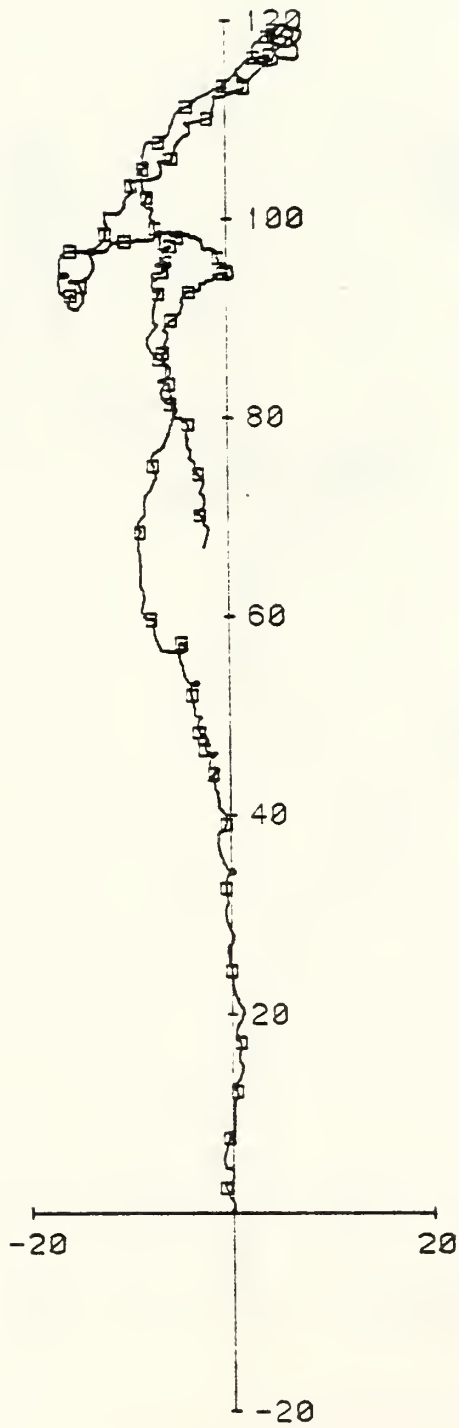
158 M AT STN 7. 9 JUL 79 - 6 AUG 79. TAPE 2760/D.



231 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 842/9.

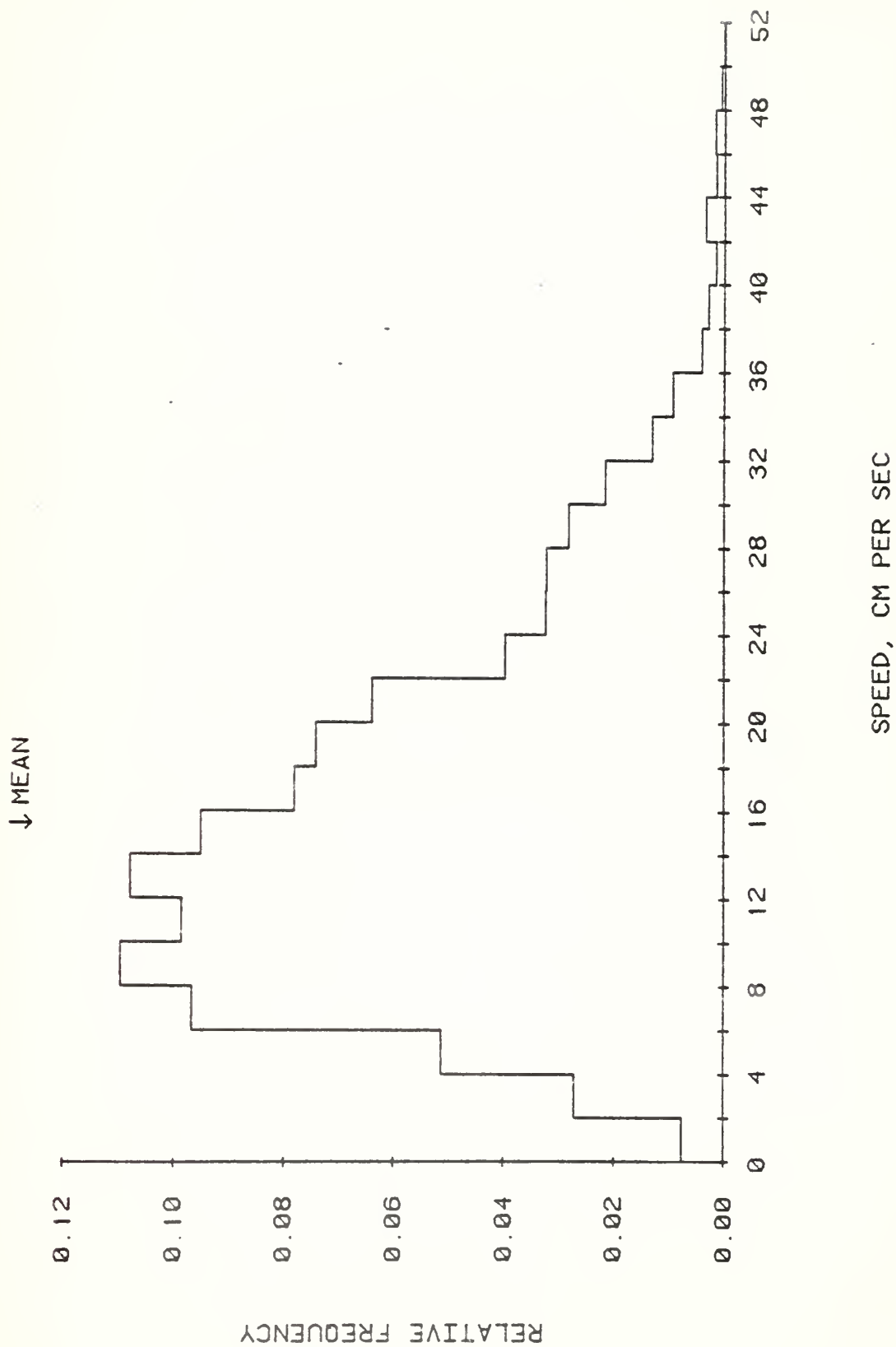


356 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 762/12.



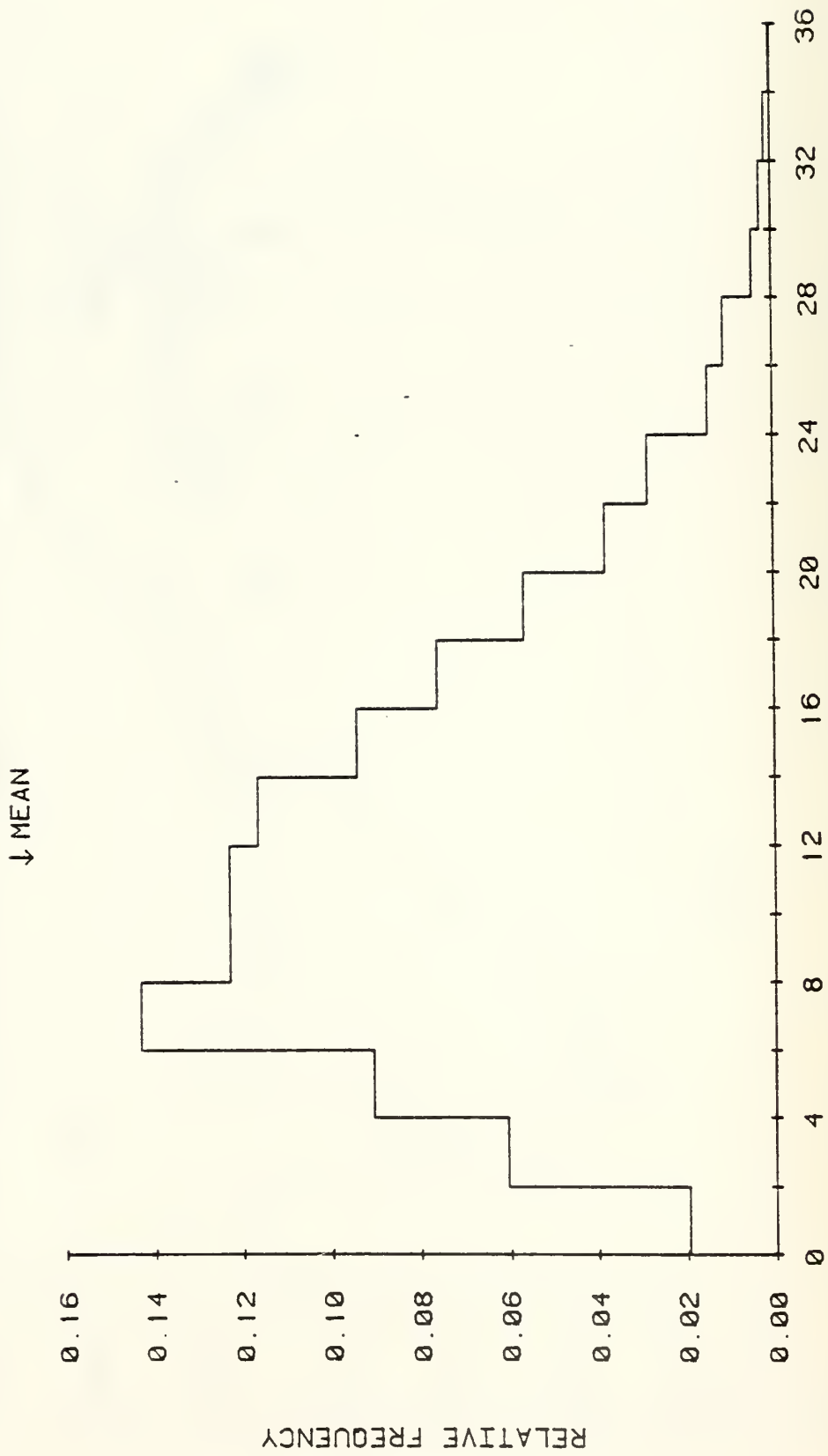
555 M AT STN 7. 9 JUL 79 - 29 AUG 79. TAPE 1495/

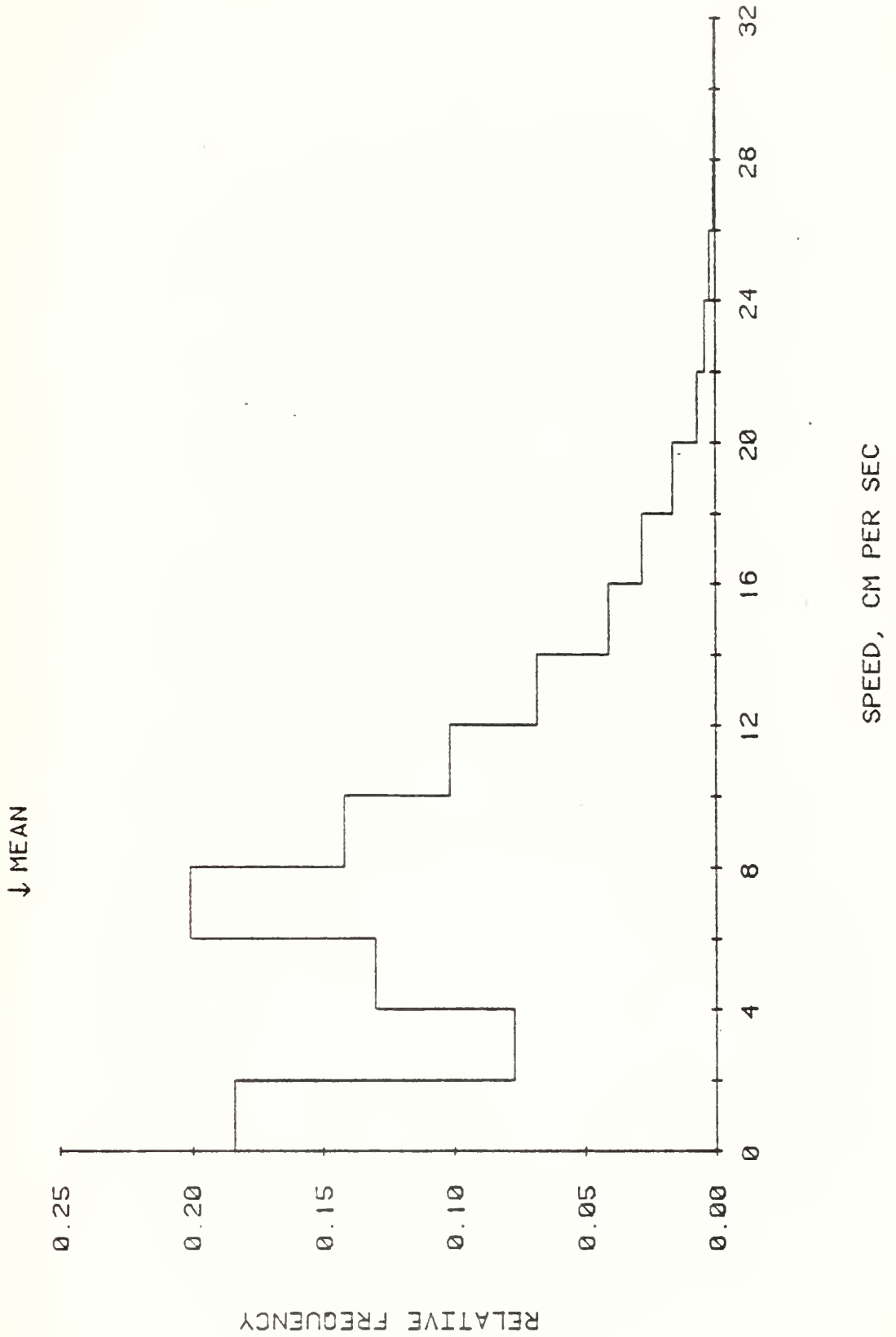
158 M AT STN 7. 9 JUL 79 - 6 AUG 79. TAPE 2760/D.



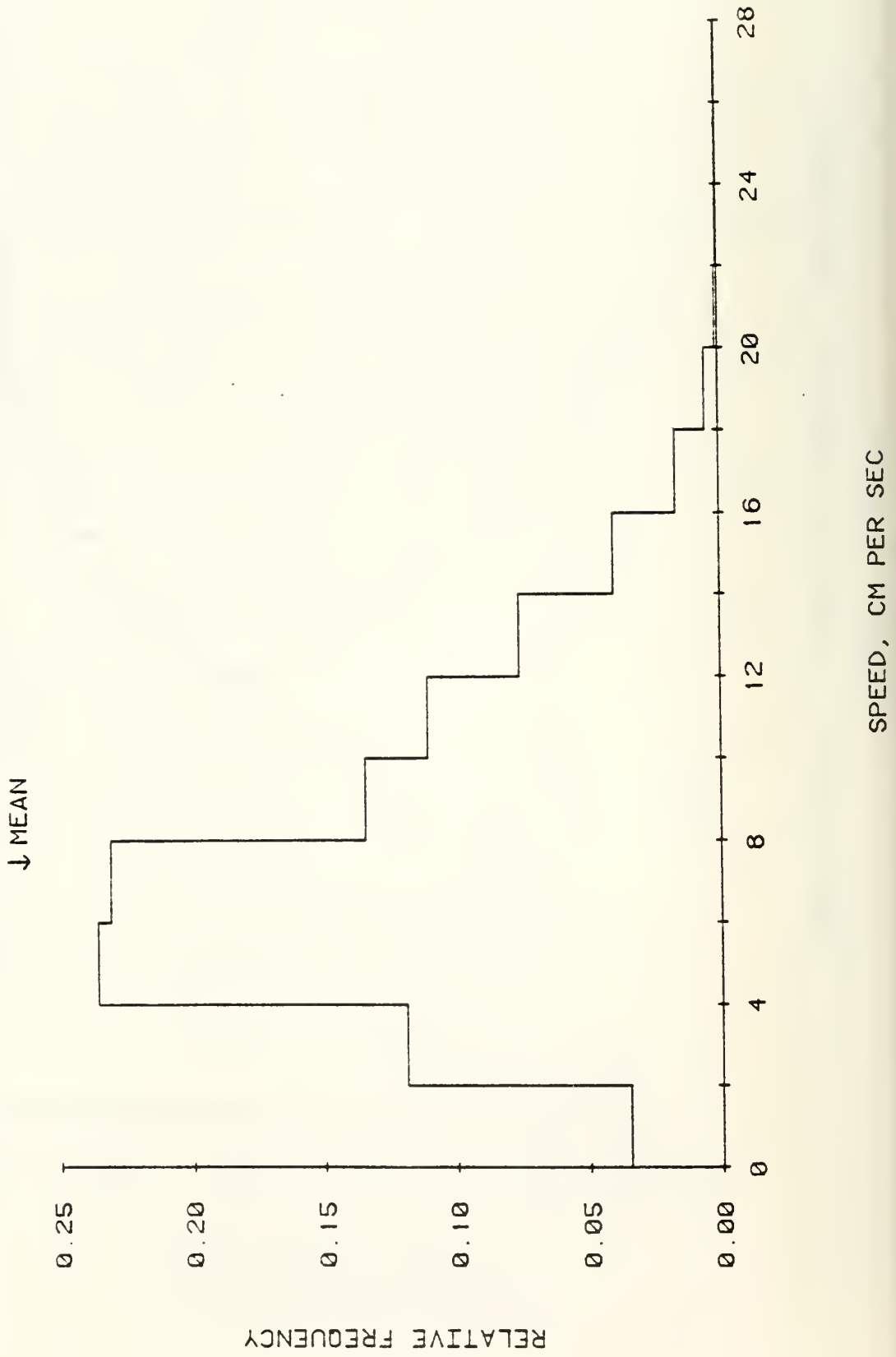


231 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 842/9.

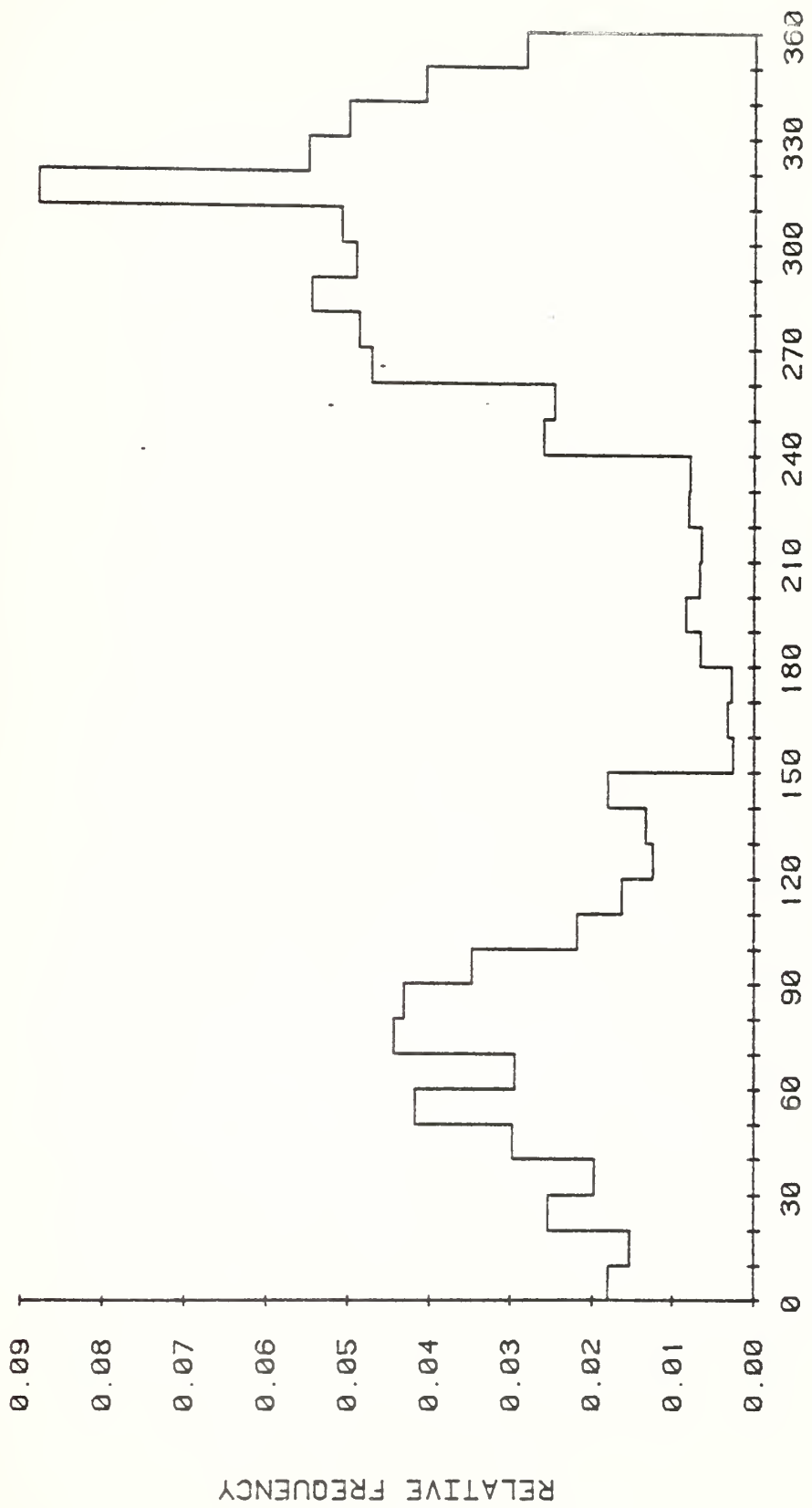




555 M AT STN 7. 9 JUL 79 - 29 AUG 79. TAPE 1495/4.

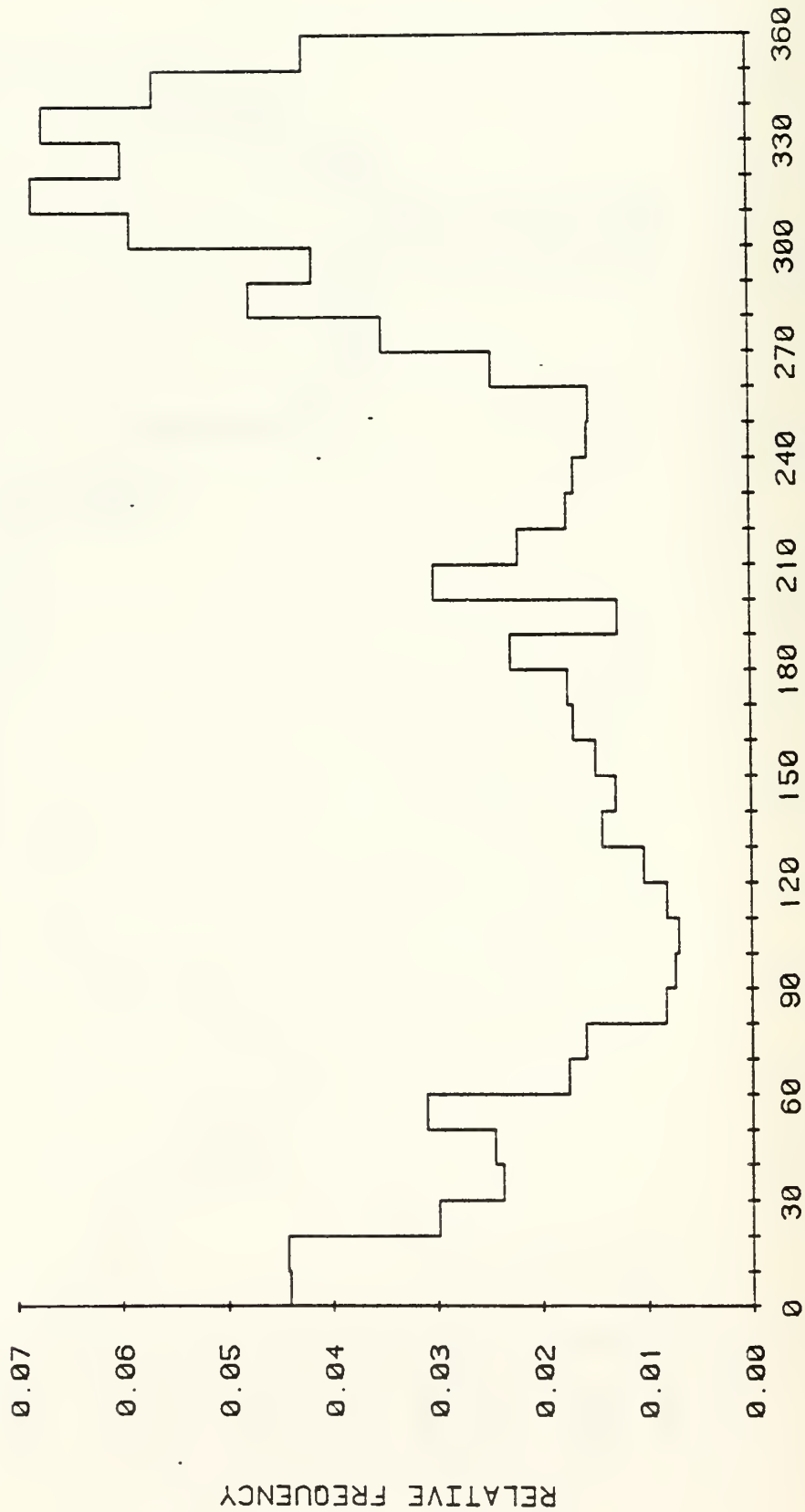


158 M AT STN 7. 9 JUL 79 - 6 AUG 79. TAPE 2760/D.



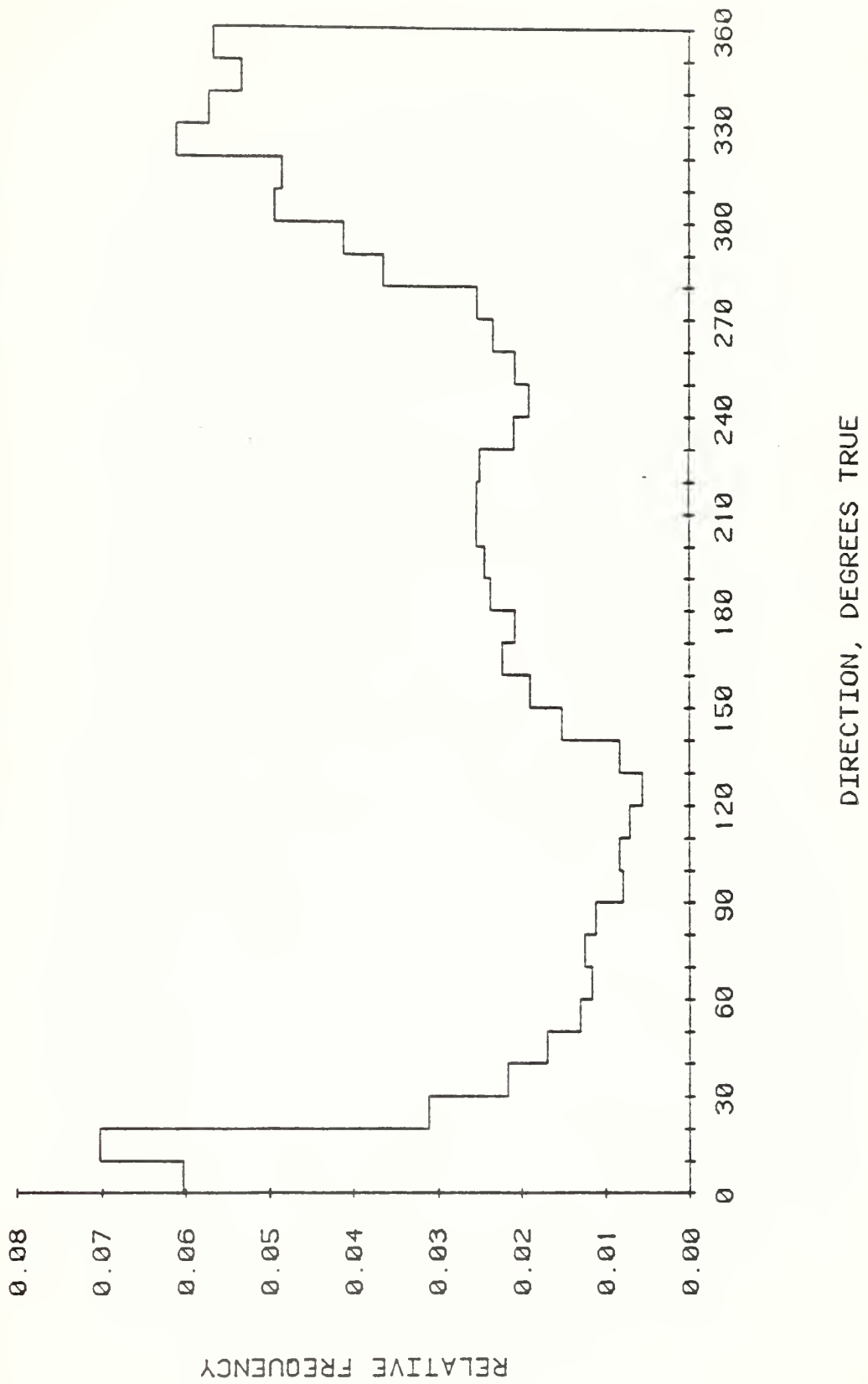
DIRECTION, DEGREES TRUE

231 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 842/9.

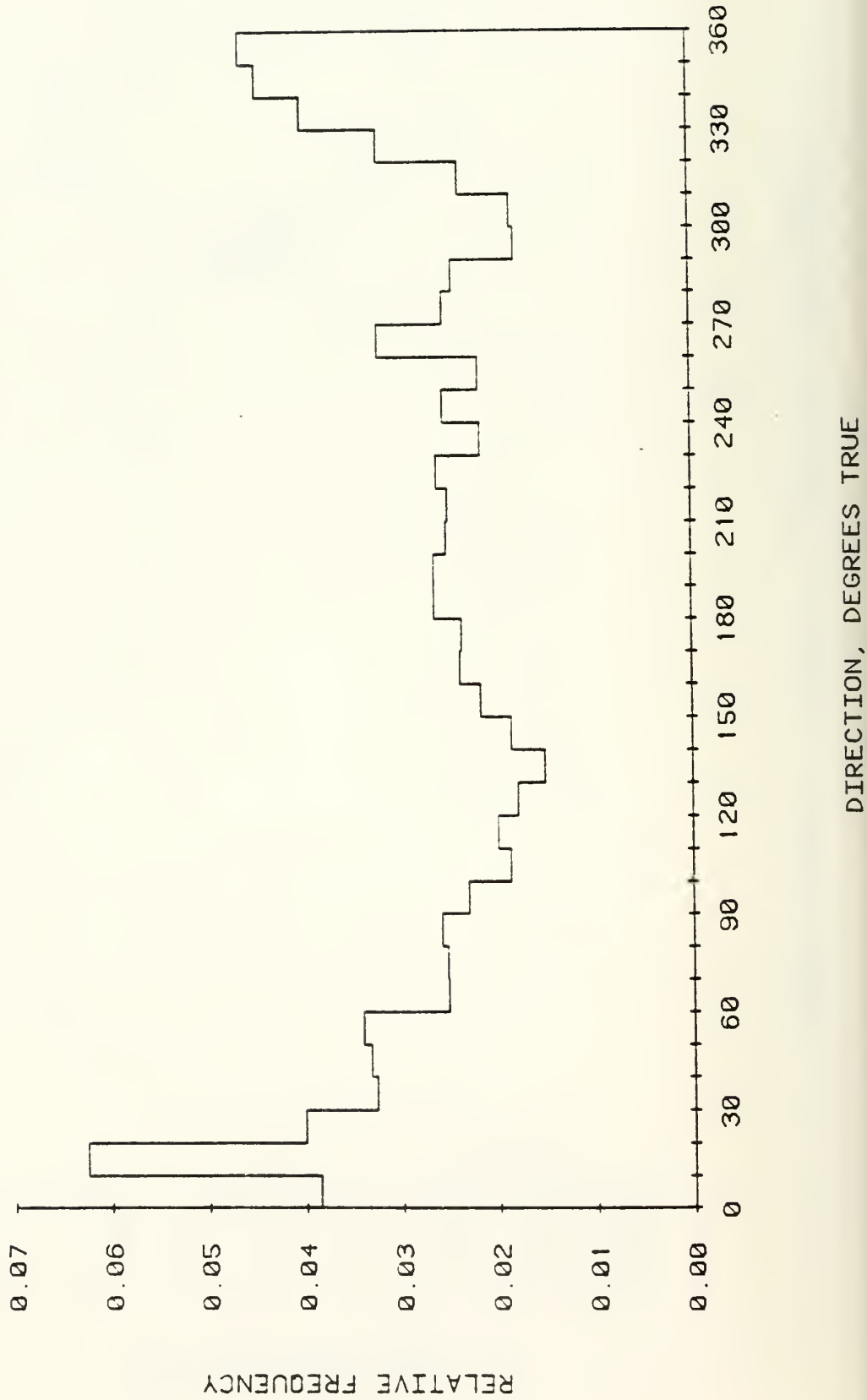


DIRECTION, DEGREES TRUE

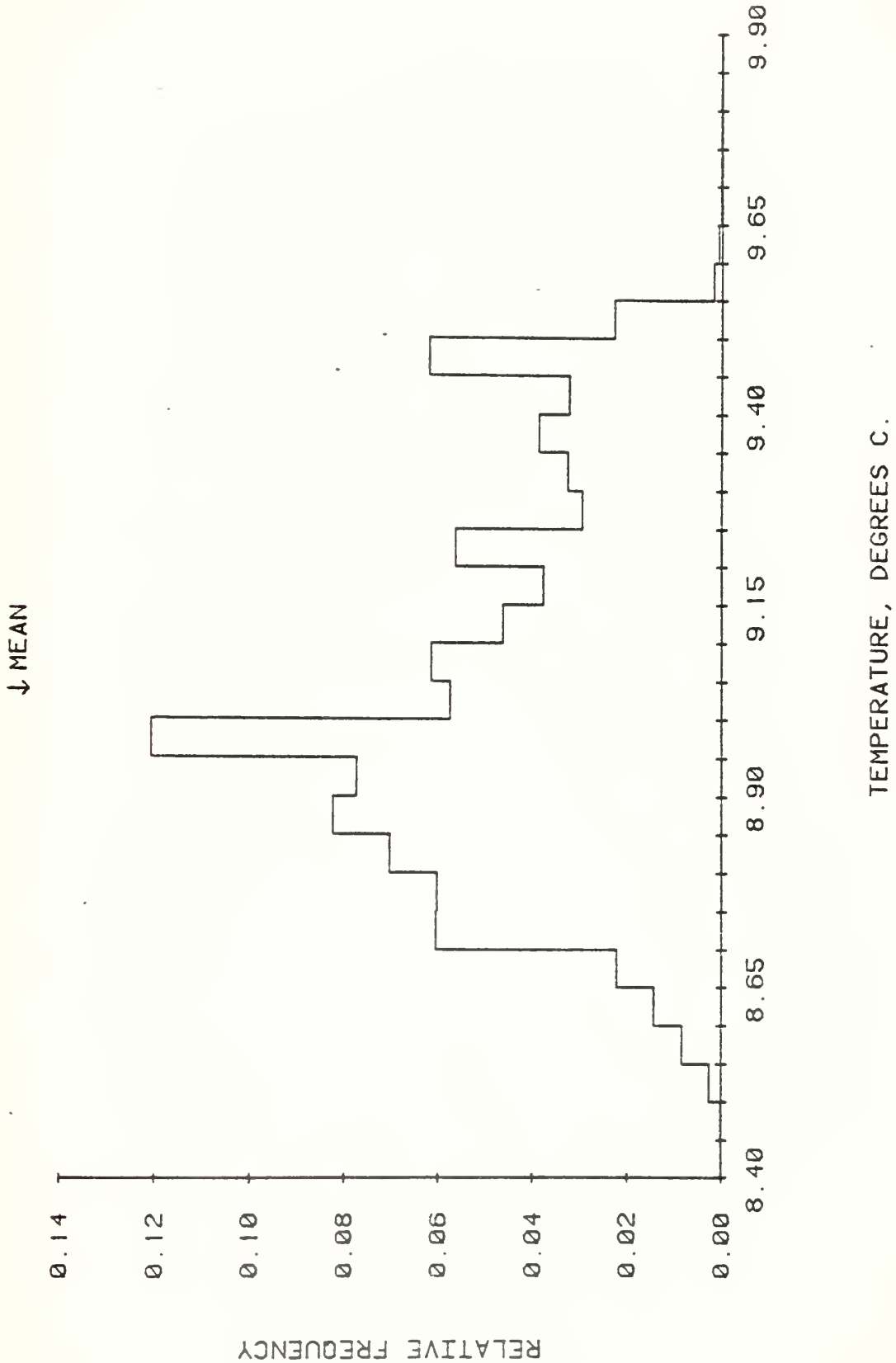
356 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 762/12.



555 M AT STN 7. 9 JUL 79 - 29 AUG 79. TAPE 1495/4.



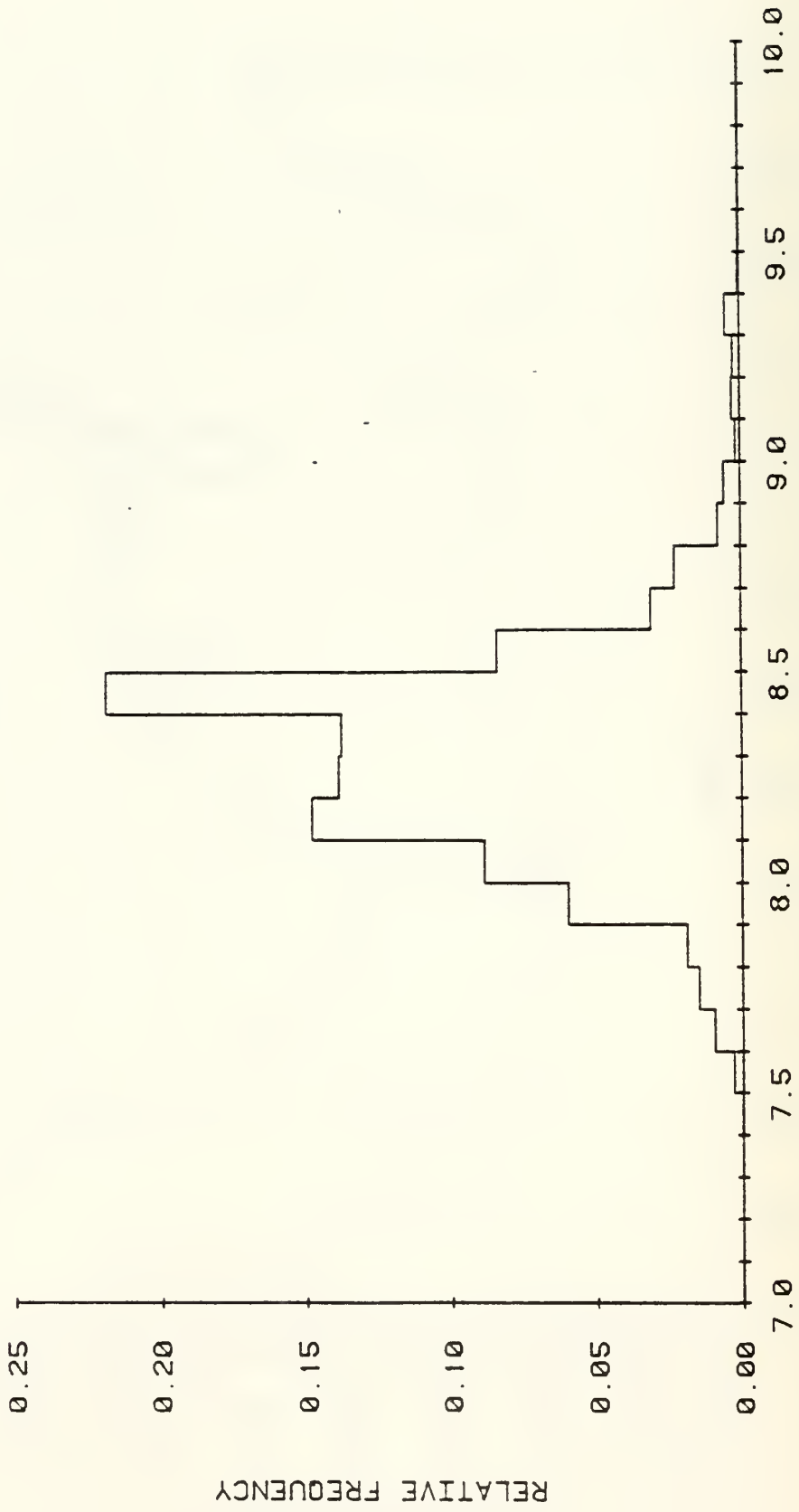
158 M AT STN 7. 9 JUL 79 - 6 AUG 79. TAPE 2760/D.





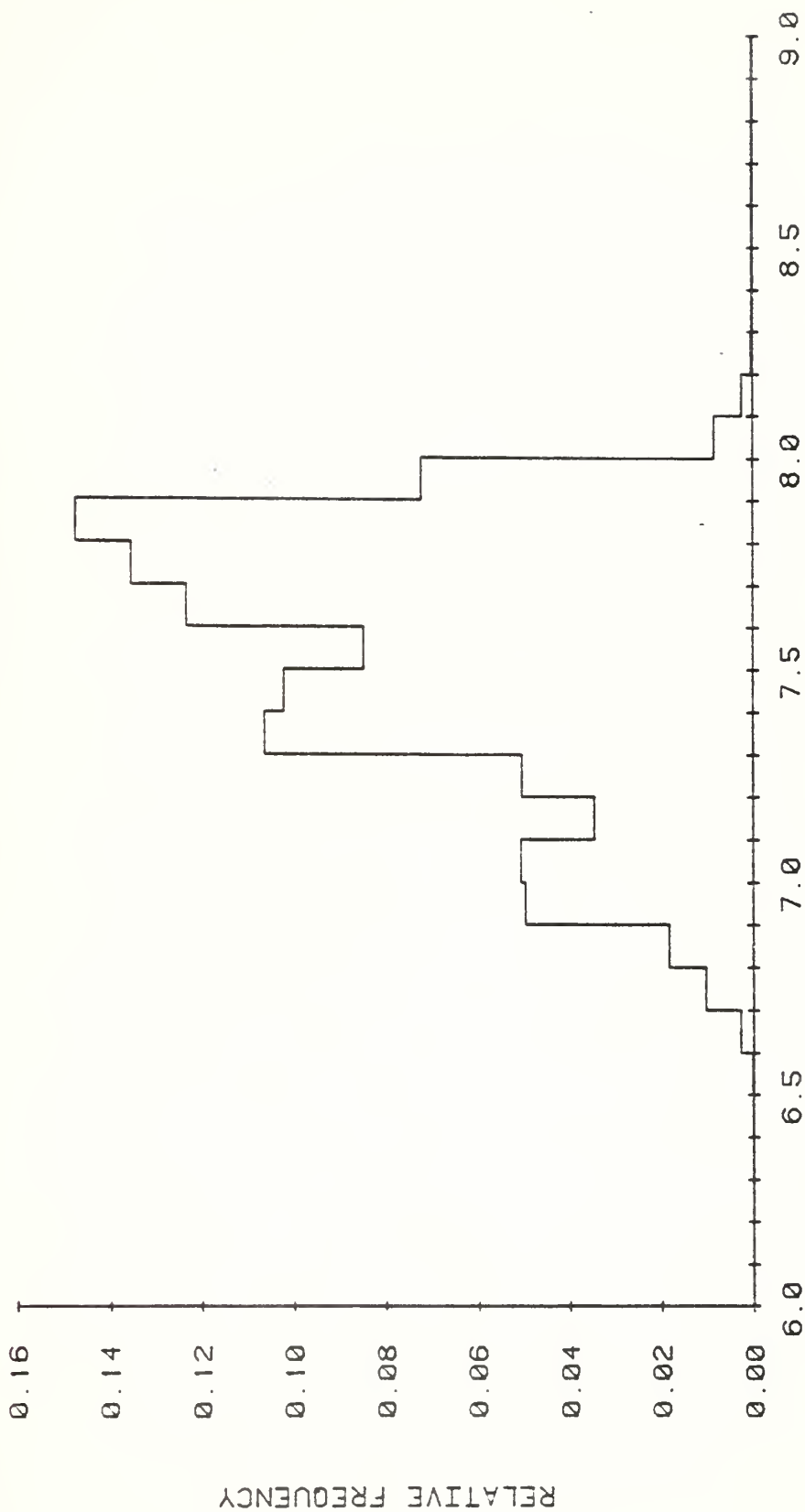
231 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 842/9.

↓ MEAN

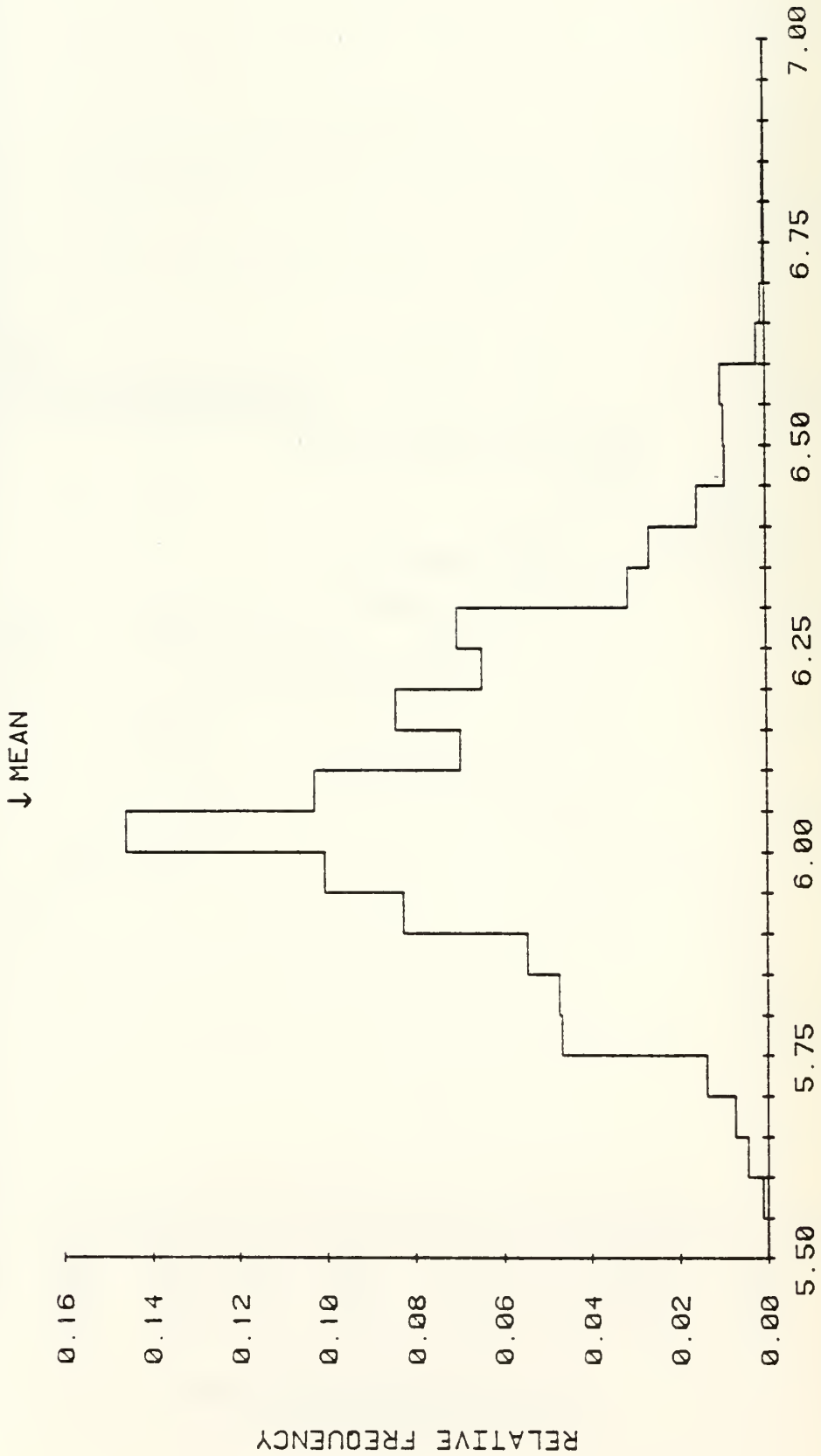


TEMPERATURE, DEGREES C.

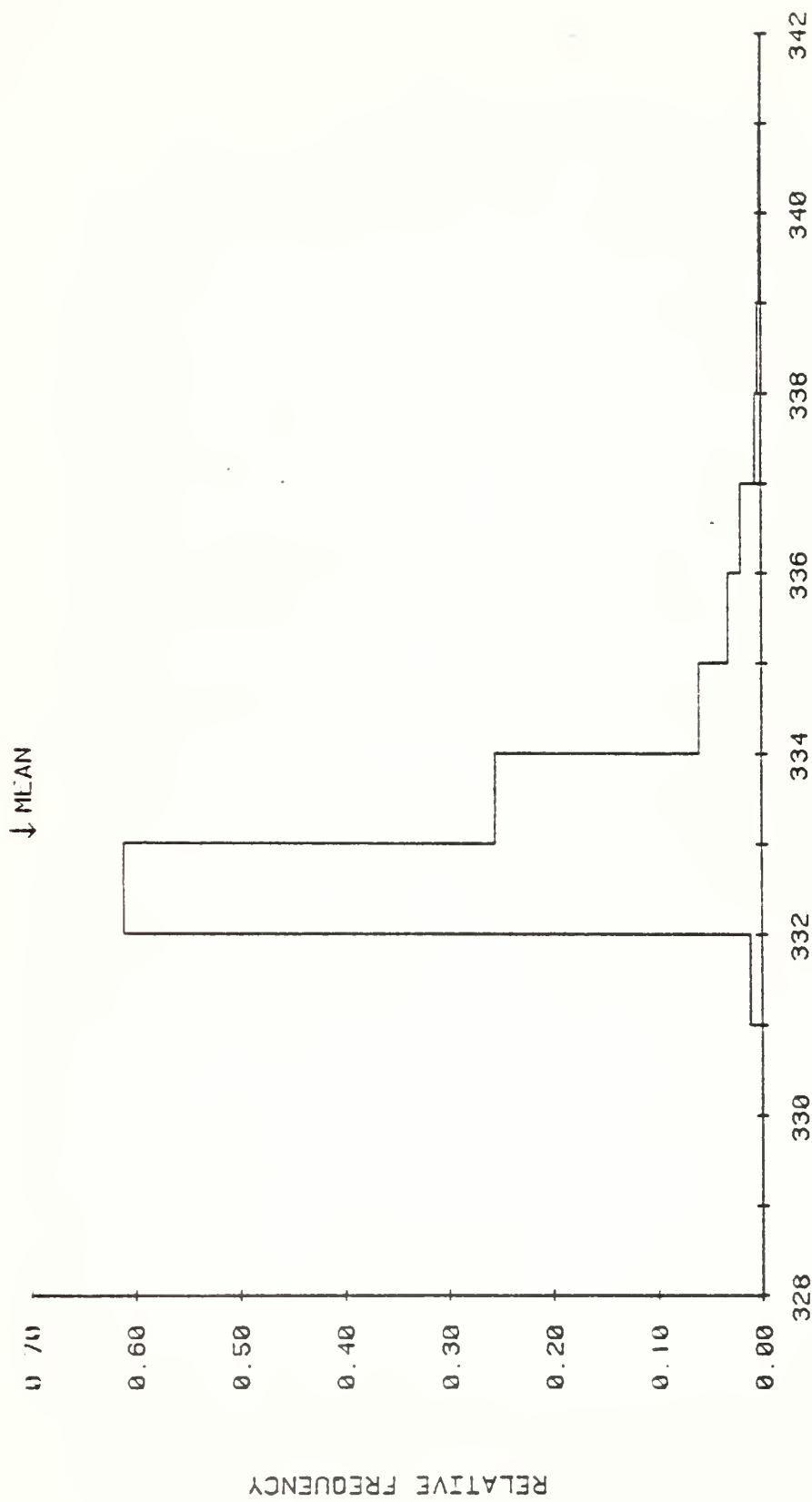
↓ MEAN



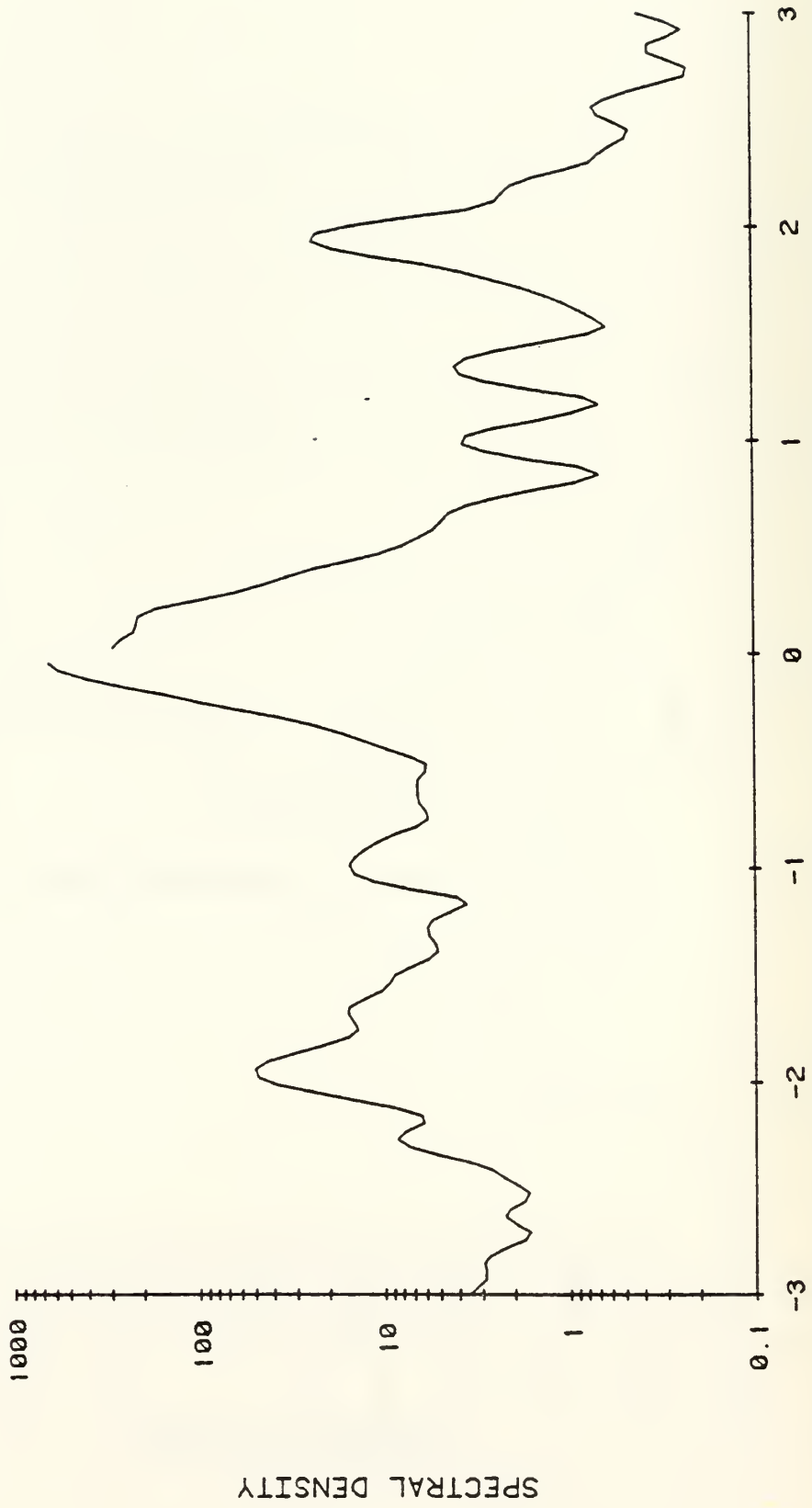
555 M AT STN 7. 9 JUL 79 - 29 AUG 79. TAPE 1495/4.



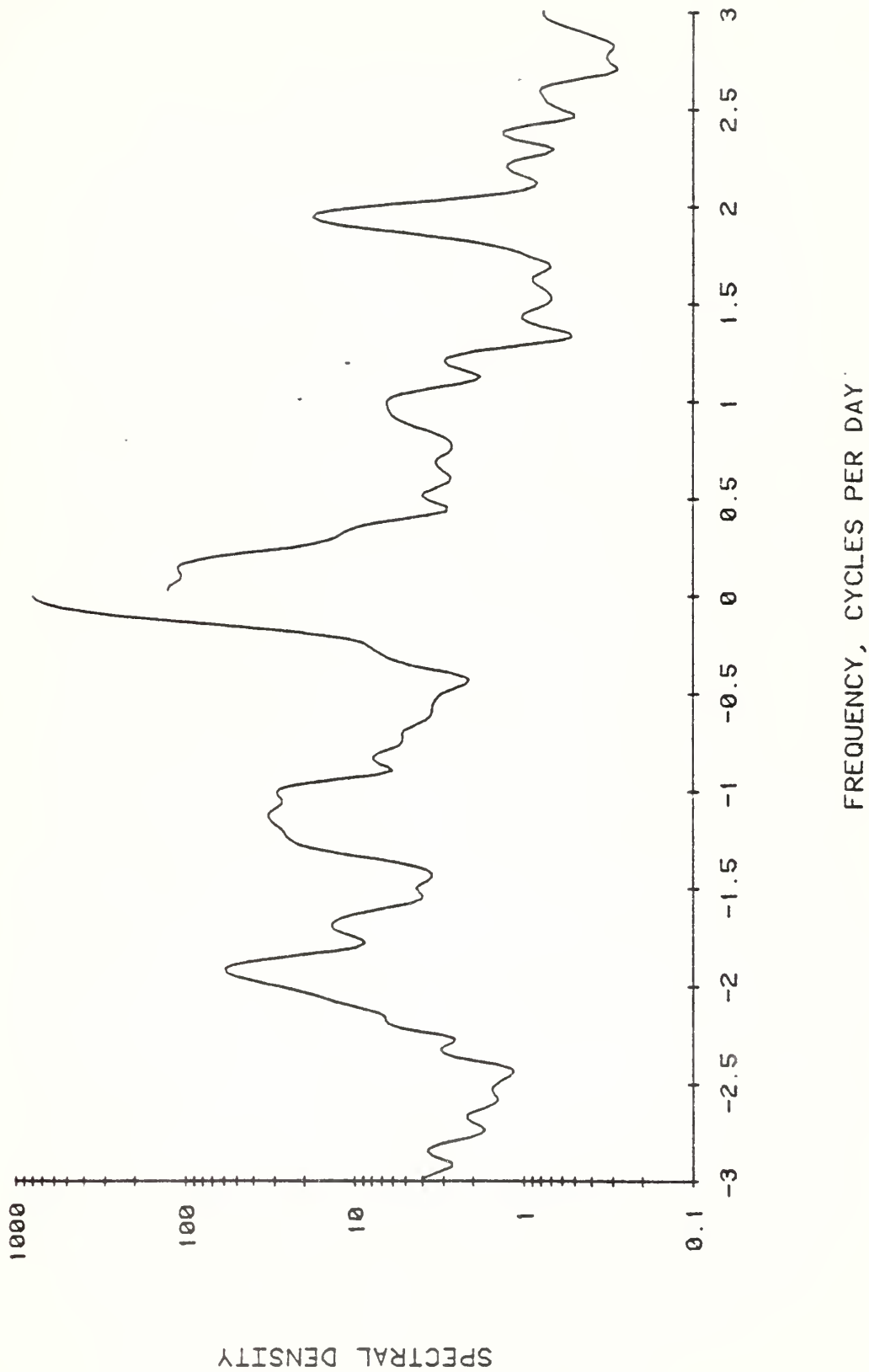
356 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 762/12.



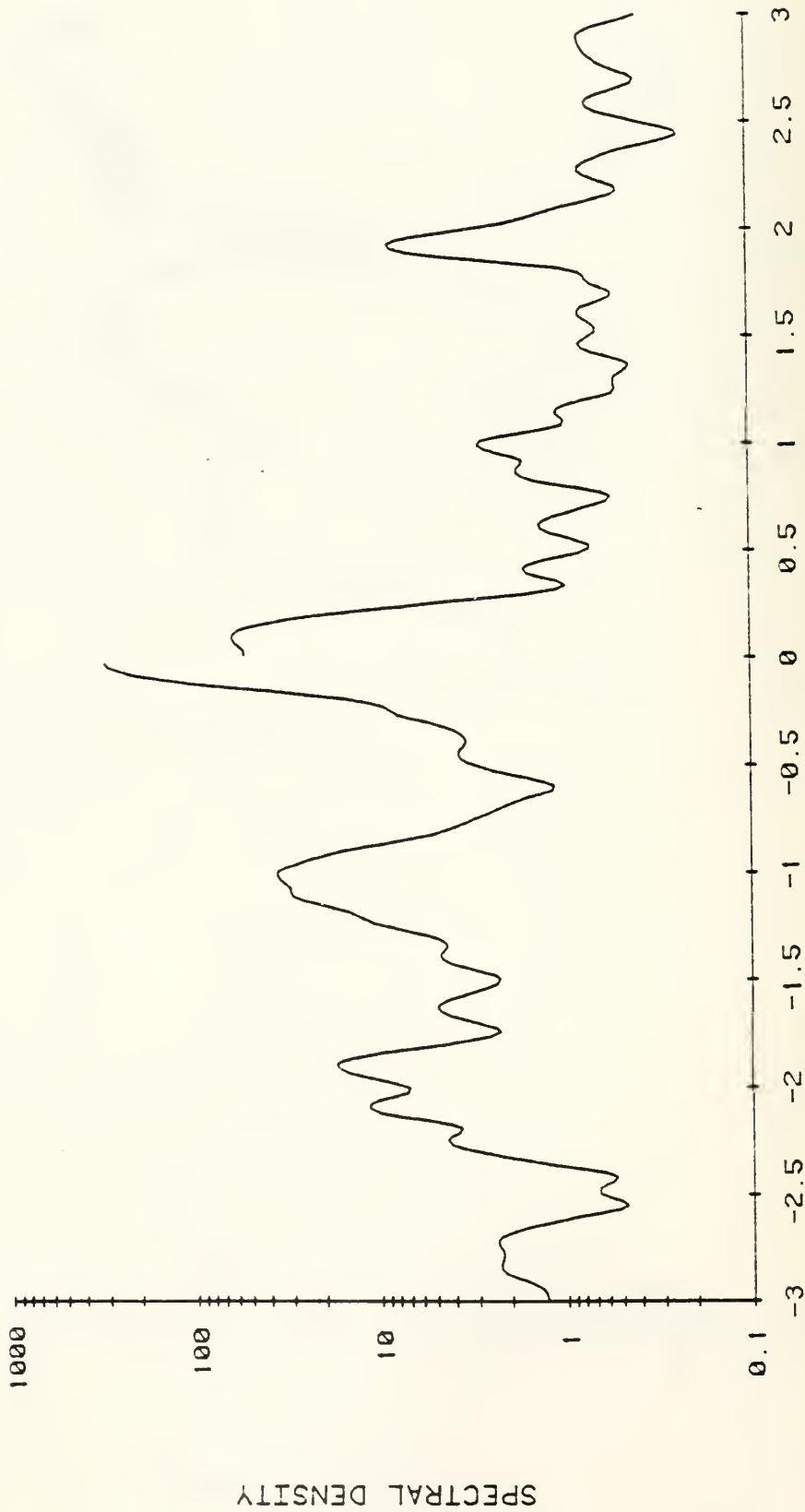
158 M AT STN 7. 9 JUL 79 - 6 AUG 79. TAPE 2760/D.



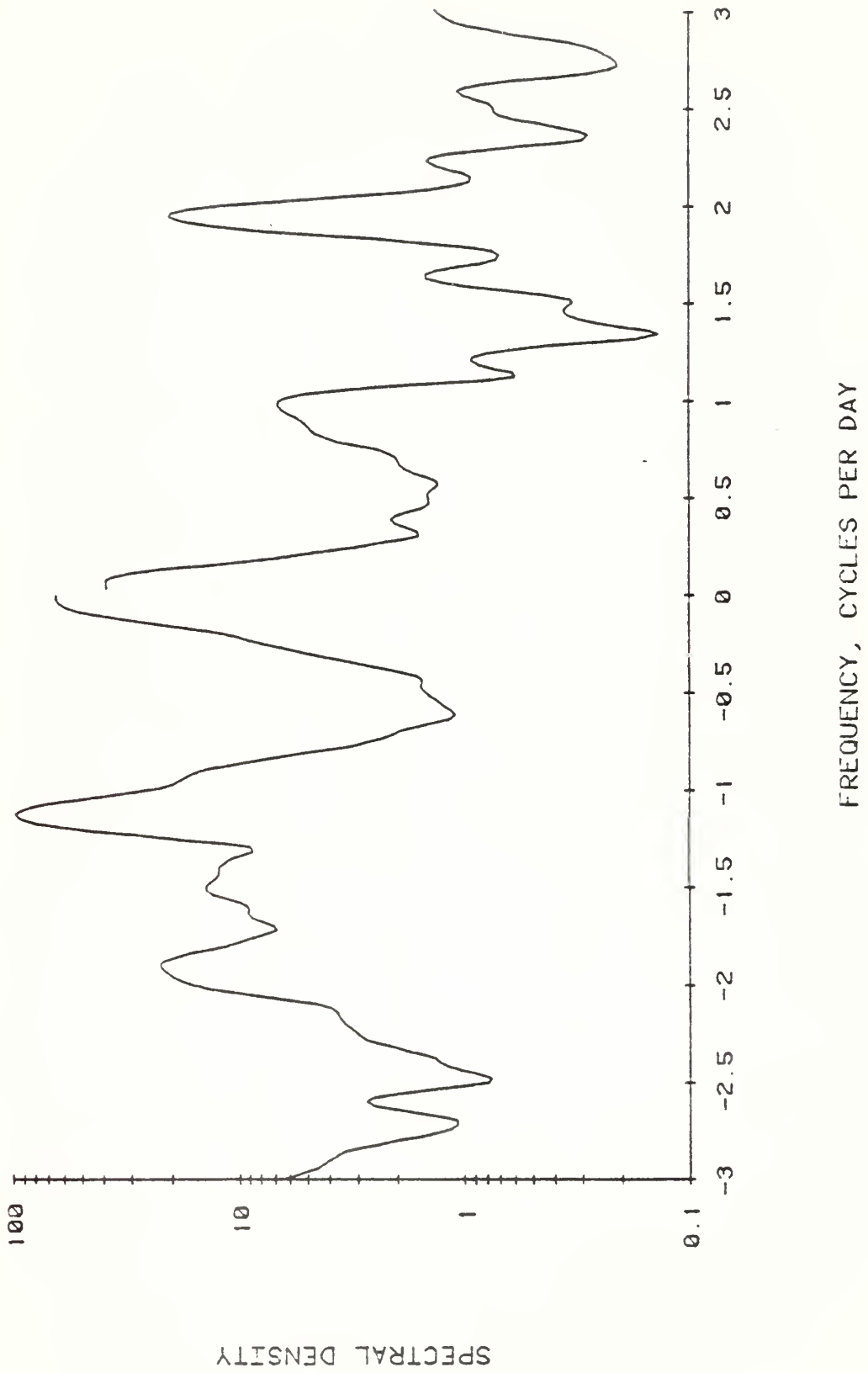
231 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 842/9.



356 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 762/12.

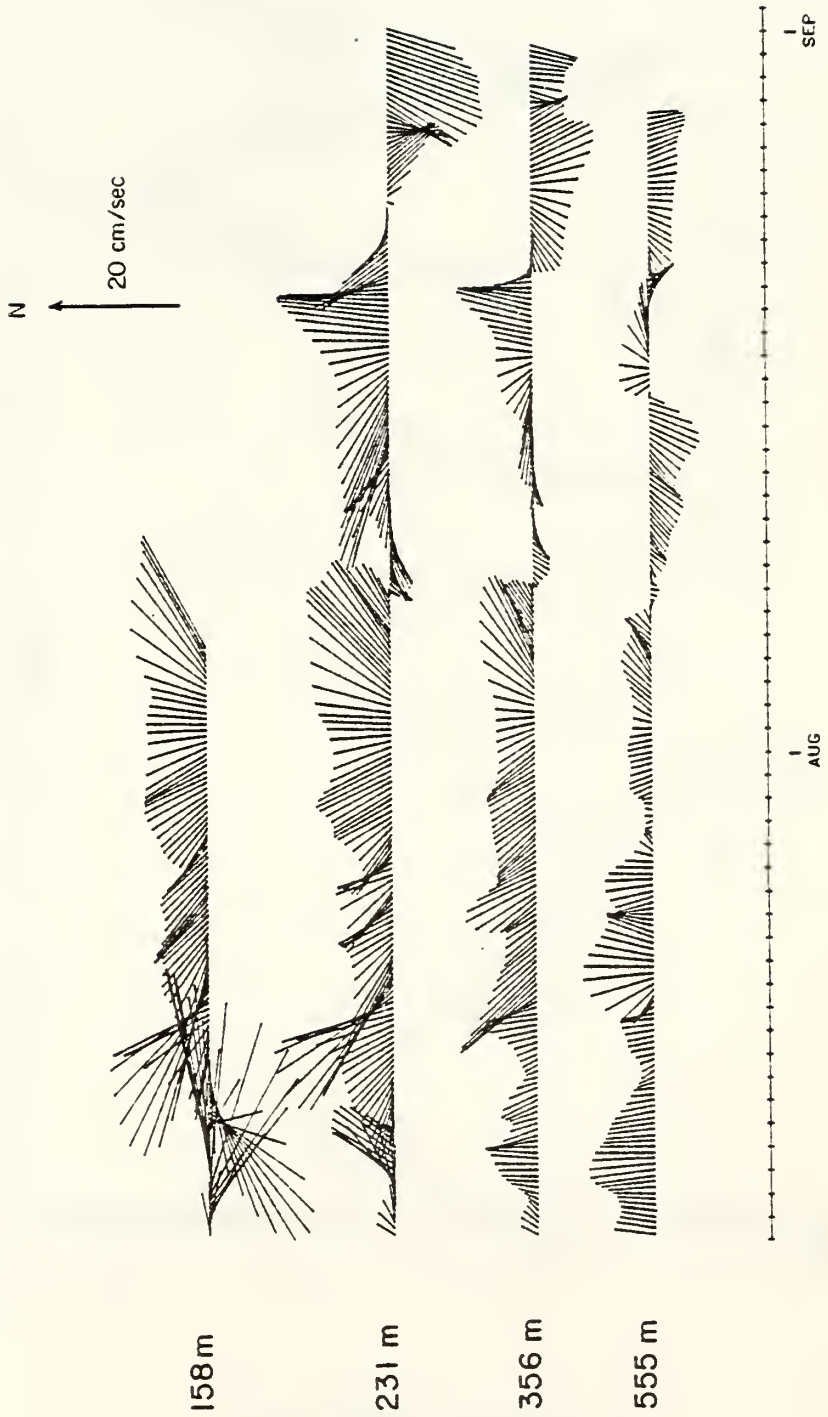


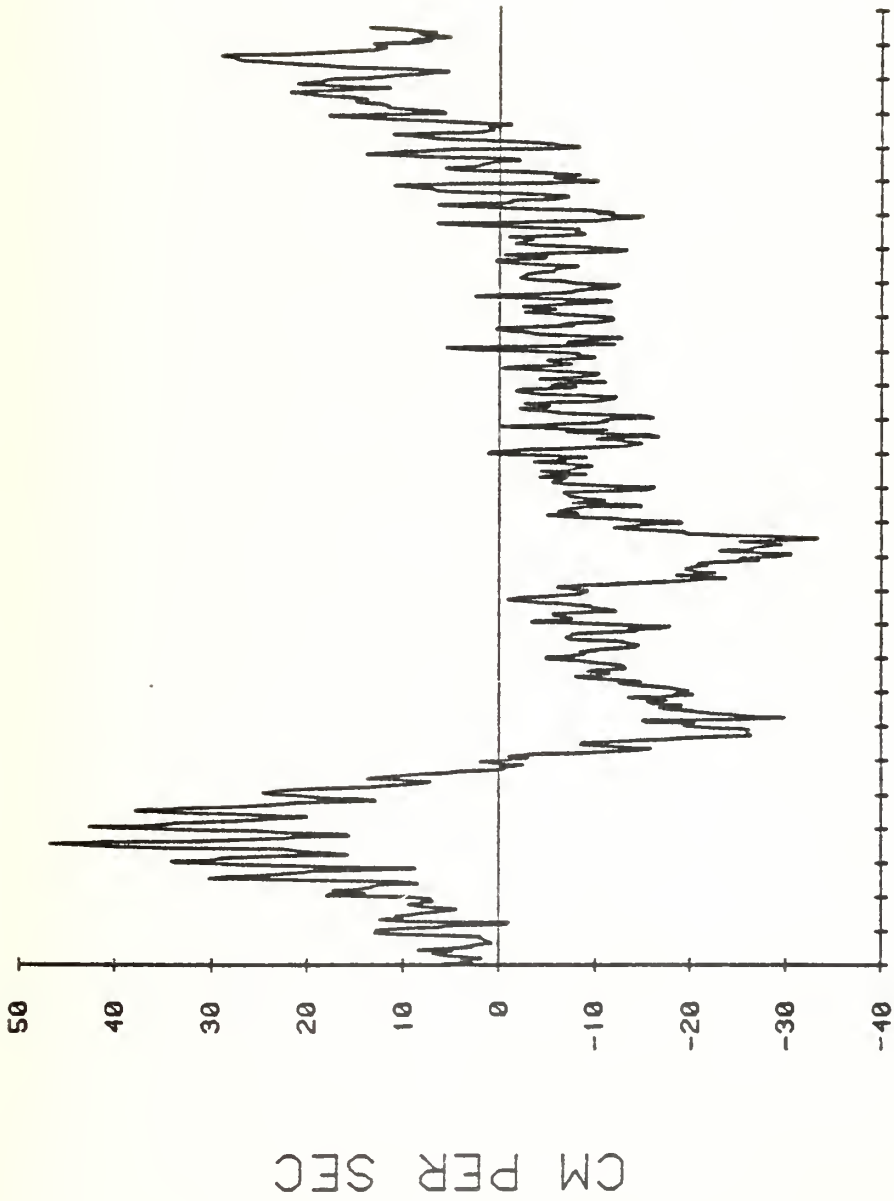
555 M AT STN 7. 9 JUL 79 - 29 AUG 79. TAPE 1495/4.



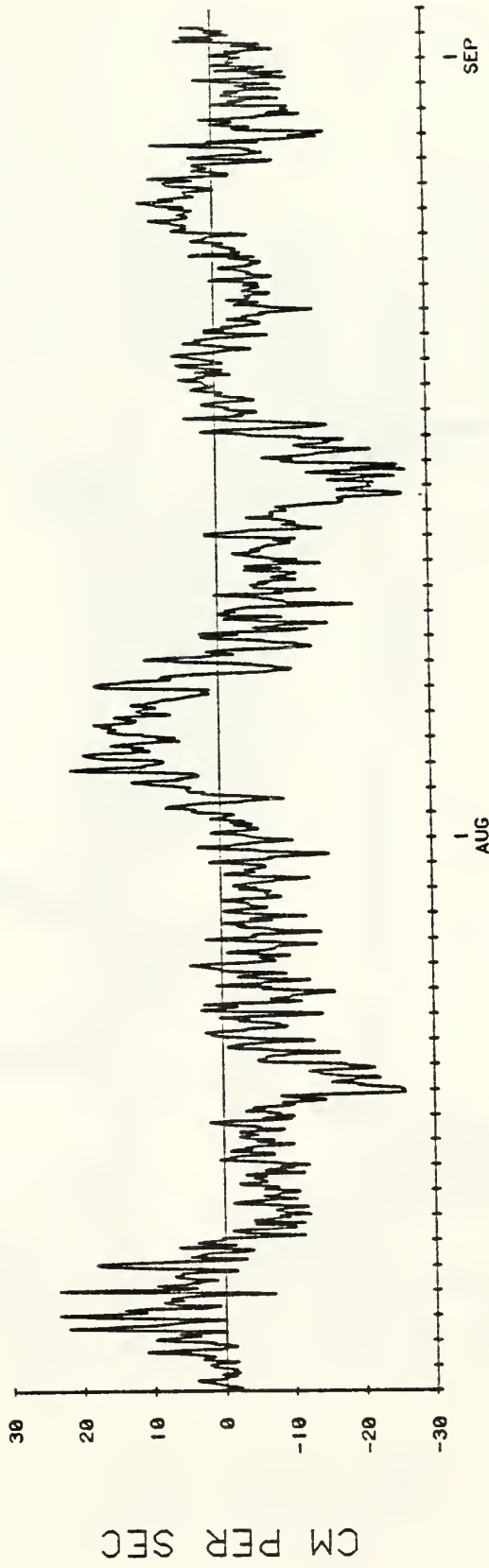


LLP FILTERED CURRENT AT STATION 7. JULY - SEPTEMBER 1979.

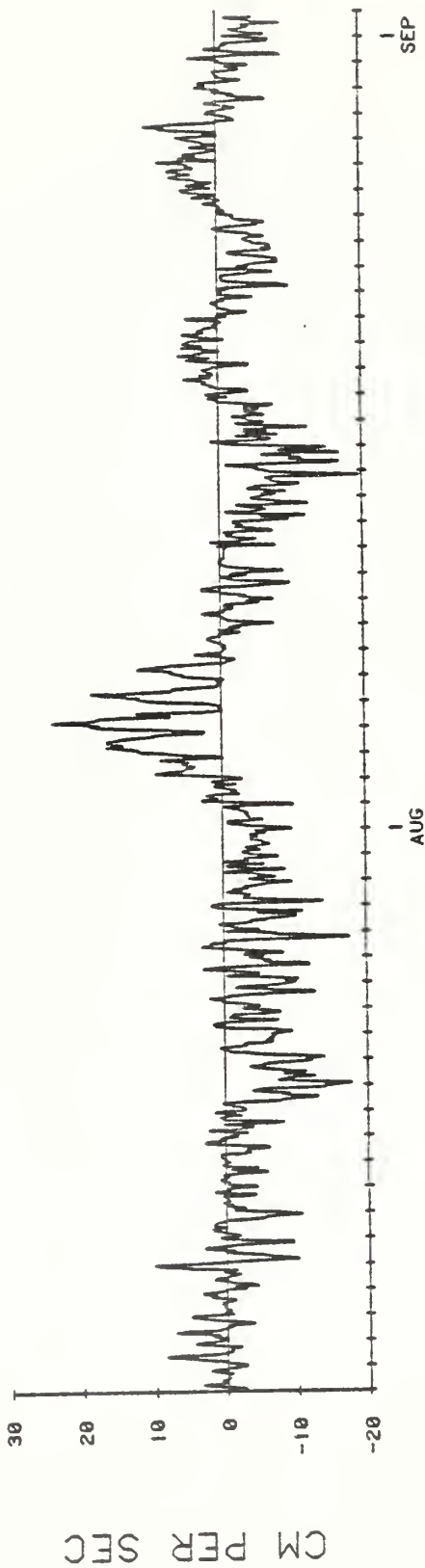




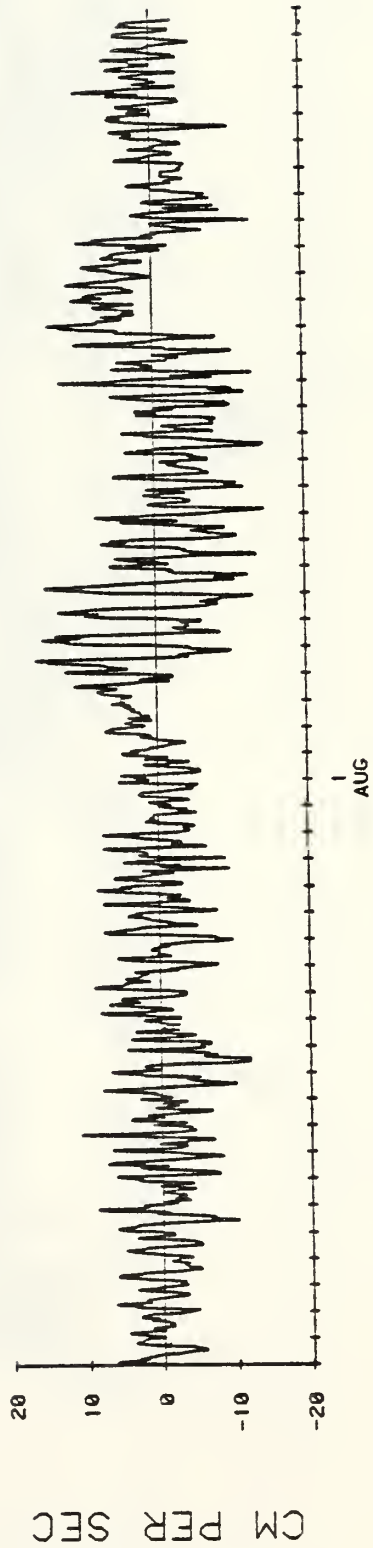
U COMPONENT. 158 M AT STN 7.



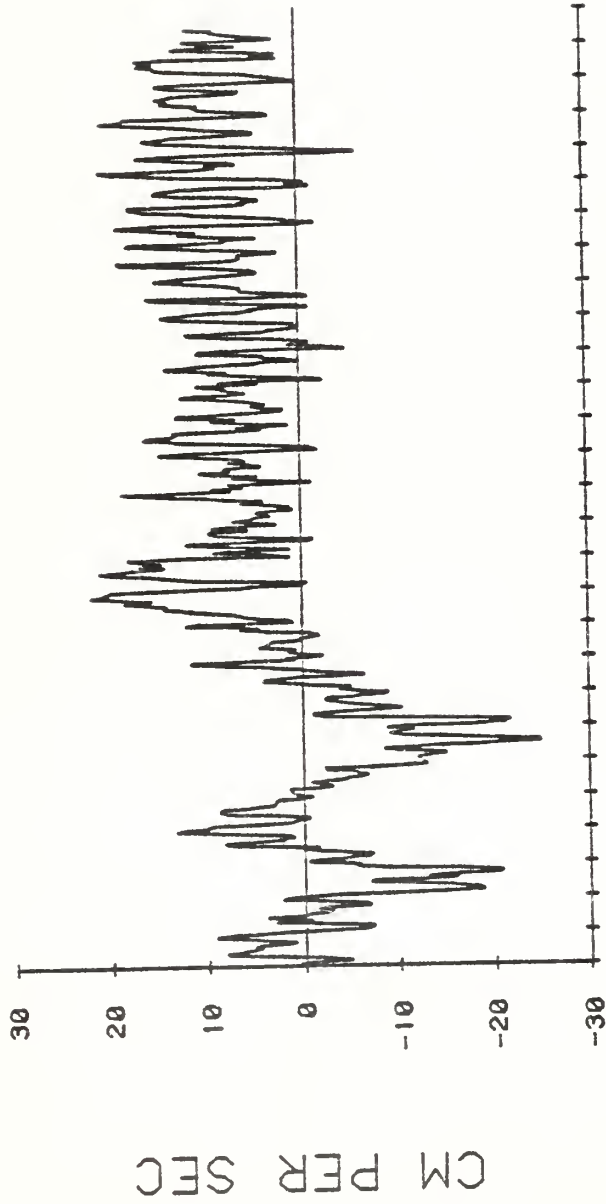
U COMPONENT. 231 M AT STN 7.



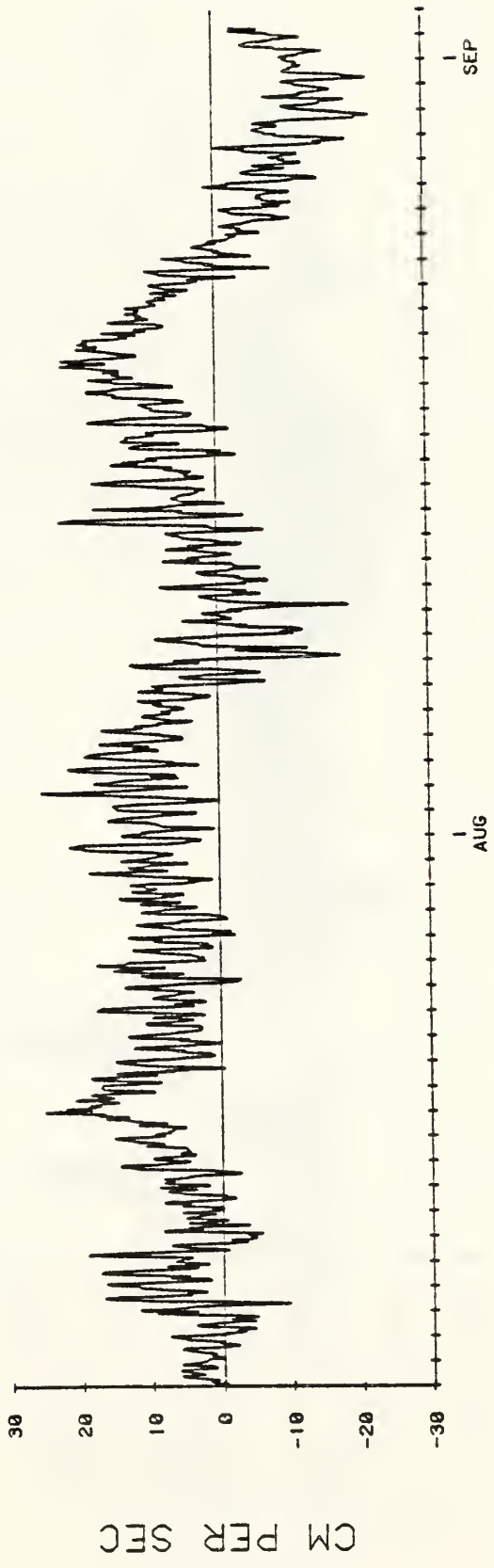
U COMPONENT . 356 M AT STN 7 .



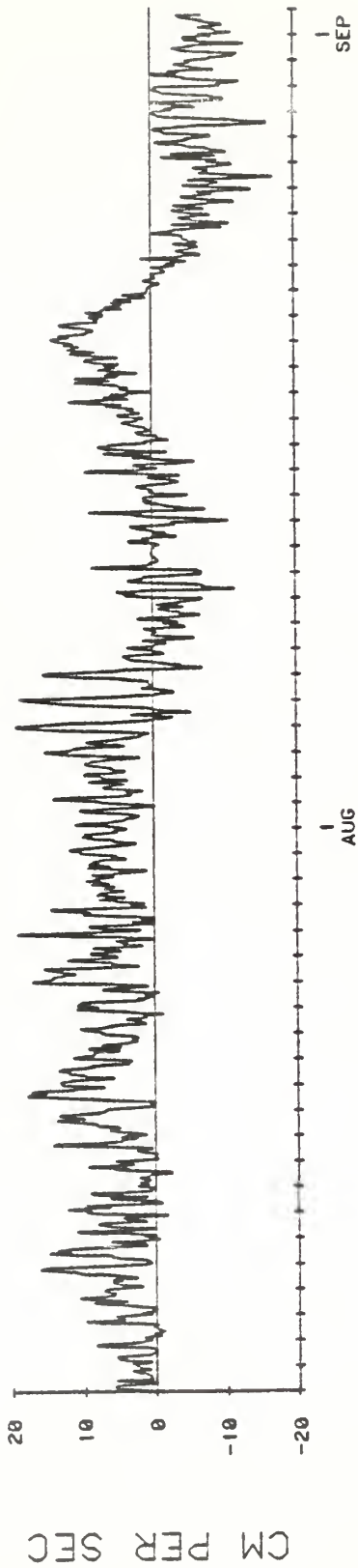
U COMPONENT . 555 M AT STN 7 .



V COMPONENT. 158 M AT STN 7.

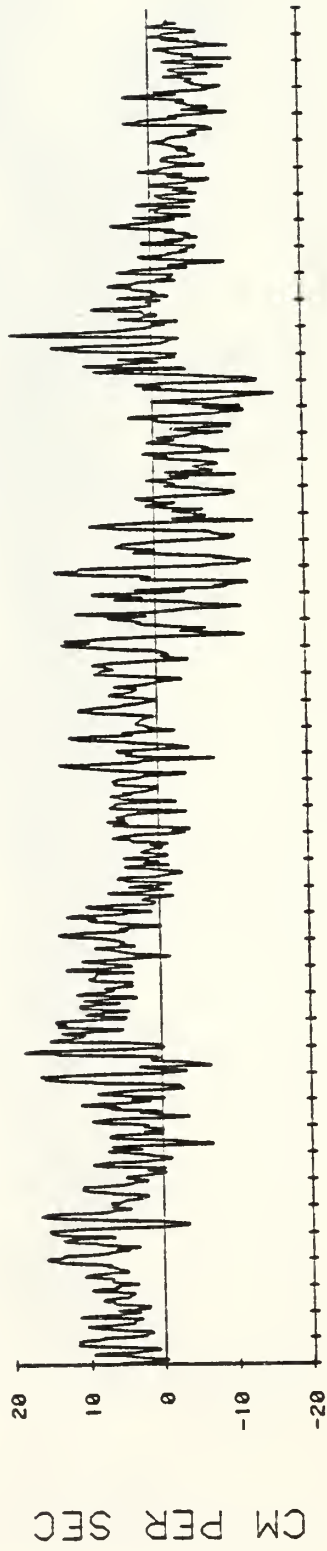


V COMPONENT. 231 M AT STN 7.

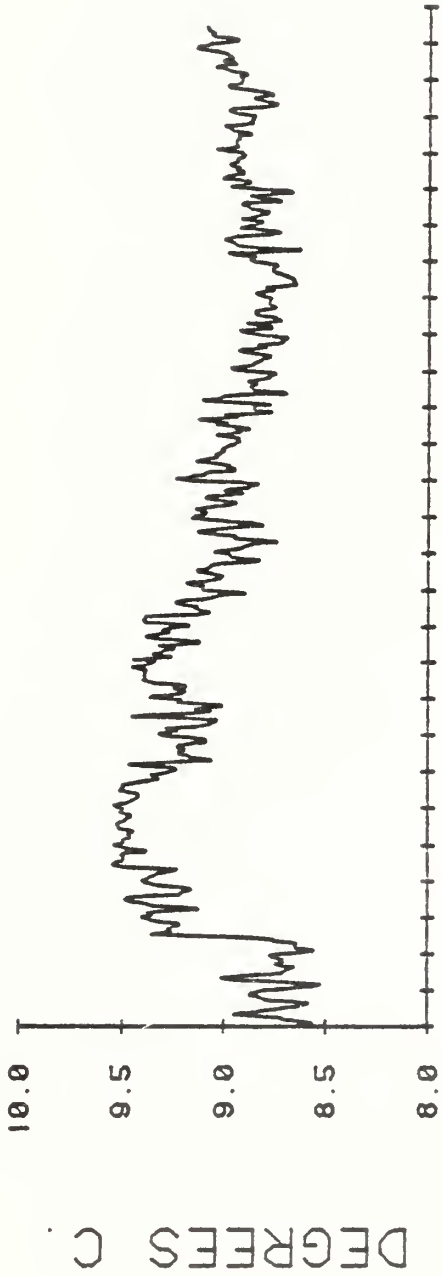


V COMPONENT. 356 M AT STN 7.

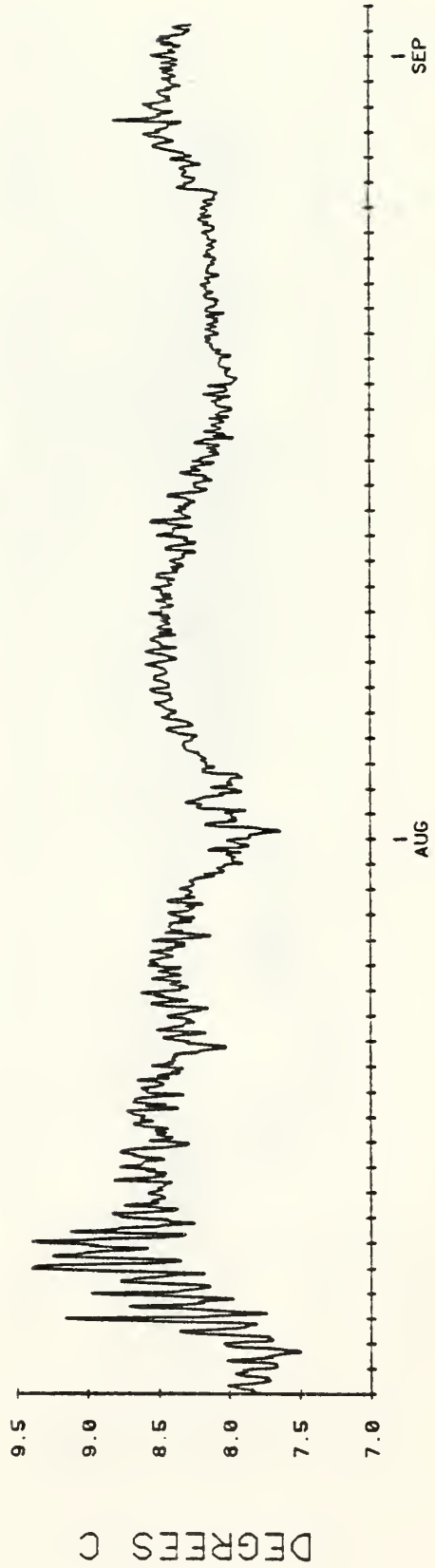




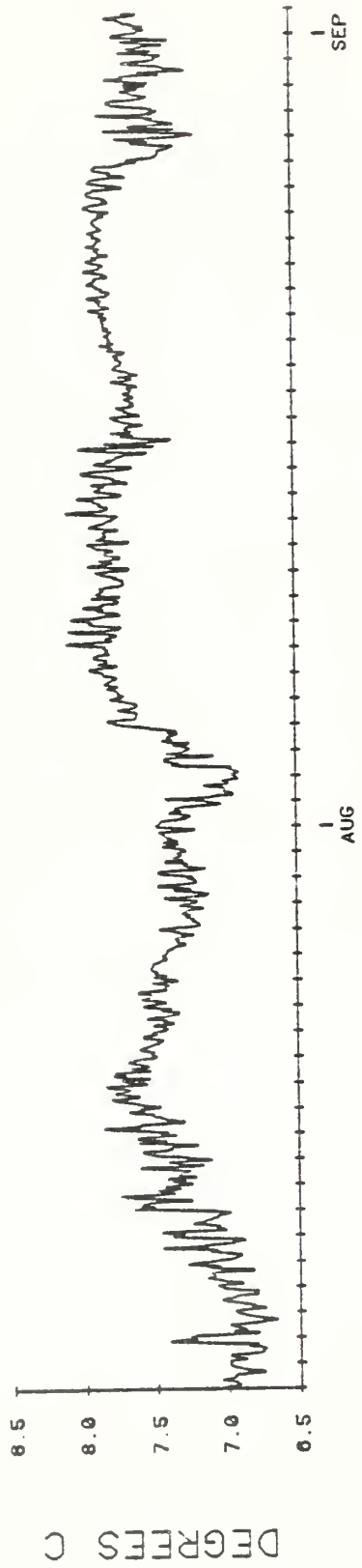
V COMPONENT. 555 M AT STN 7.



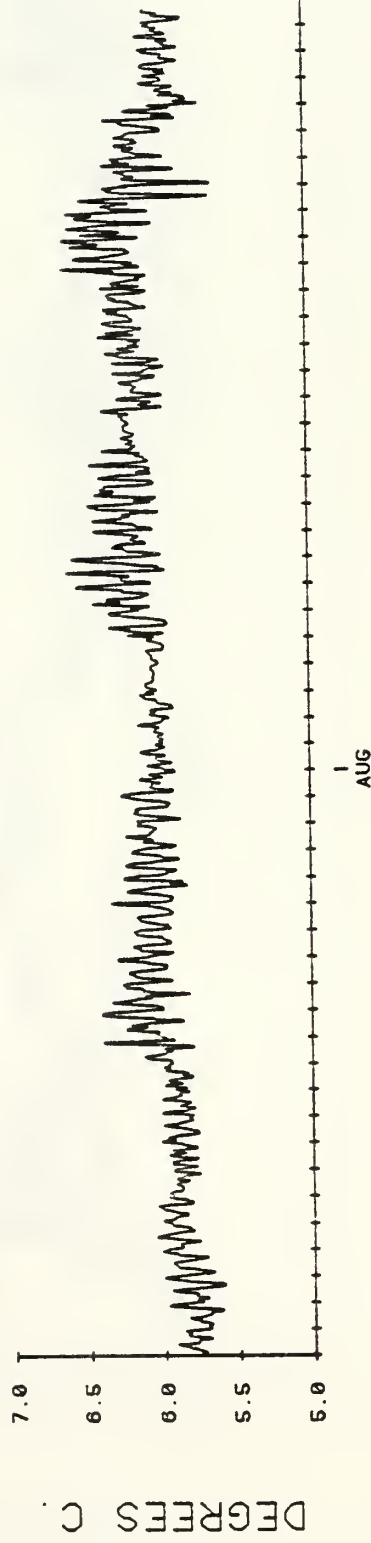
TEMPERATURE. 158 M AT STN 7.



TEMPERATURE. 231 M AT STN 7.



TEMPERATURE. 356 M AT STN 7.



TEMPERATURE. 555 M AT STN 7.

STATION 2 - 35° 52.3'N, 121° 33.6'W  
 23 JUL 79 - 16 SEP 79

Record #20, Depth 165 m

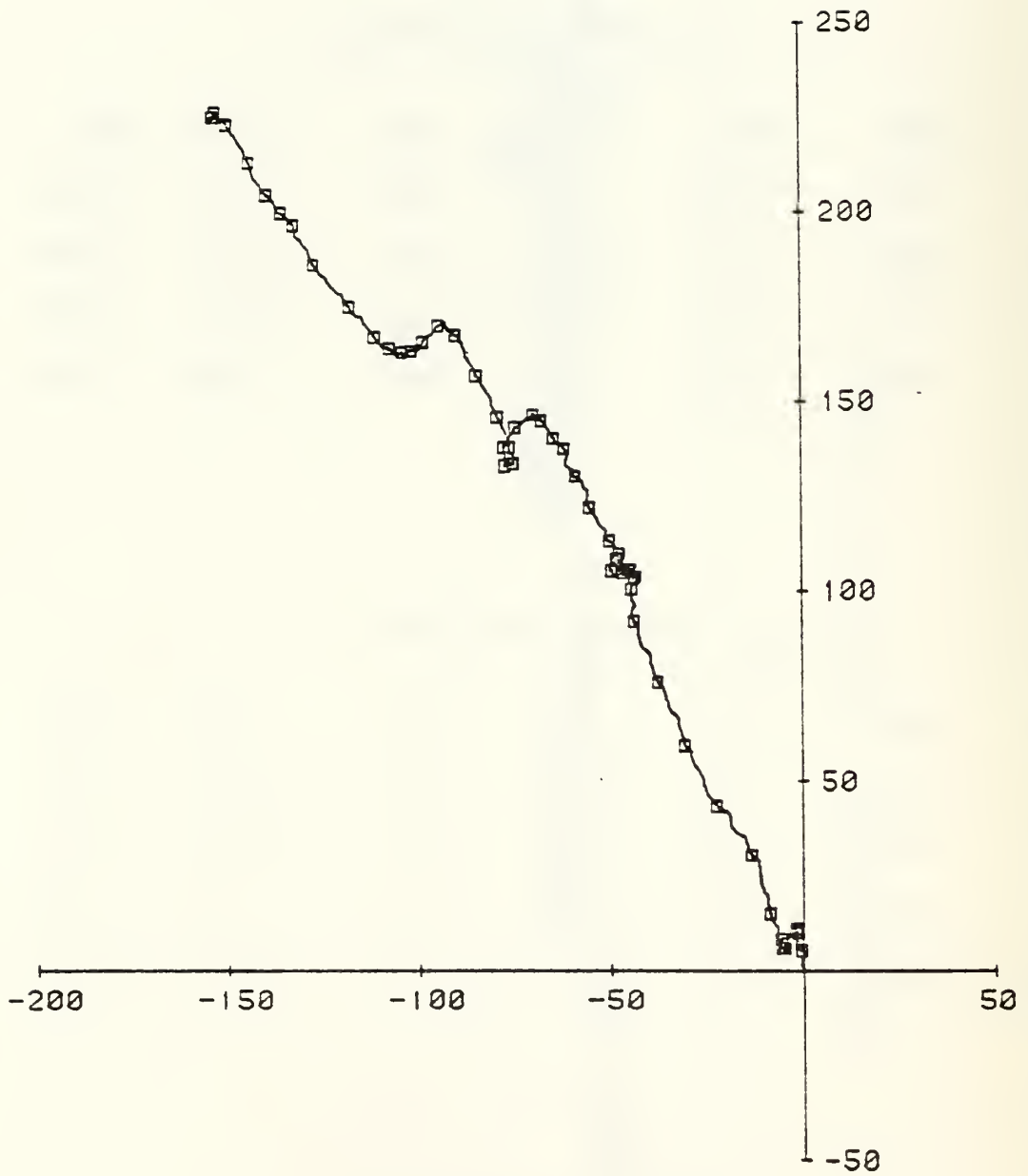
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	9.71	6.35	0.90	3.42	0.80	34.00	7828
U(cm/s)	-3.28	5.77	-0.14	3.34	-27.60	17.60	7828
V(cm/s)	4.78	8.22	0.39	2.89	-21.20	30.50	7828
T(°C)	8.94	0.16	0.38	3.68	8.45	9.78	7828

Record #21, Depth 237 m

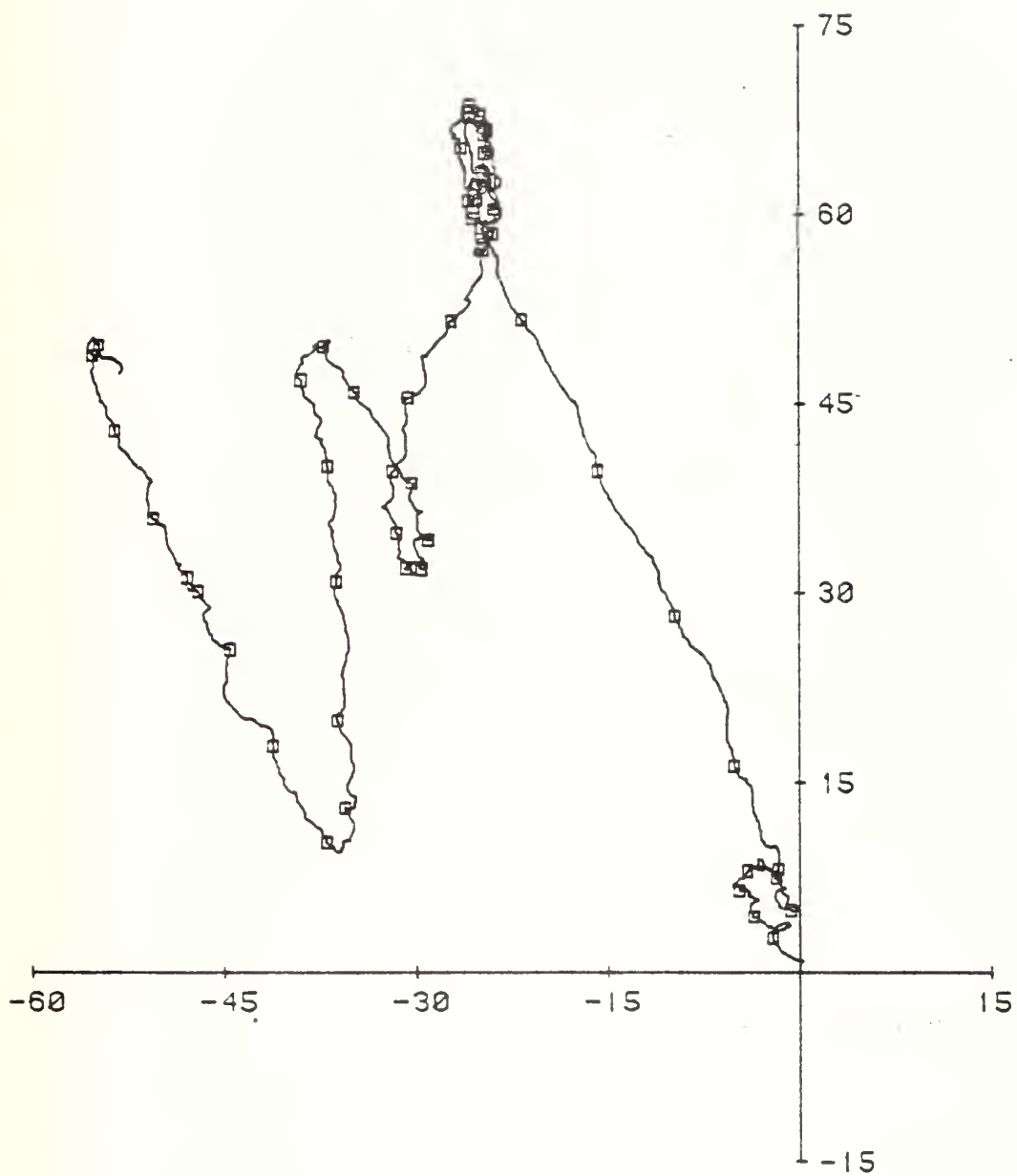
S(cm/s)	8.09	4.73	0.67	3.18	0.80	31.20	7661
U(cm/s)	-1.16	5.17	-0.03	2.93	-18.30	16.20	7661
V(cm/s)	1.02	7.66	0.14	2.87	-21.10	31.20	7661
T(°C)	8.50	0.16	0.05	3.10	7.97	9.04	7661
Z(meters)	244.51	0.30	0.39	4.36	243.70	246.30	7661

Record #22, Depth 360 m

S(cm/s)	7.93	4.81	0.81	3.57	0.80	29.80	7870
U(cm/s)	-0.10	6.18	-0.04	3.80	-28.90	26.00	7870
V(cm/s)	-0.13	6.91	0.16	3.40	-26.10	25.60	7870
T(°C)	7.48	0.24	-0.39	3.22	6.56	8.17	7870

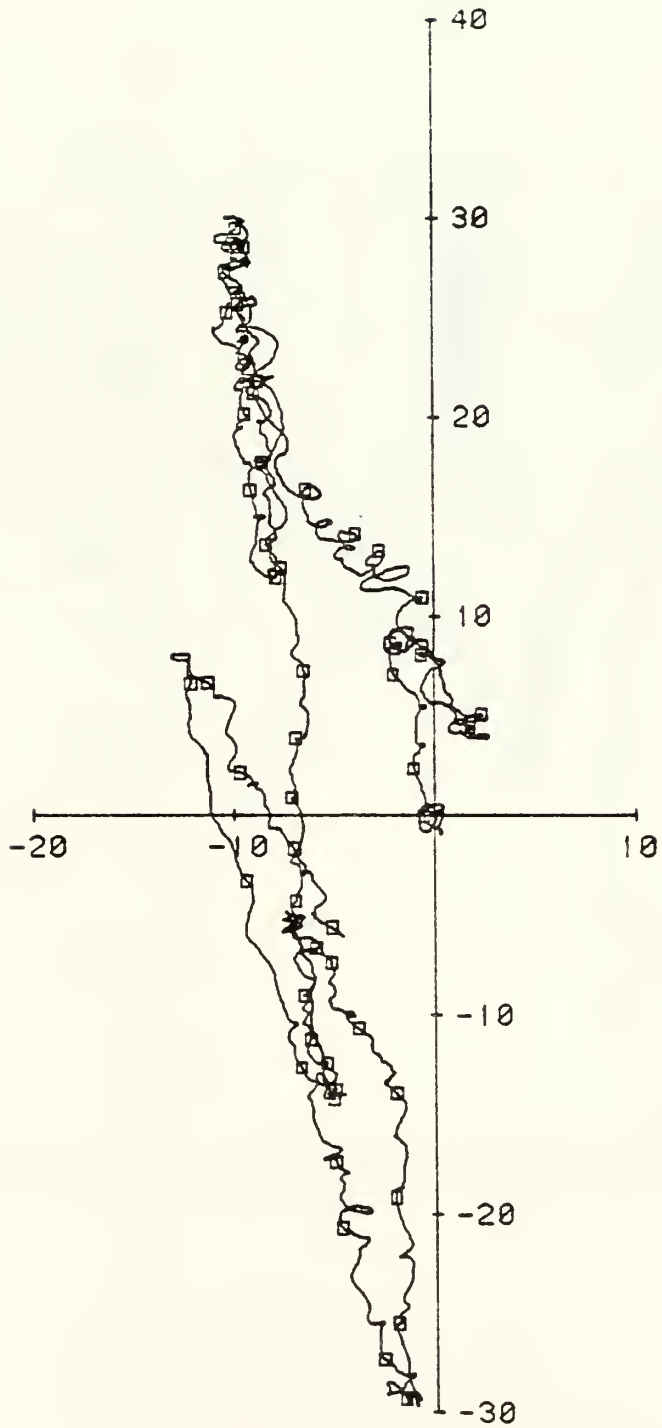


165 M AT STN 2. 23 JUL 79 - 15 SEP 79. TAPE 1965/4.



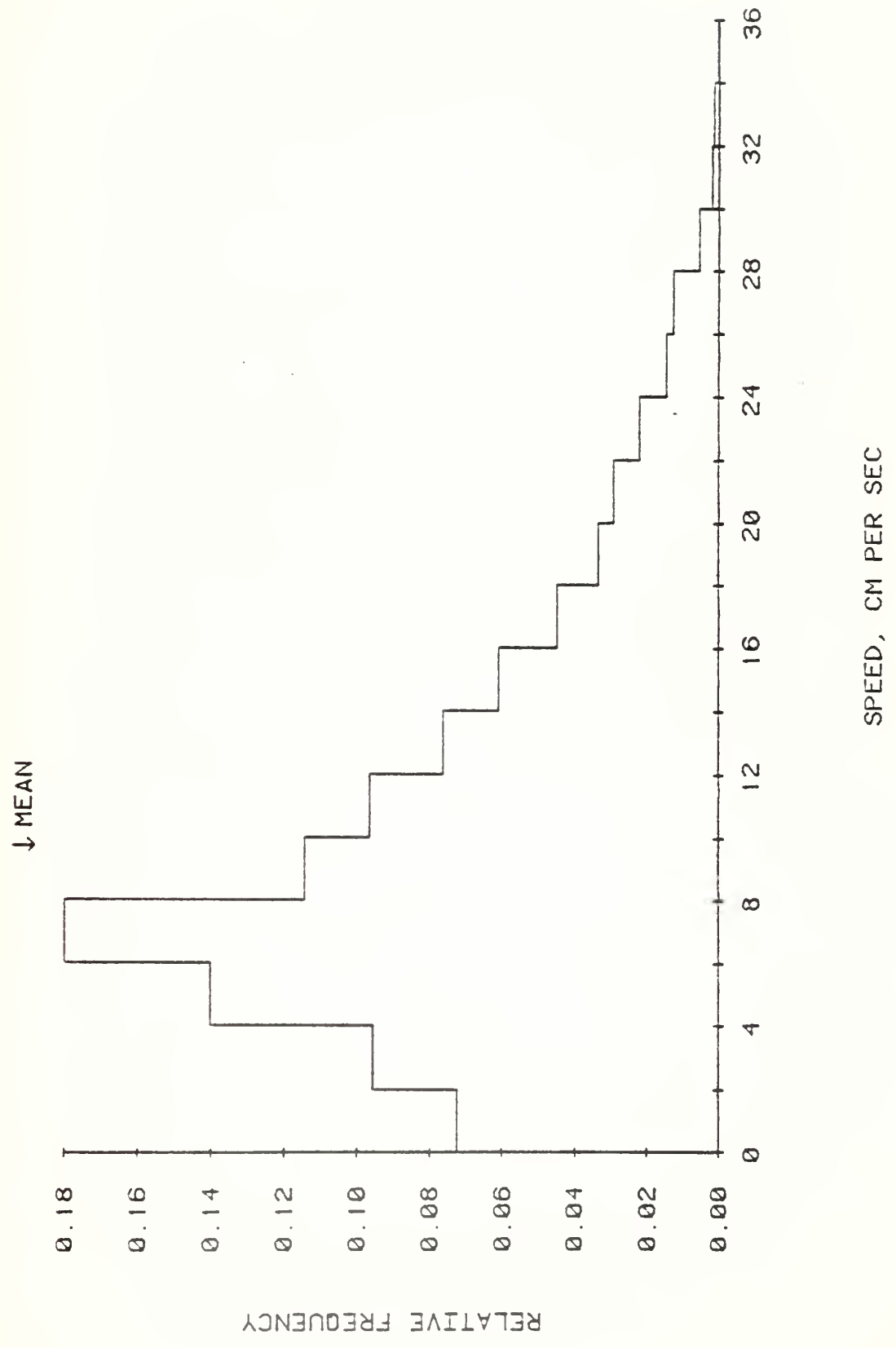
237 M AT STN 2. 23 JUL 79 - 14 SEP 79. TAPE 1319/4.



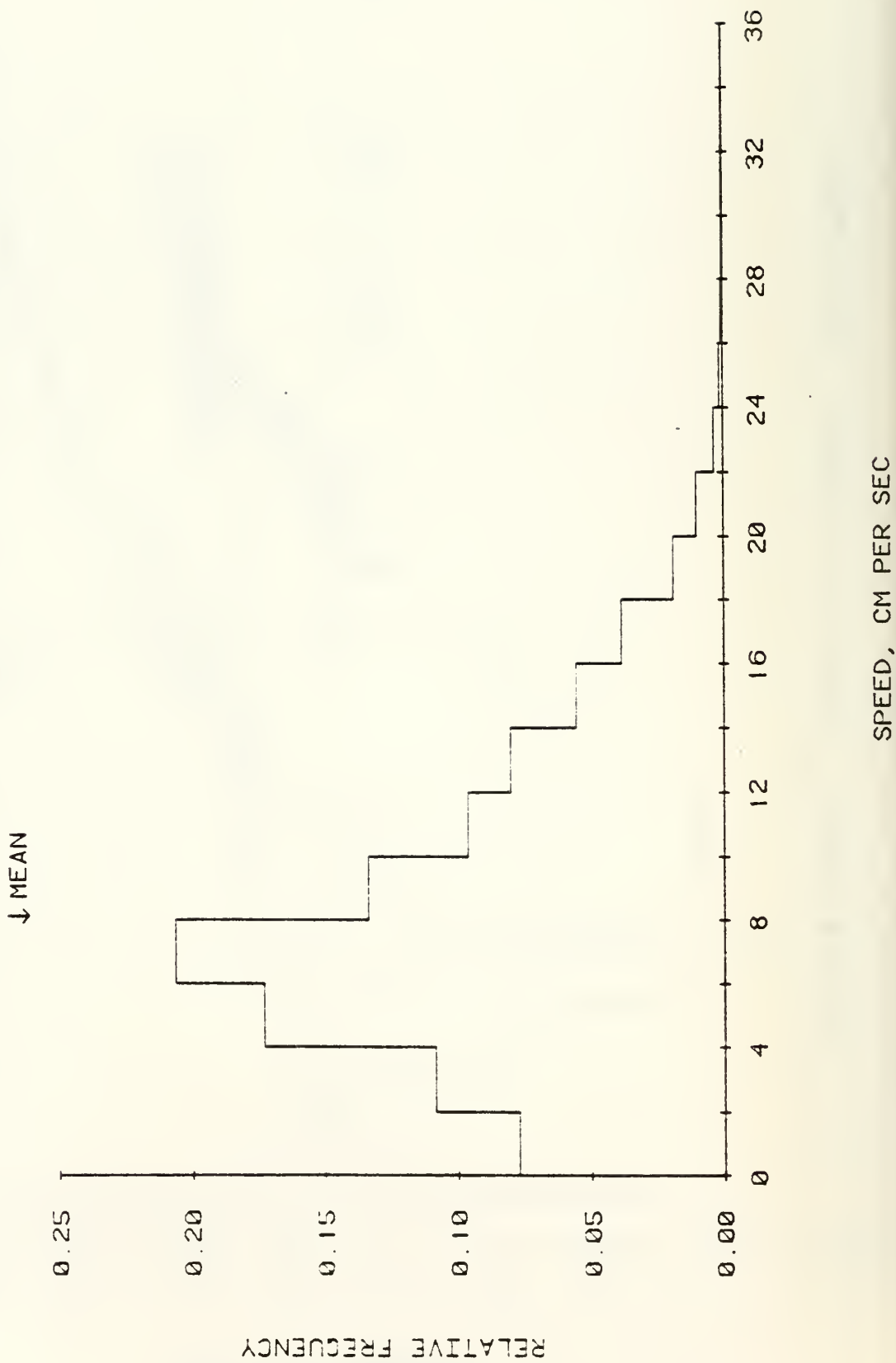


360 M AT STN 2. 23 JUL 79 - 16 SEP 79. TAPE 2759/D

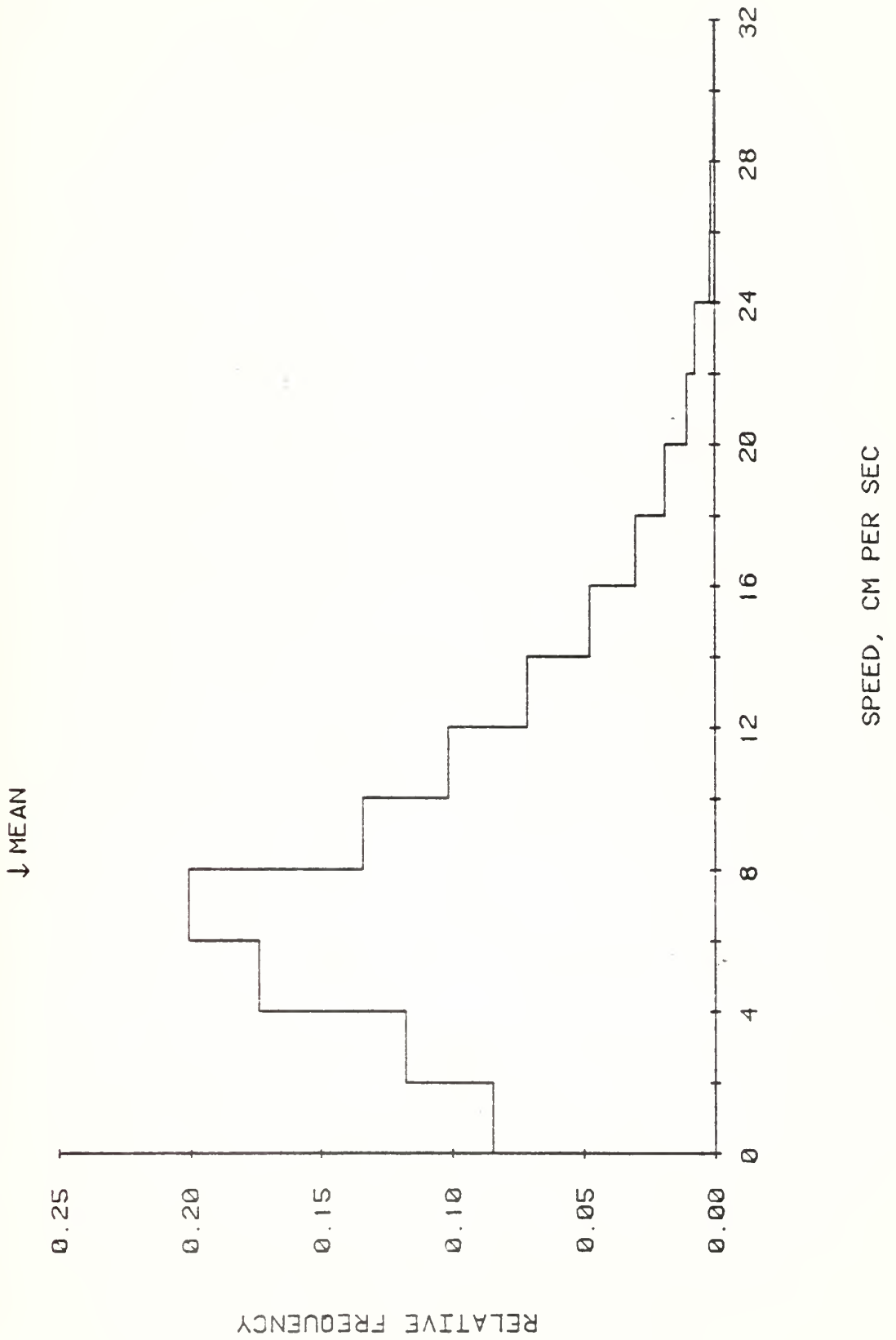
165 M AT STN 2. 23 JUL 79 - 15 SEP 79. TAPE 1965/4.



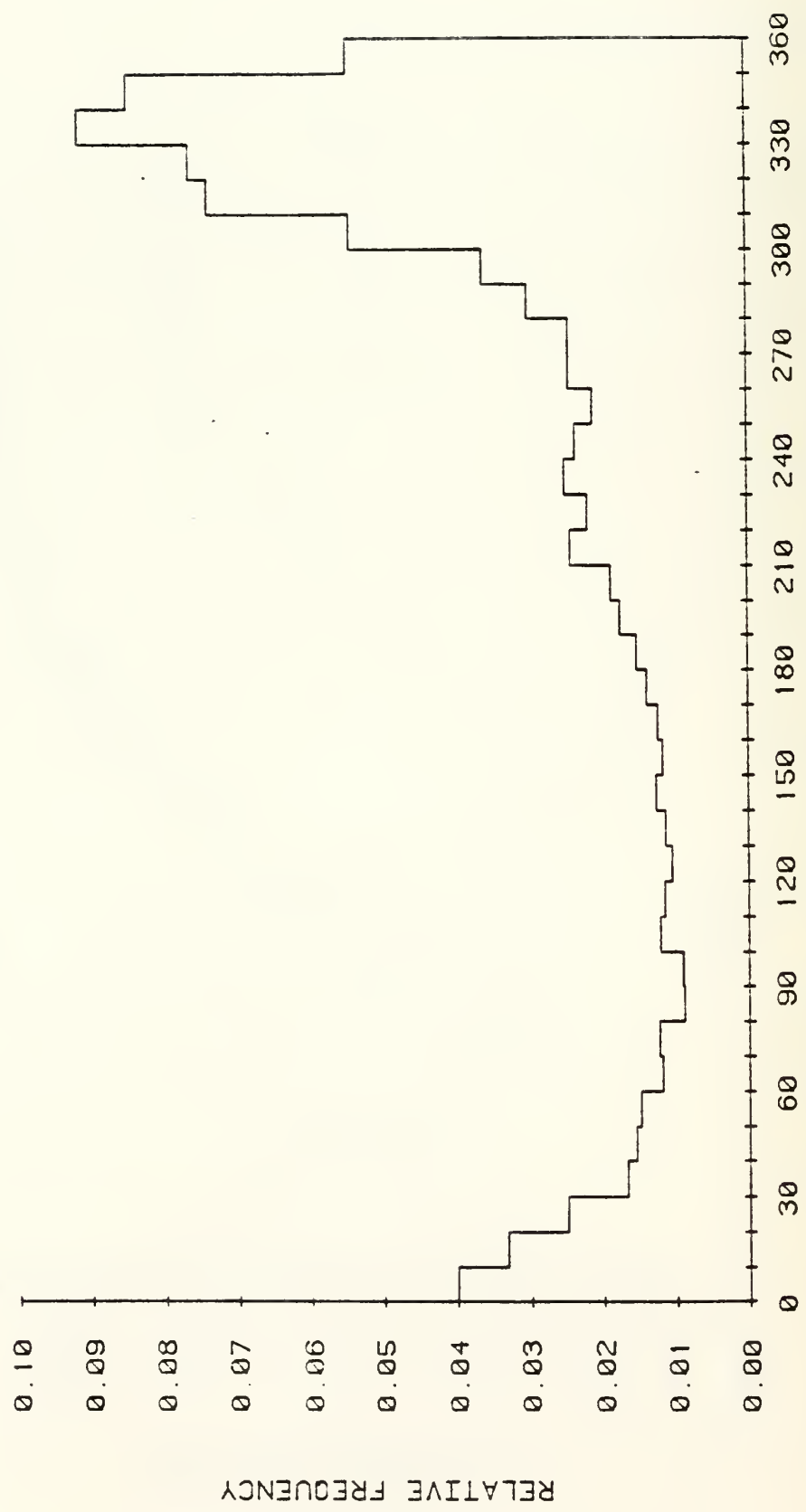
237 M AT STN 2. 23 JUL 79 - 14 SEP 79. TAPE 1319/4.



360 M AT STN 2. 23 JUL 79 - 16 SEP 79. TAPE 2759/D.

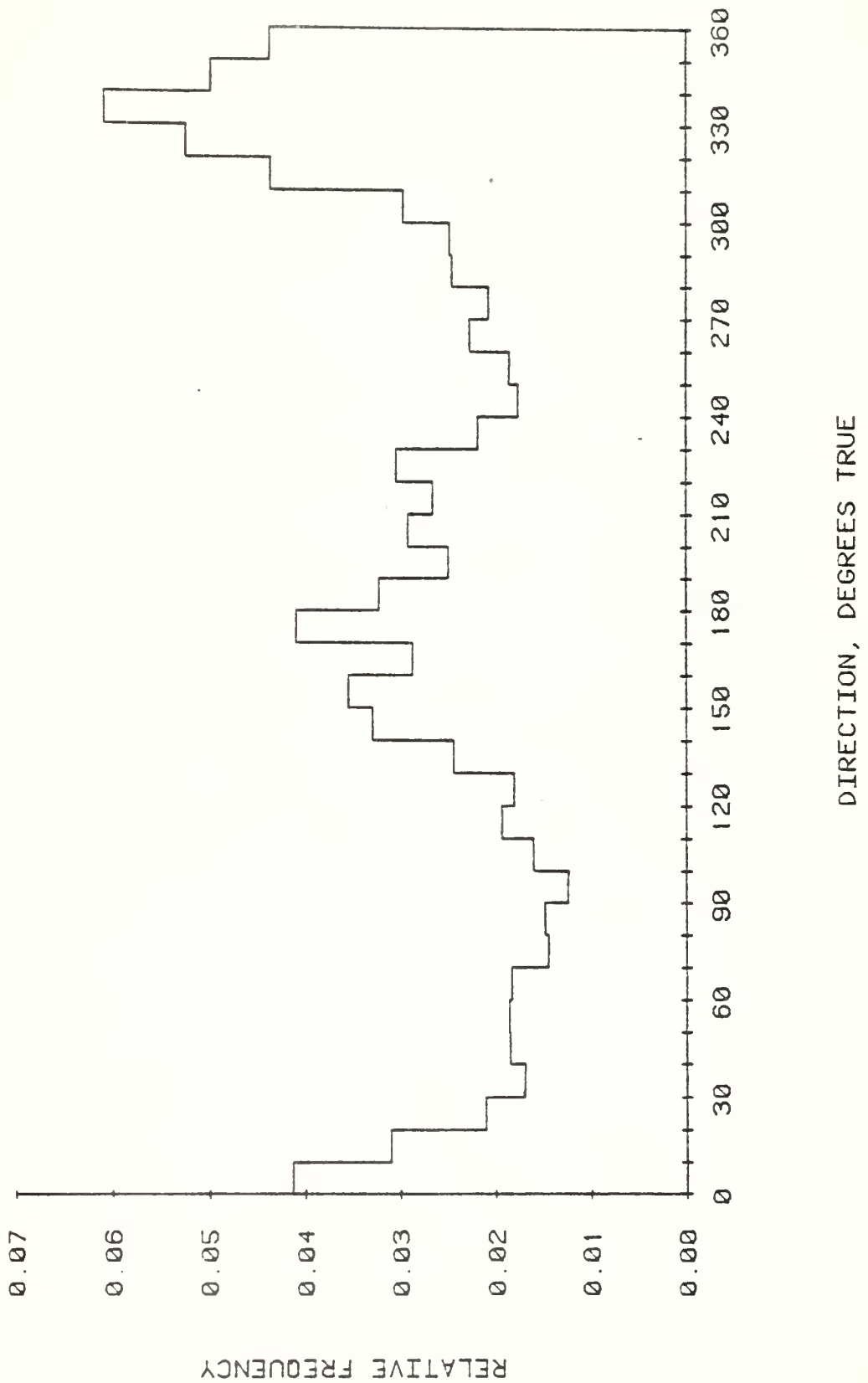


165 M AT STN 2. 23 JUL 79 - 15 SEP 79. TAPE 1965/4.

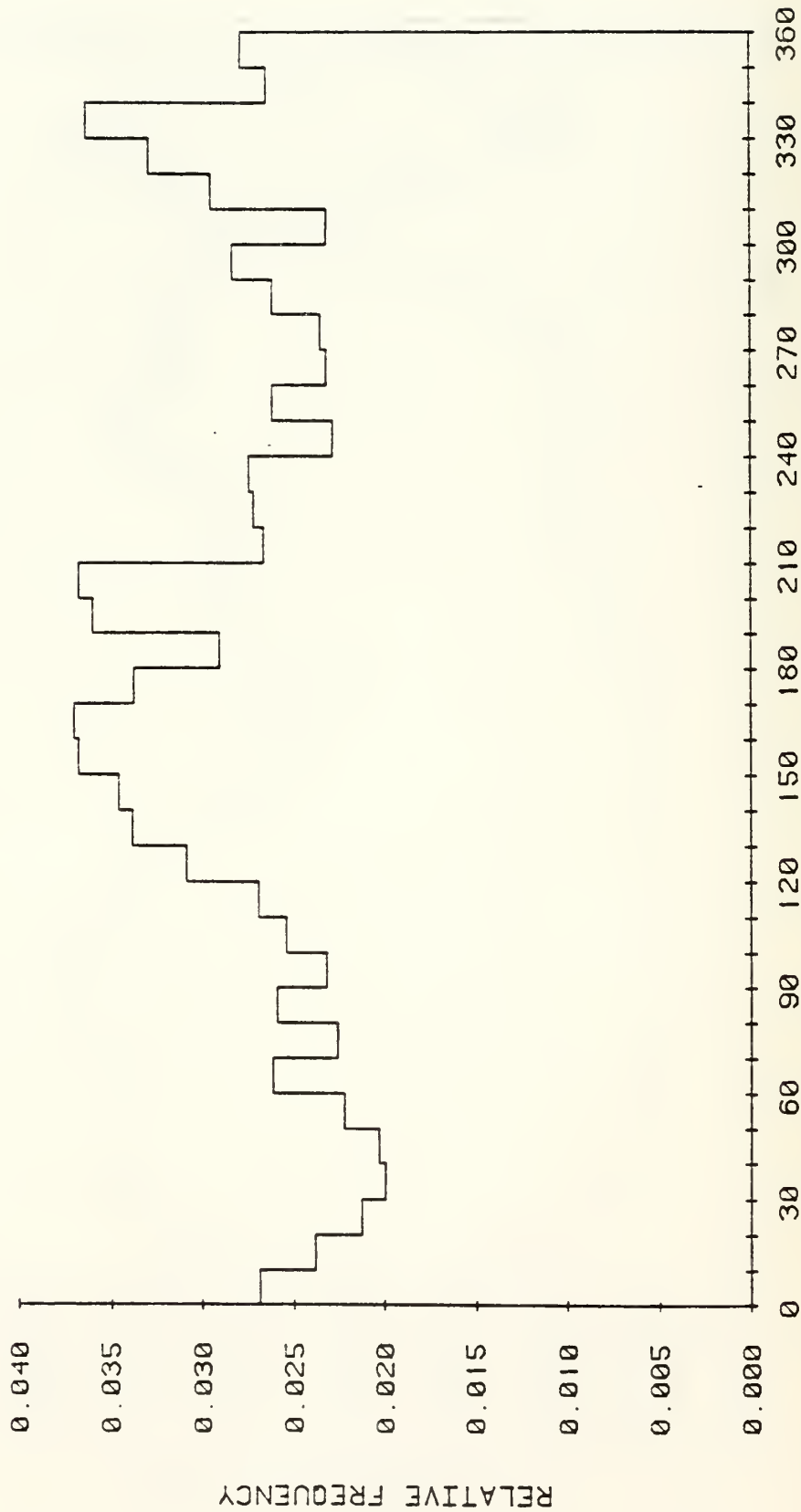


DIRECTION, DEGREES TRUE

237 M AT STN 2. 23 JUL 79 - 14 SEP 79. TAPE 1319/4.

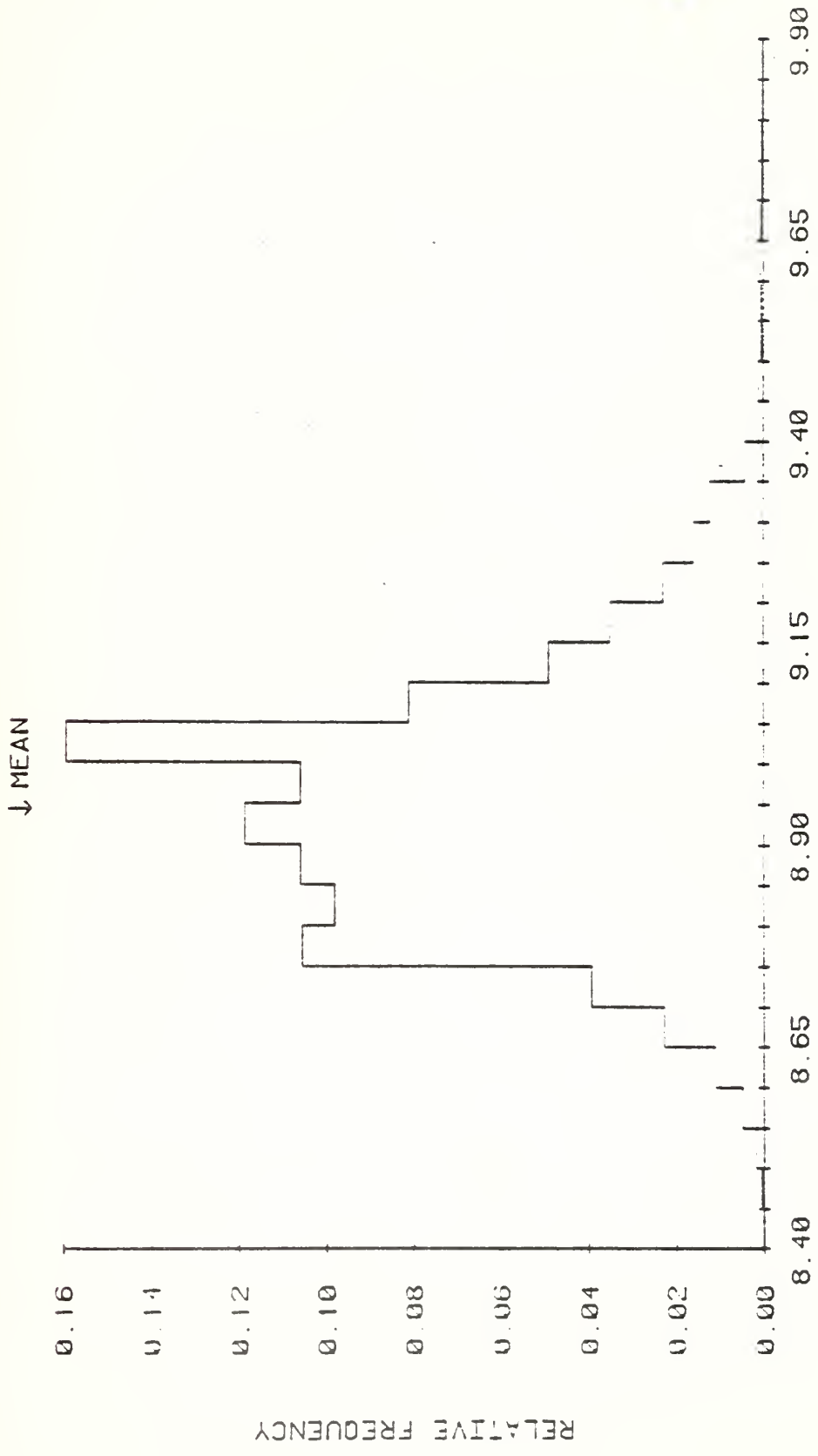


360 M AT STN 2. 23 JUL 79 - 16 SEP 79. TAPE 2759/D.



DIRECTION, DEGREES TRUE

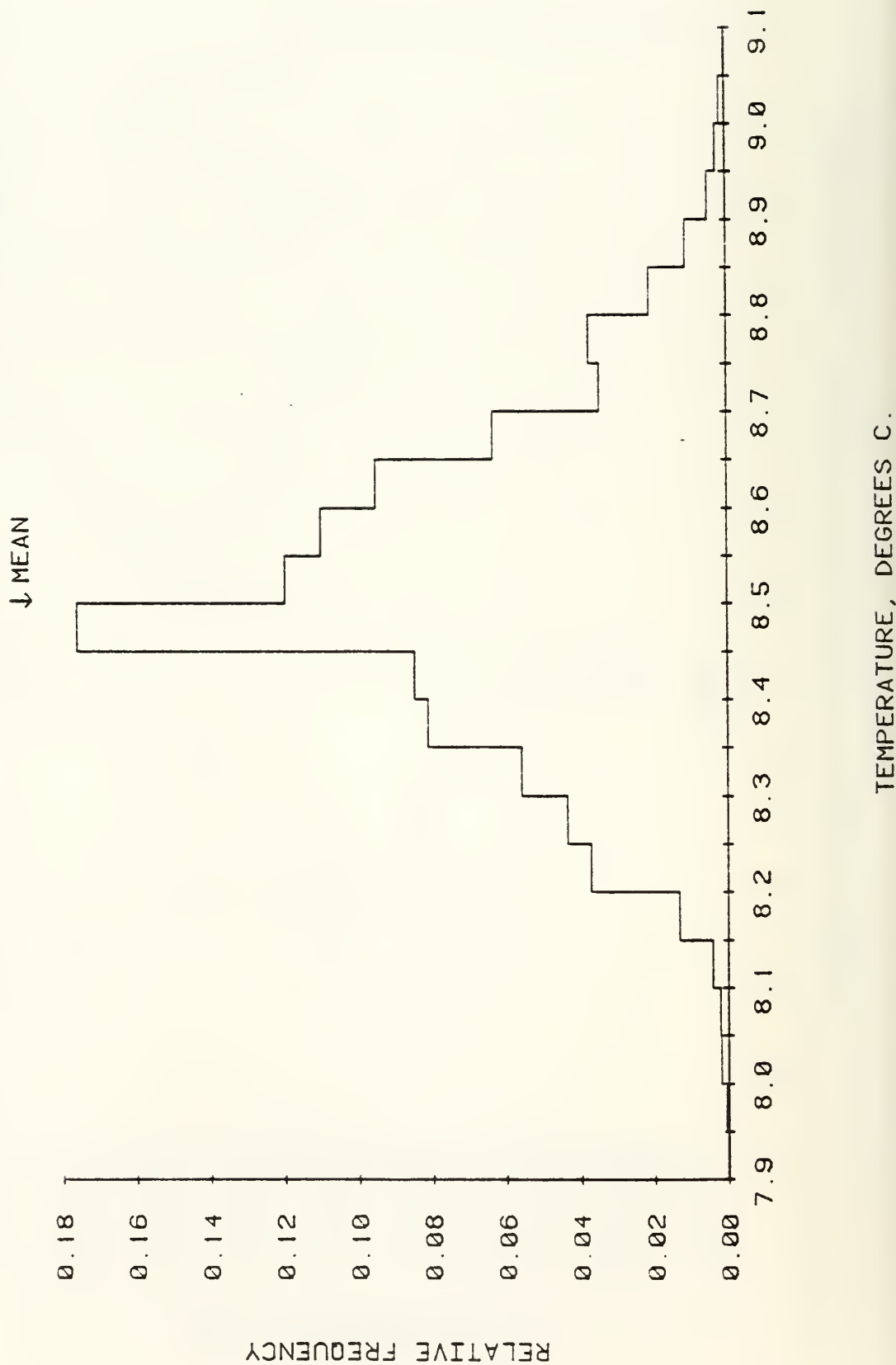
165 M AT STN 2. 23 JUL 79 - 15 SEP 79. TAPE 1965/4.



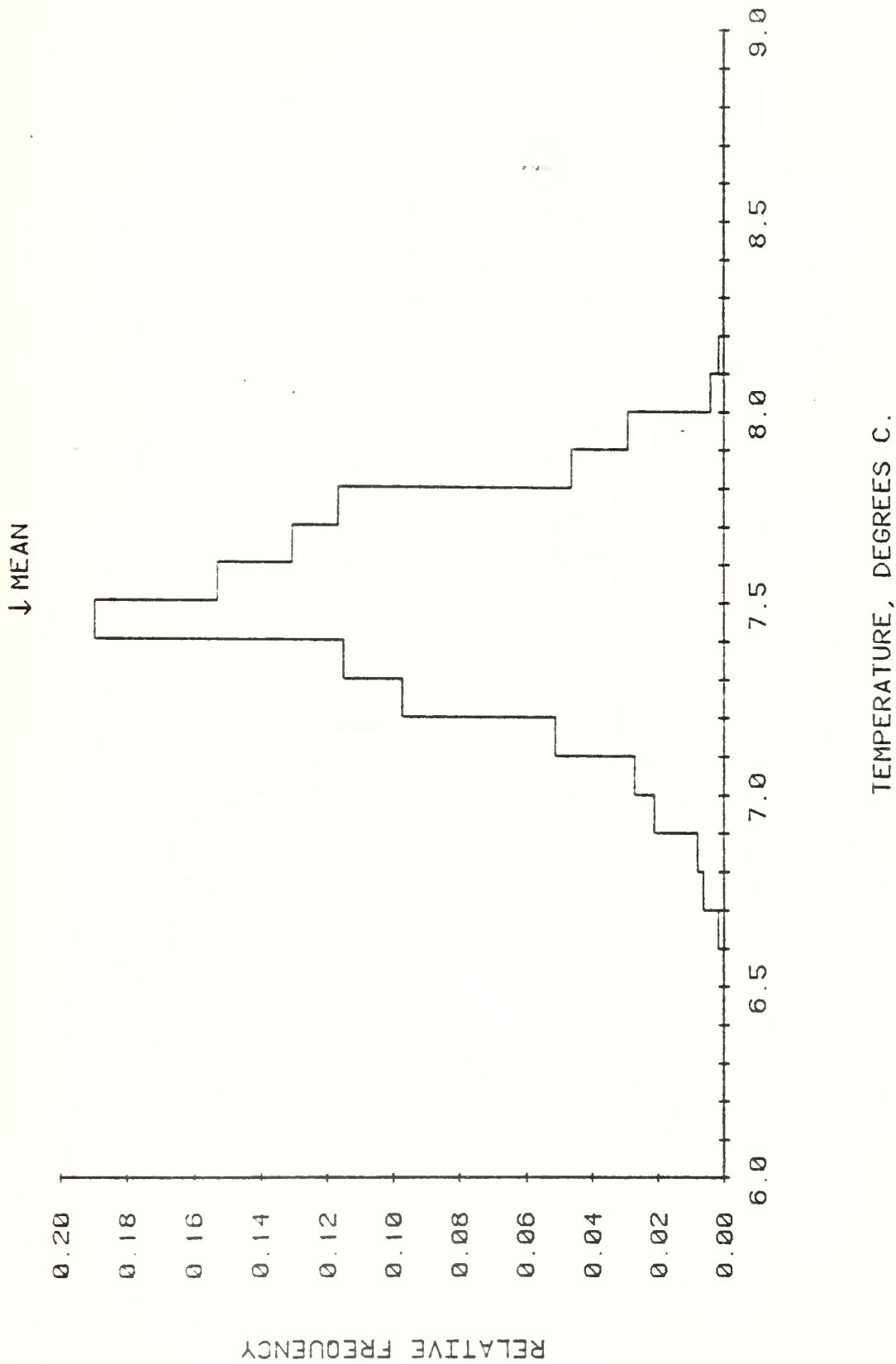
TEMPERATURE, DEGREES C.



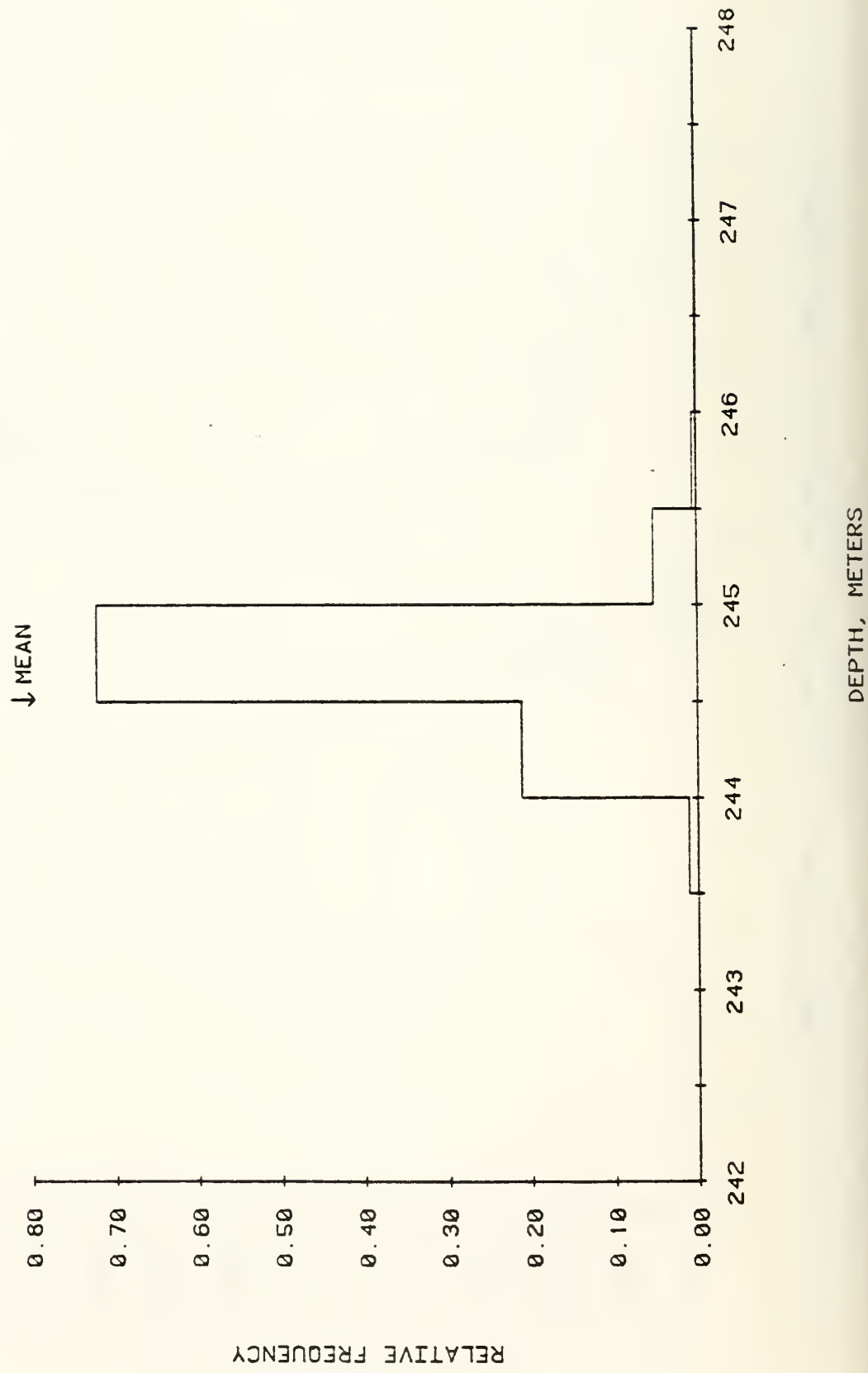
237 M AT STN 2. 23 JUL 79 - 14 SEP 79. TAPE 1319/4.



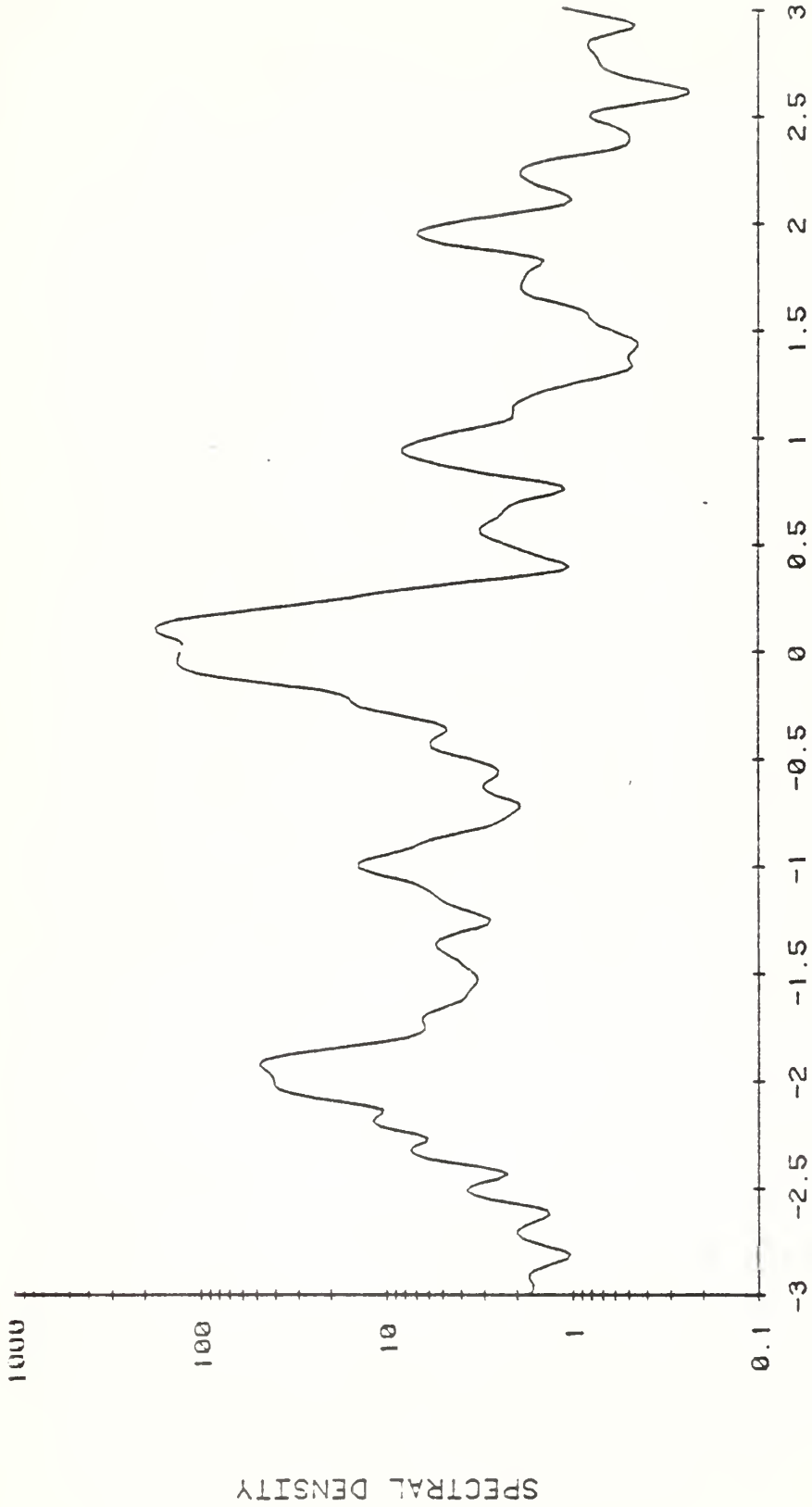
360 M AT STN 2. 23 JUL 79 - 16 SEP 79. TAPE 2759/D.



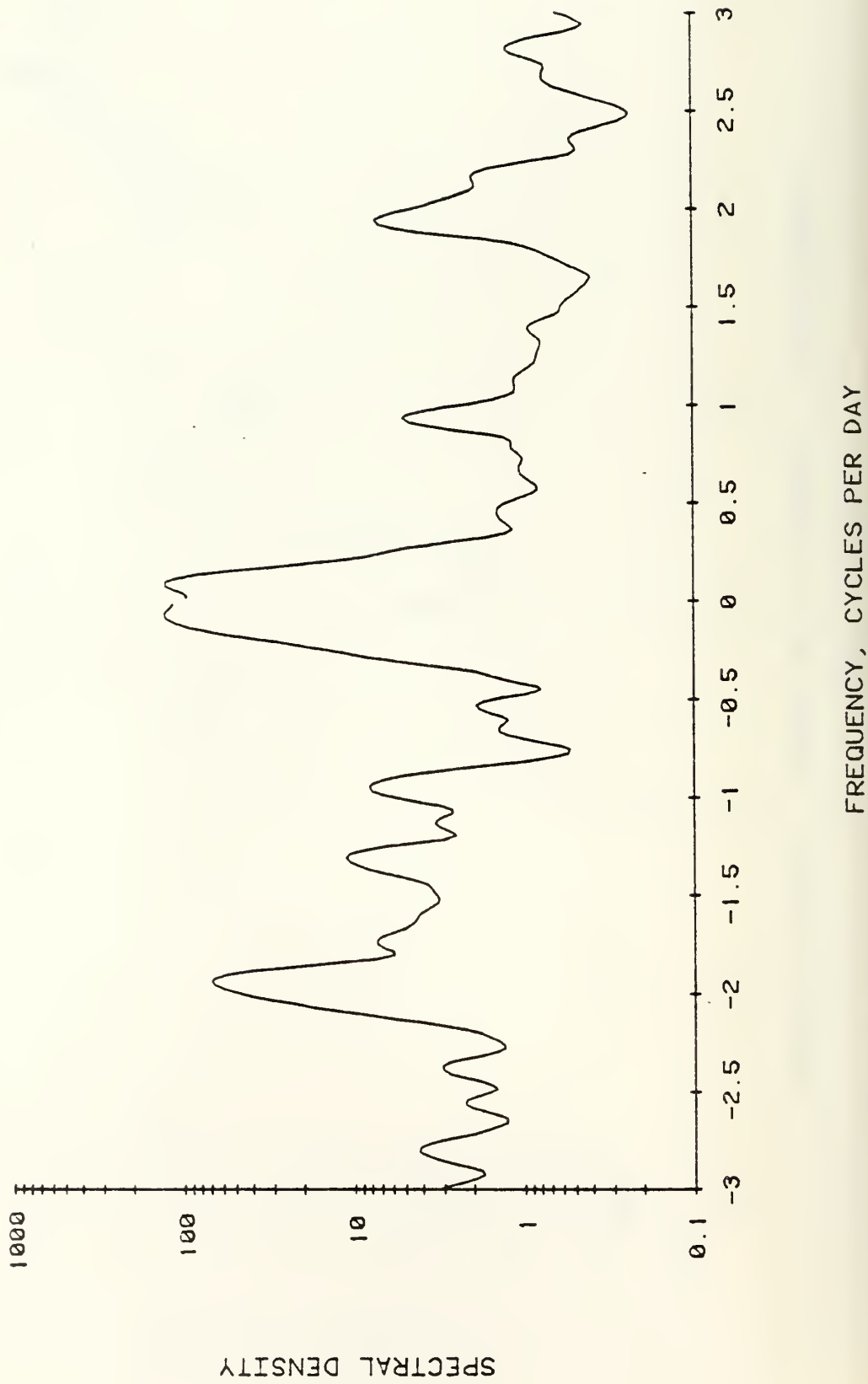
237 M AT STN 2. 23 JUL 79 - 14 SEP 79. TAPE 1319/4.



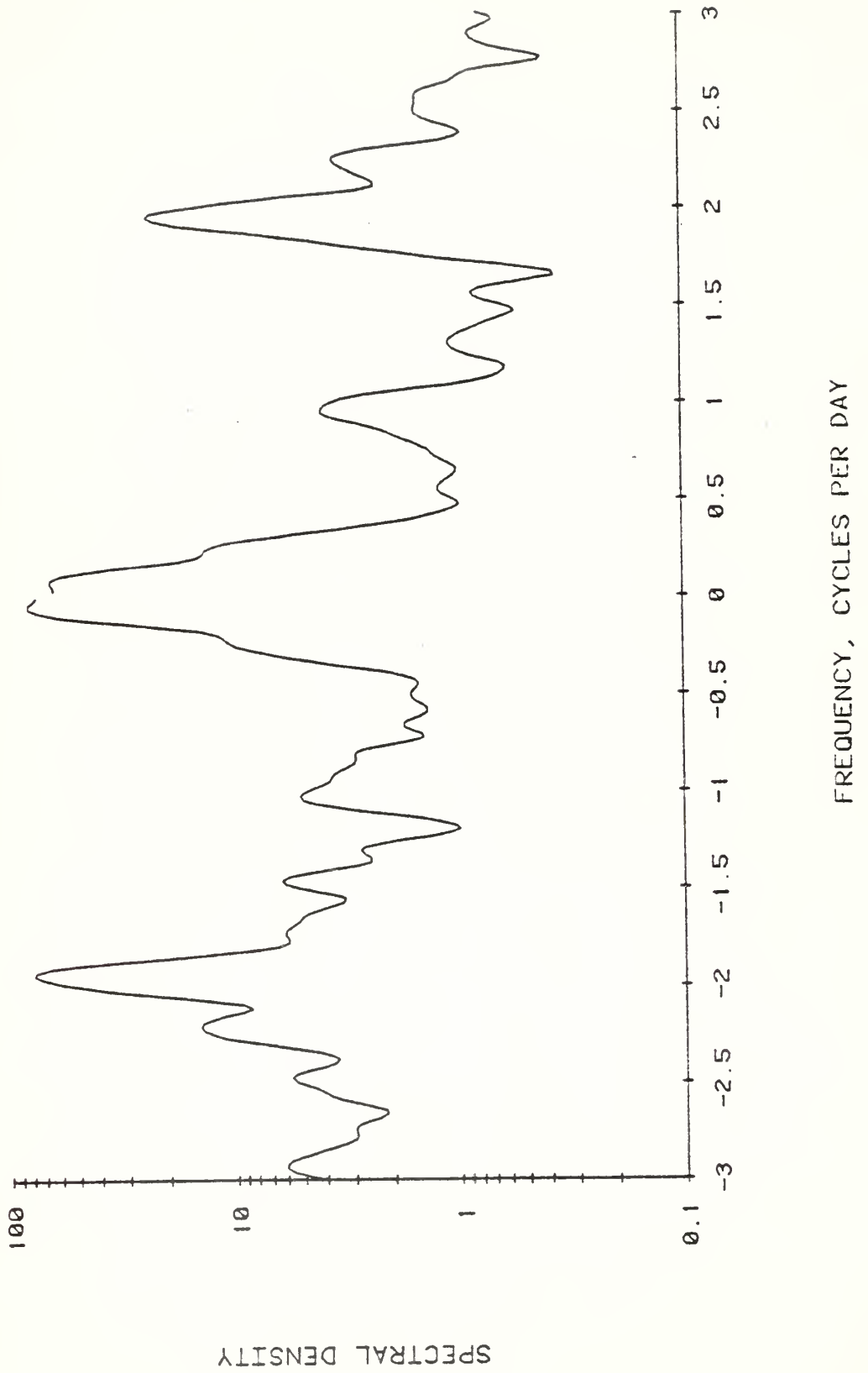
165 M AT STN 2. 23 JUL 79 - 15 SEP 79. TAPE 1965/4.



237 M AT STN 2. 23 JUL 79 - 14 SEP 79. TAPE 1319/4.

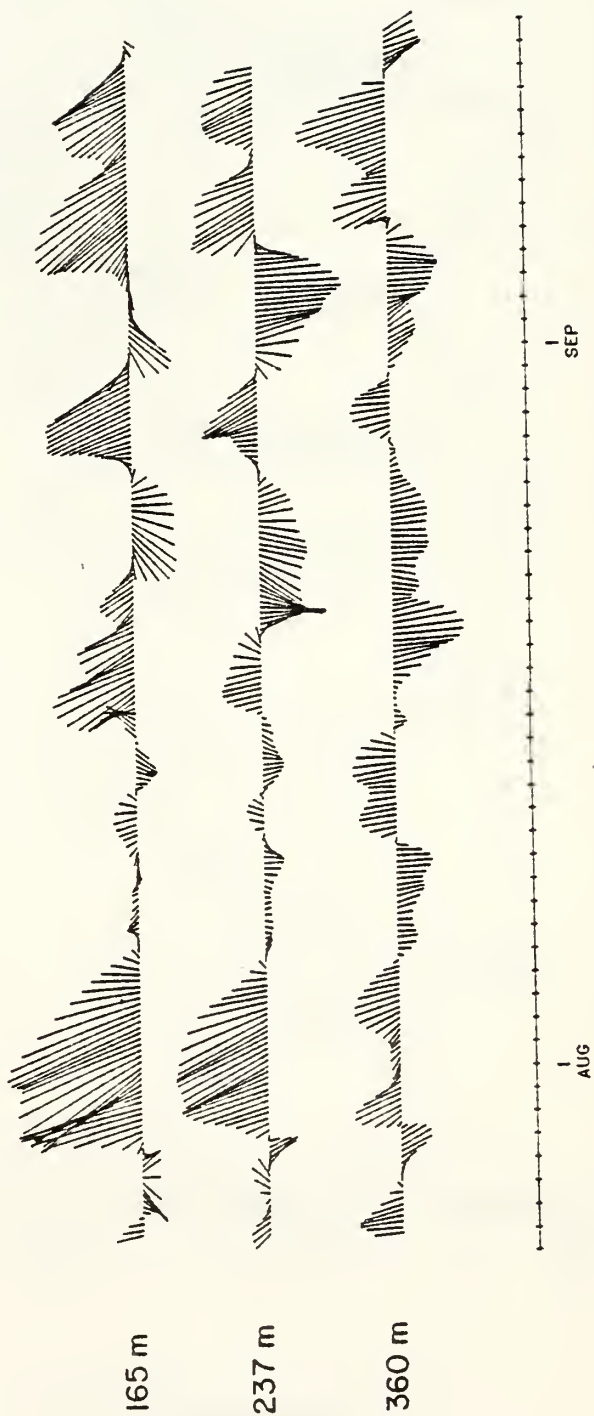


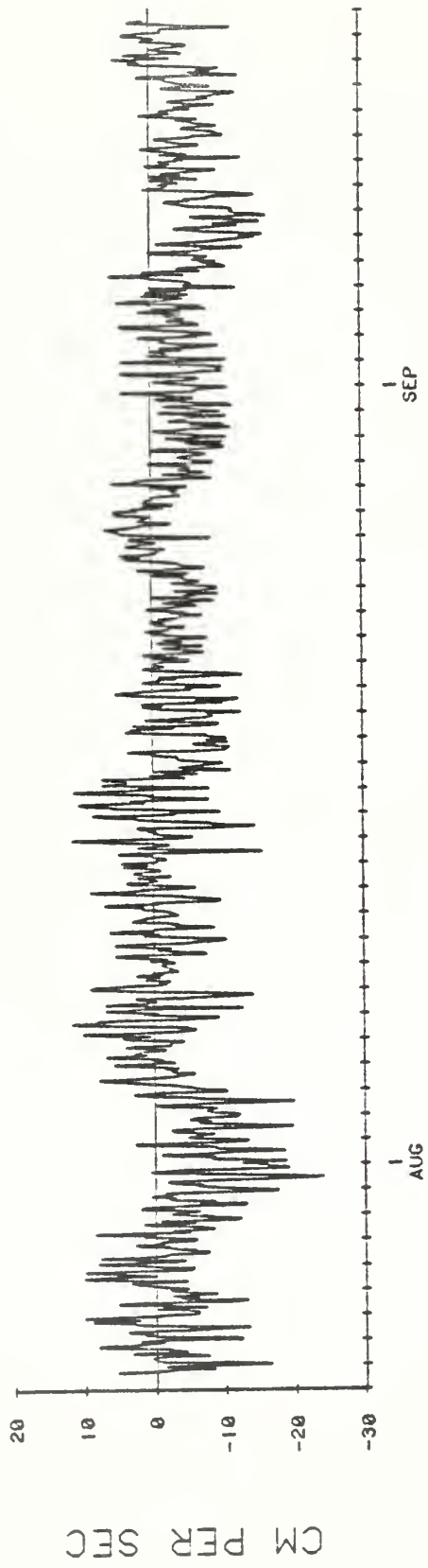
360 M AT STN 2. 23 JUL 79 - 16 SEP 79. TAPE 2759/D.



LLP FILTERED CURRENT AT STN 2. JULY - SEPTEMBER 1979.

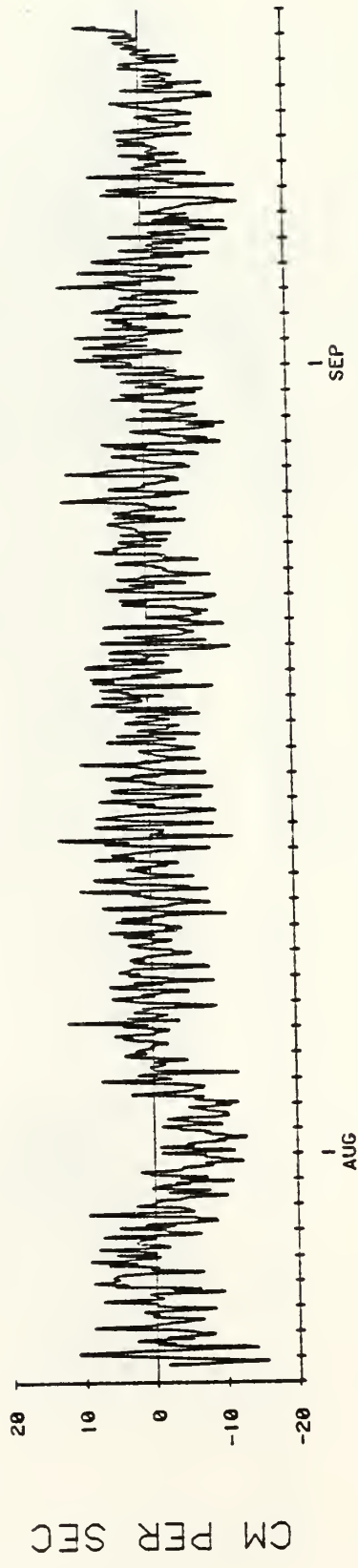
N  
20 cm/sec



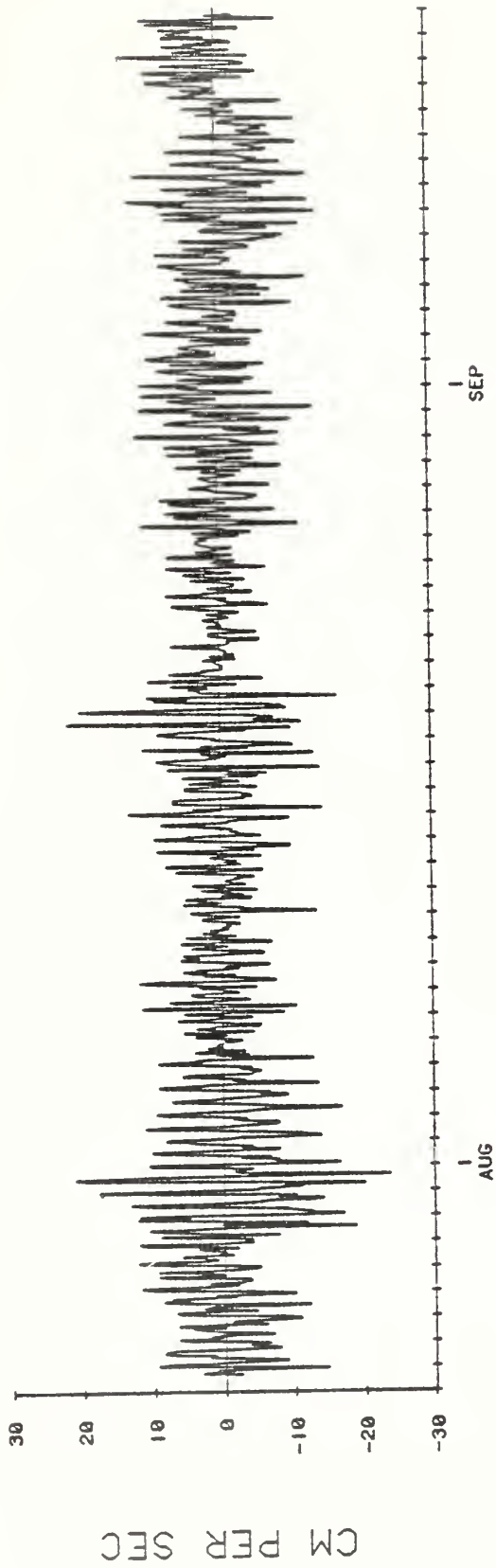


U COMPONENT . 165 M AT STN 2.

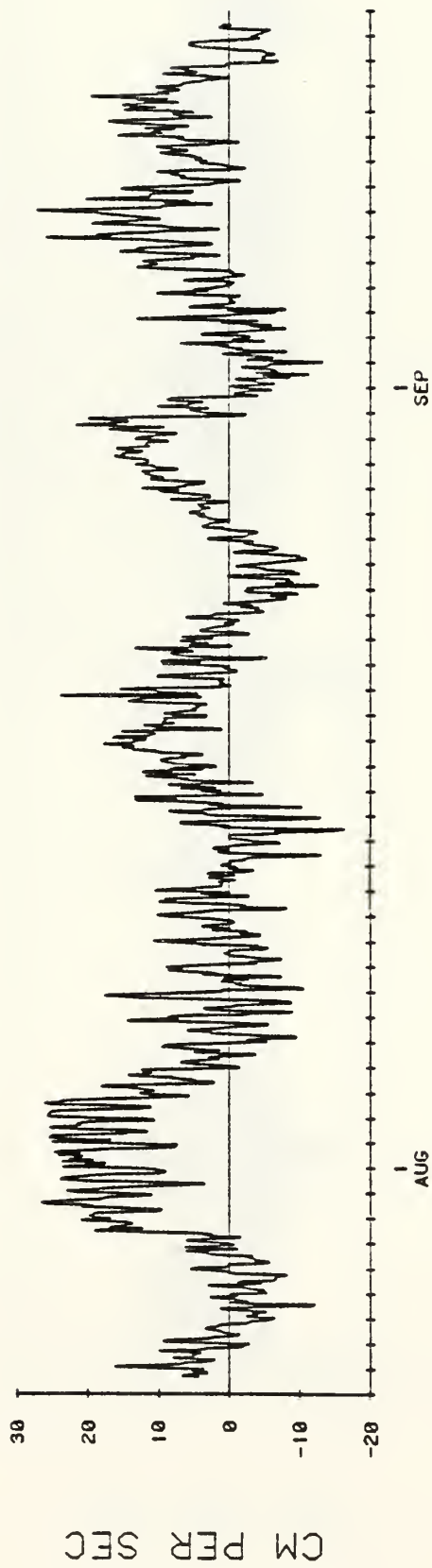




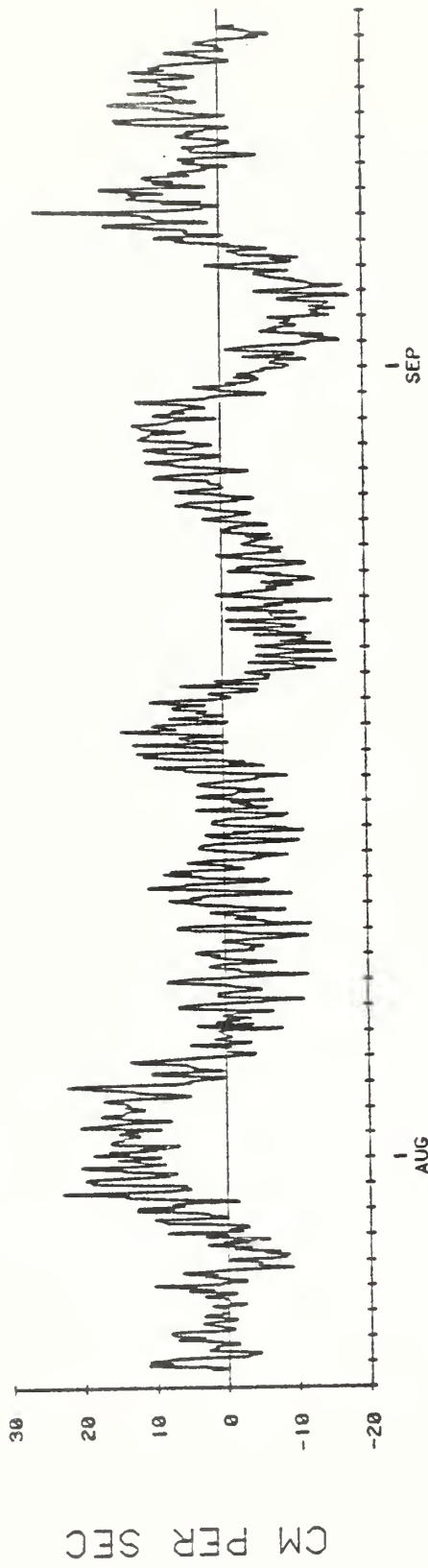
U COMPONENT . 237 M AT STN 2 .



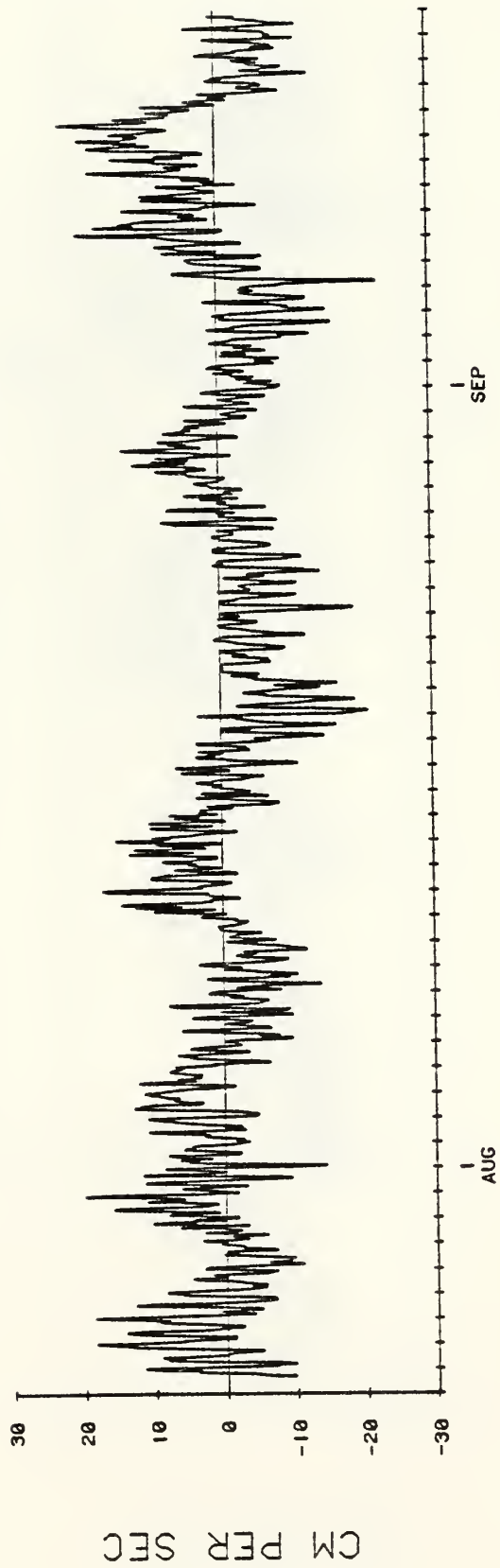
U COMPONENT . 360 M AT STN 2 .



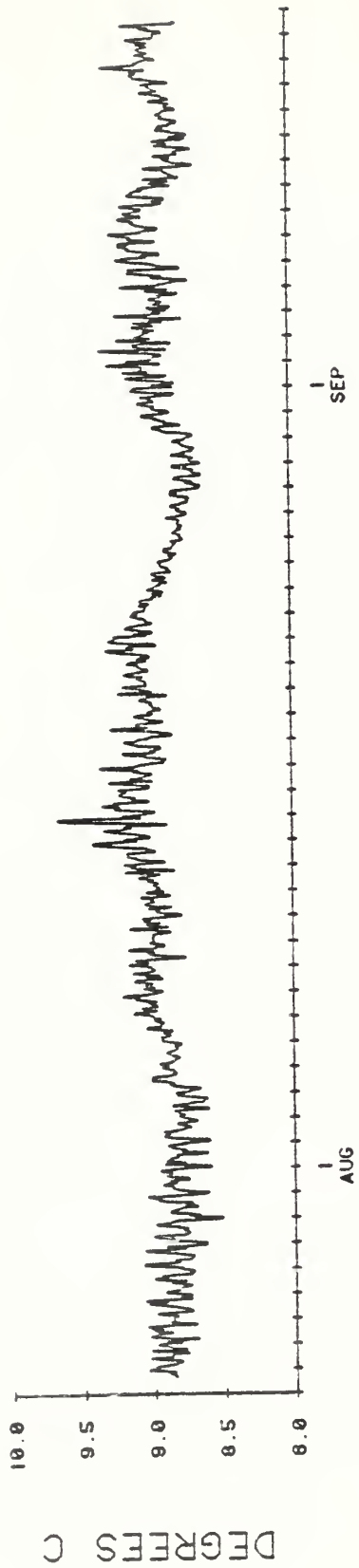
V COMPONENT . 165 M AT STN 2 .



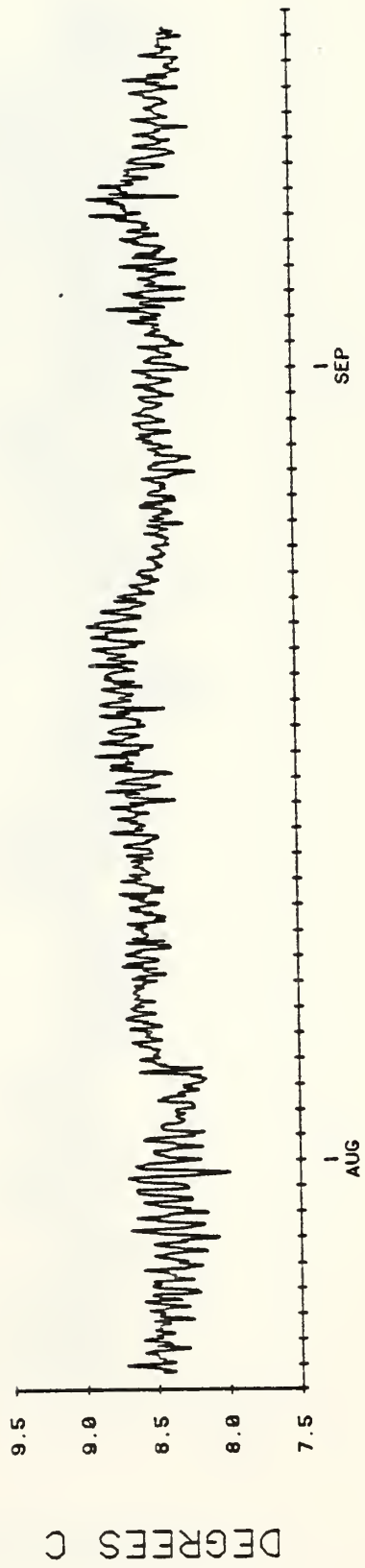
V COMPONENT. 237 M AT STN 2.



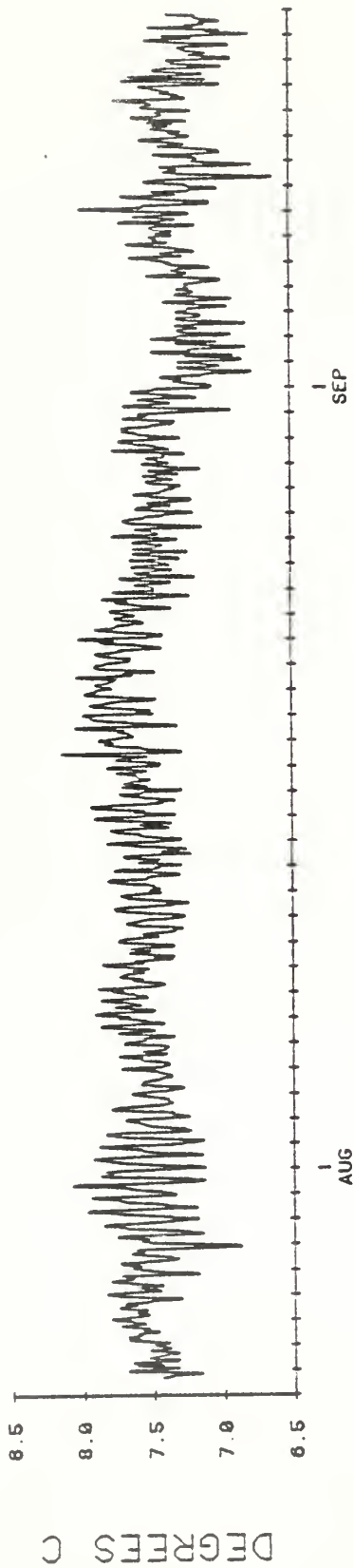
V COMPONENT . 360 M AT STN 2 .



TEMPERATURE. 165 M AT STN 2.

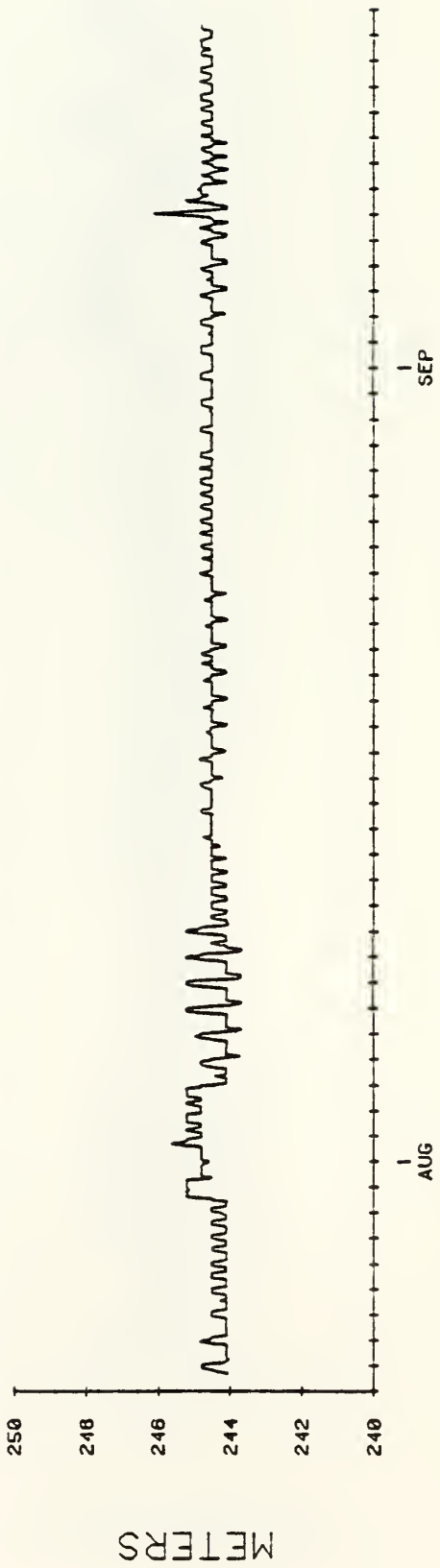


TEMPERATURE. 237 M AT STN 2.



TEMPERATURE. 360 M AT STN 2.





DEPTH (FROM PRESSURE) OF RCM 1319 AT STN 2

STATION 7 - 35° 52.2'N, 121° 46.4'W  
 8 OCT 79 - 2 DEC 79

Record #23, Depth 127 m

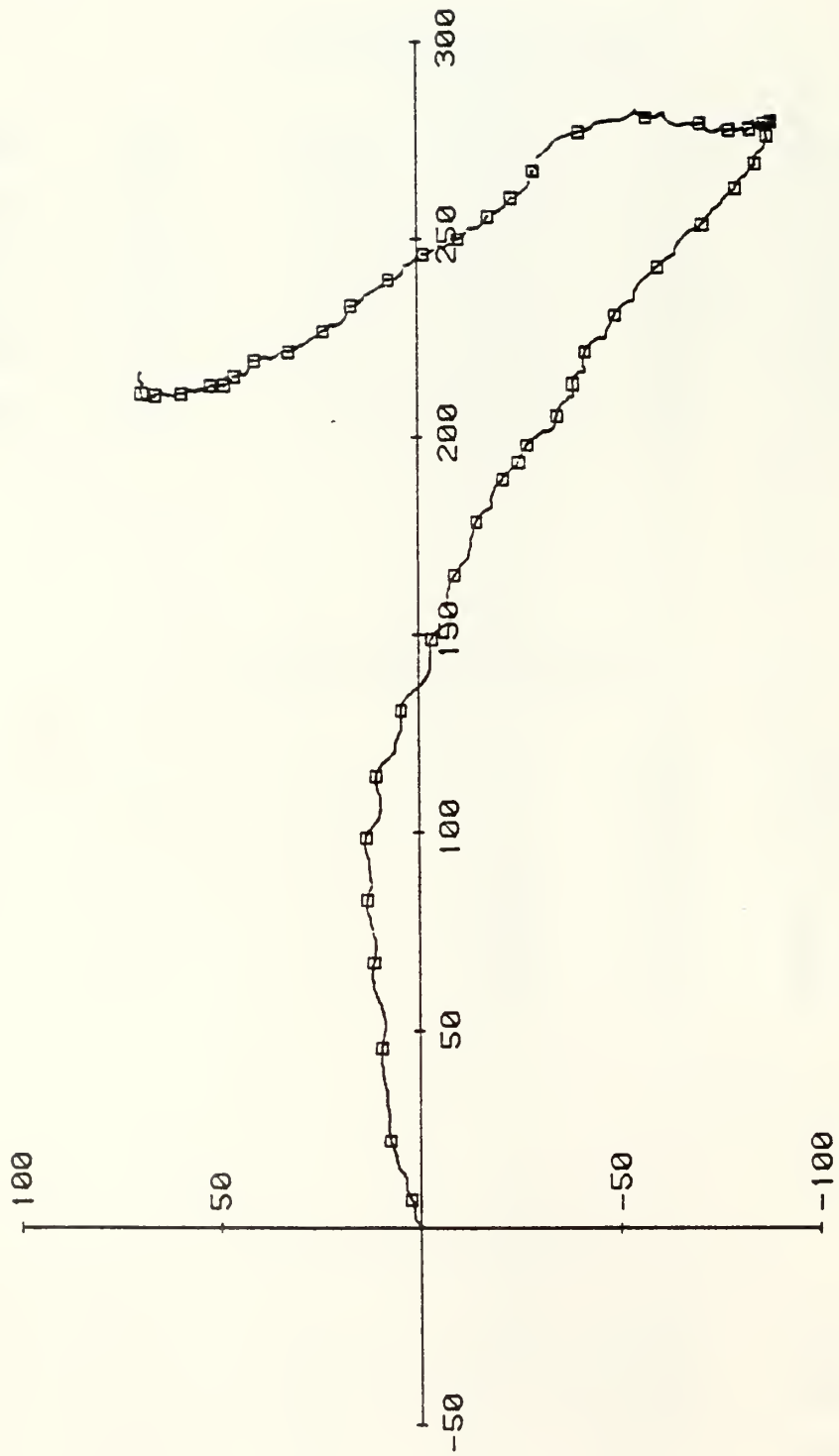
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	14.47	8.40	0.54	2.99	0.80	44.60	6705
U(cm/s)	5.38	12.11	0.22	2.49	-25.10	41.10	6705
V(cm/s)	1.73	10.07	0.07	3.52	-32.70	38.90	6705
T(°C)	9.31	0.21	0.05	2.06	8.77	9.82	6705

Record #24, Depth 200 m

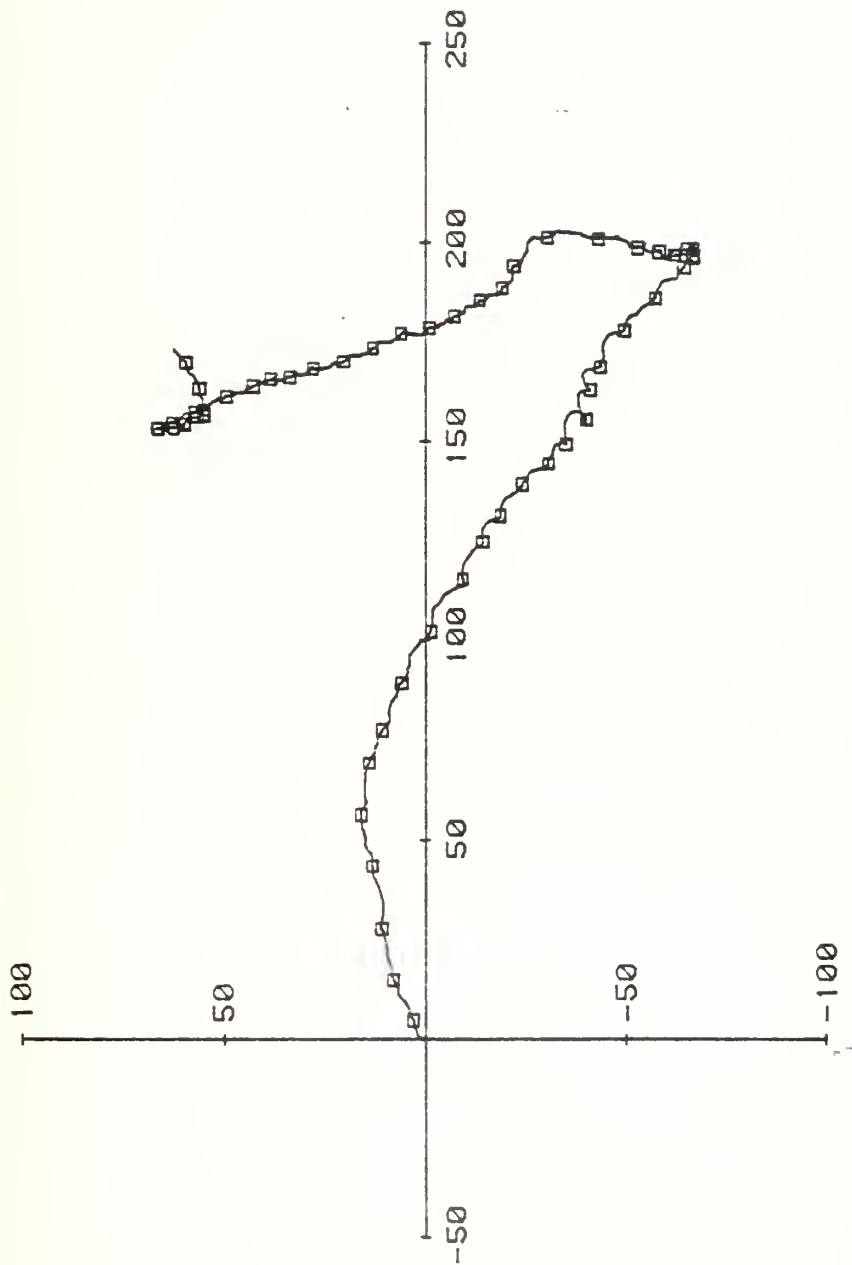
S(cm/s)	10.60	6.48	0.64	3.27	0.80	37.60	7817
U(cm/s)	3.68	8.65	0.42	3.06	-22.30	37.30	7817
V(cm/s)	1.34	8.02	-0.11	3.39	-30.50	30.30	7817
T(°C)	8.50	0.32	0.07	2.23	7.58	9.25	7817

Record #26, Depth 524 m

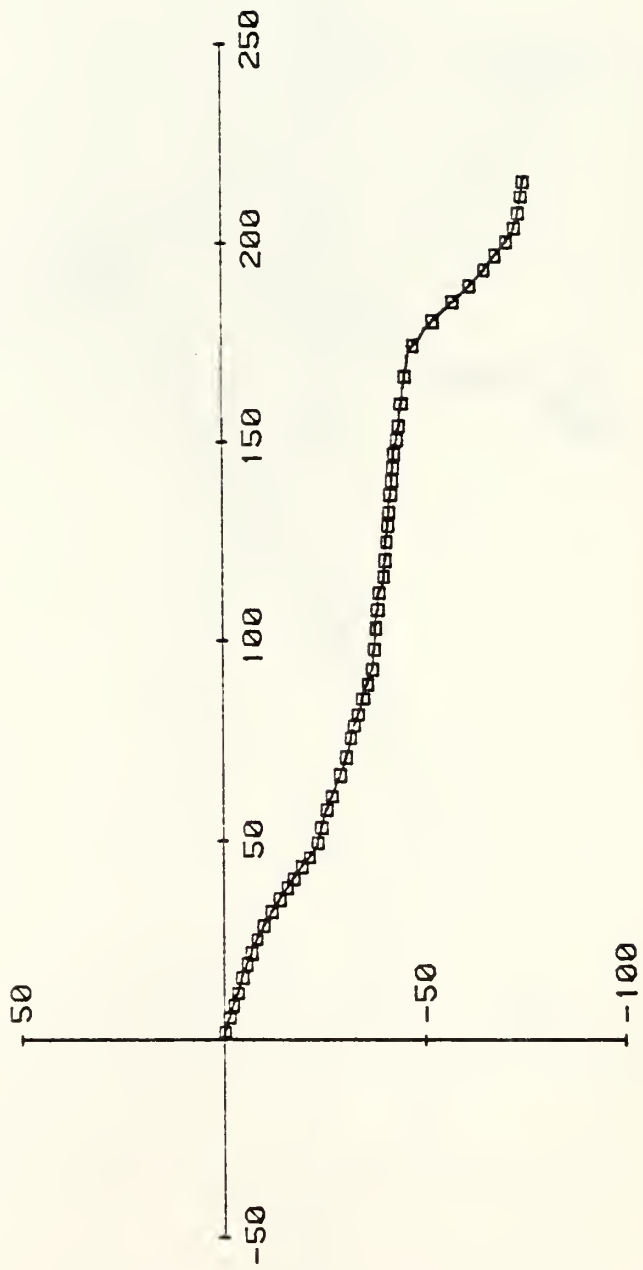
S(cm/s)	4.99	2.56	0.28	2.82	0.80	15.50	7901
U(cm/s)	4.56	2.38	0.32	2.94	0.50	14.10	7901
V(cm/s)	-1.59	1.54	-1.62	5.64	-10.20	0.10	7901
T(°C)	5.99	0.21	0.12	2.24	5.49	6.59	7901



127 M AT STN 7. 8 OCT 79 - 23 NOV 79. TAPE 2760/3.

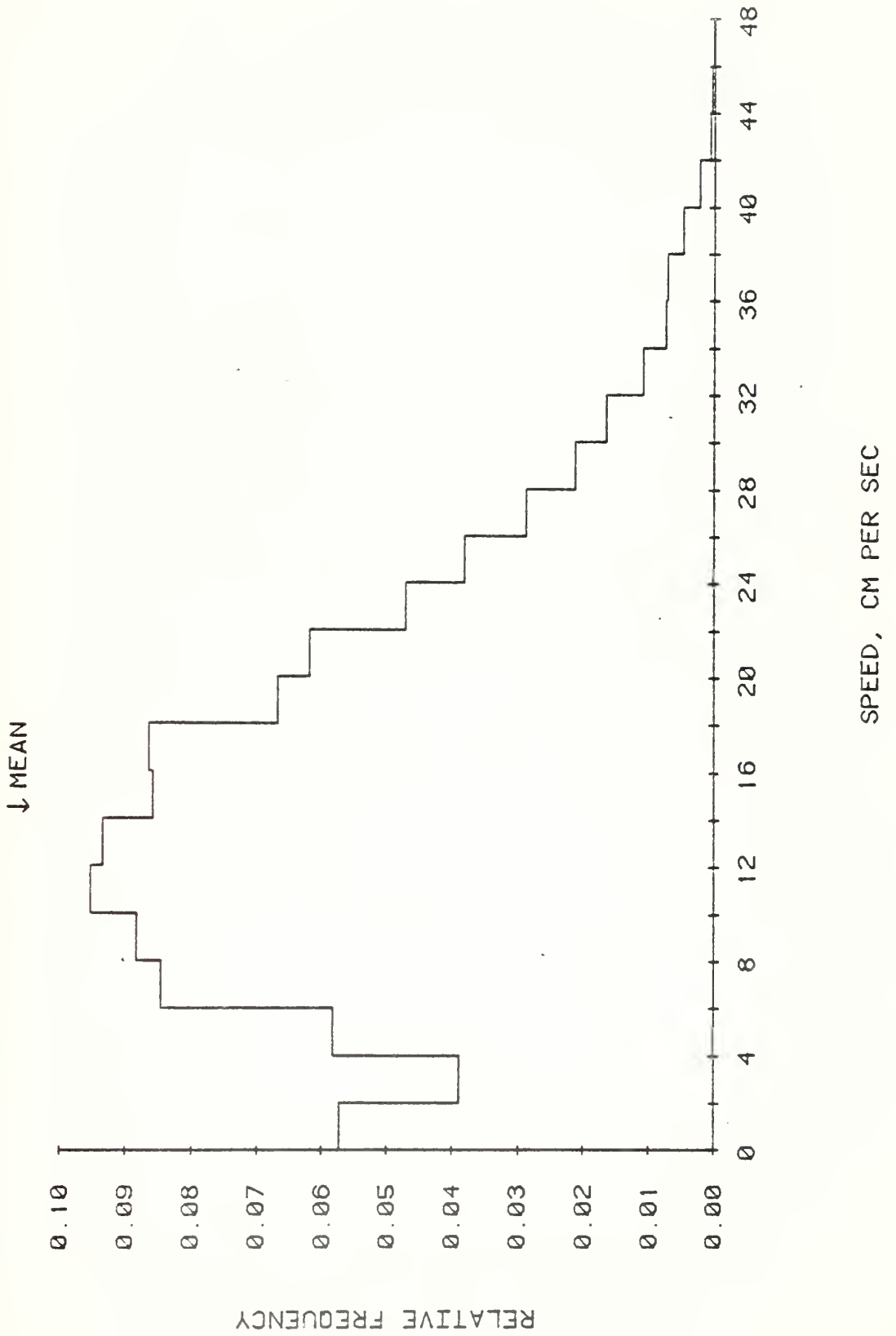


200 M AT STN 7. 8 OCT 79 - 1 DEC 79. TAPE 842/10.

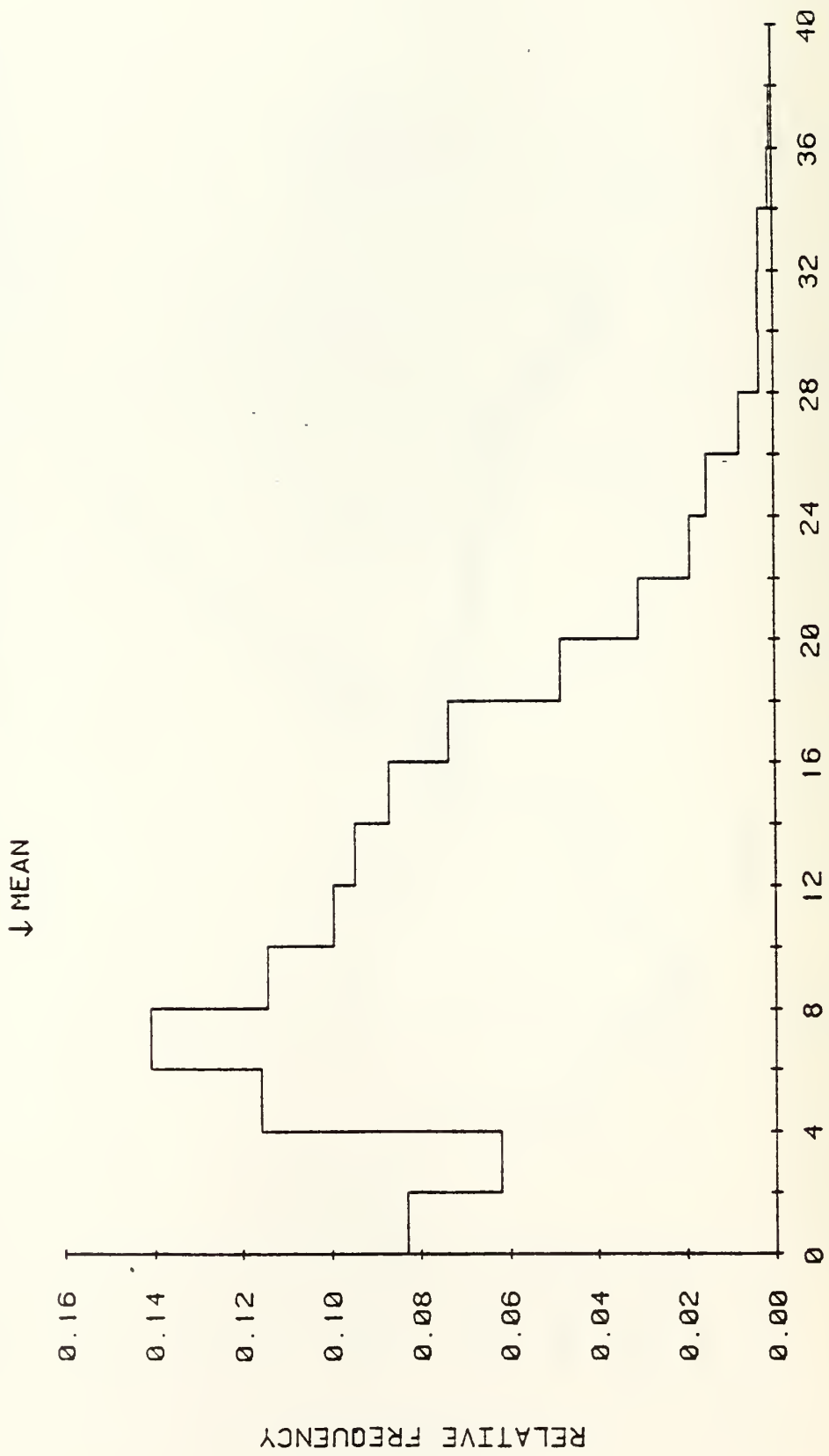


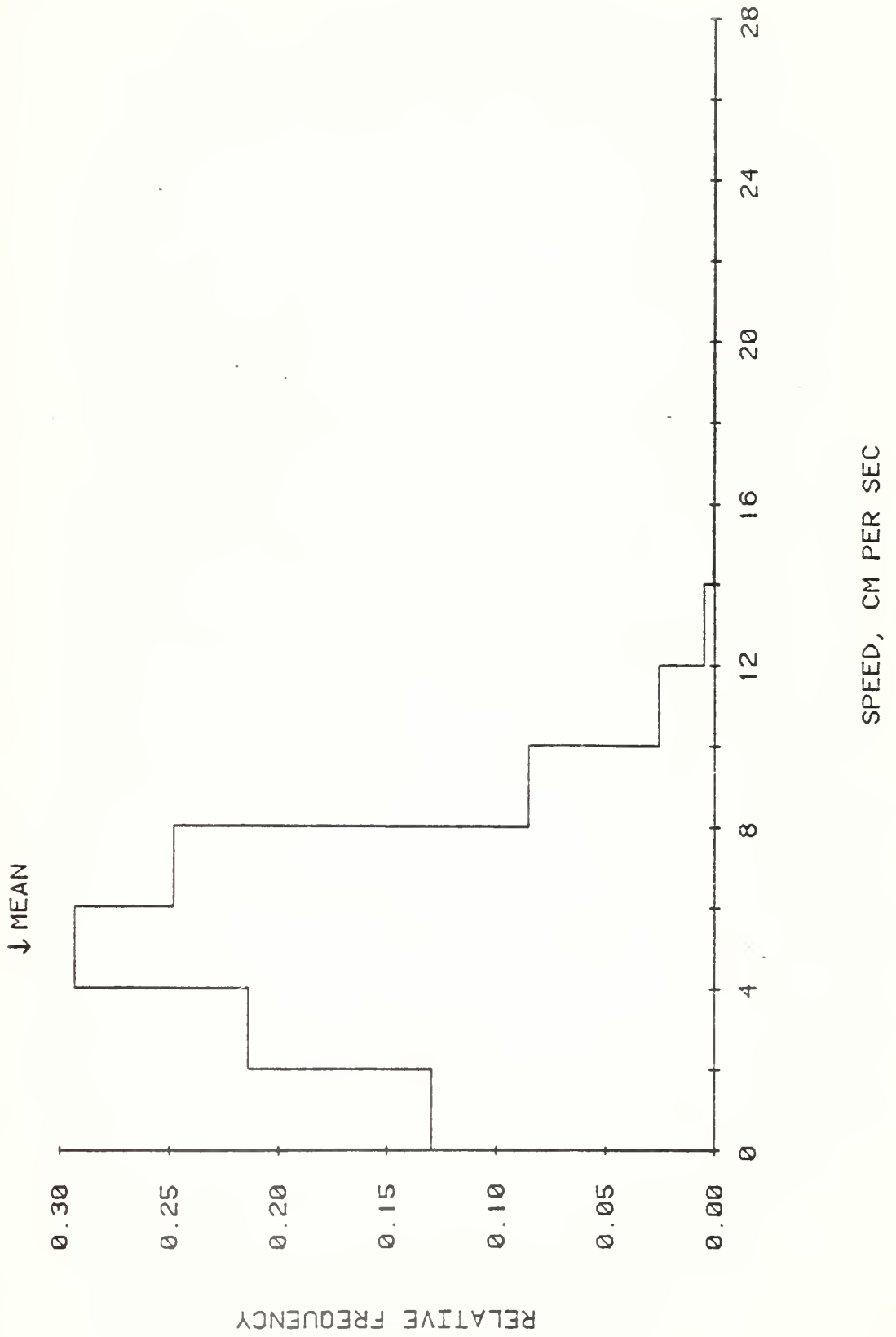
524 M AT STN 7. 8 OCT 79 - 2 DEC 79. TAPE 1495/5.

127 M AT STN 7. 8 OCT 79 - 23 NOV 79. TAPE 2760/3.



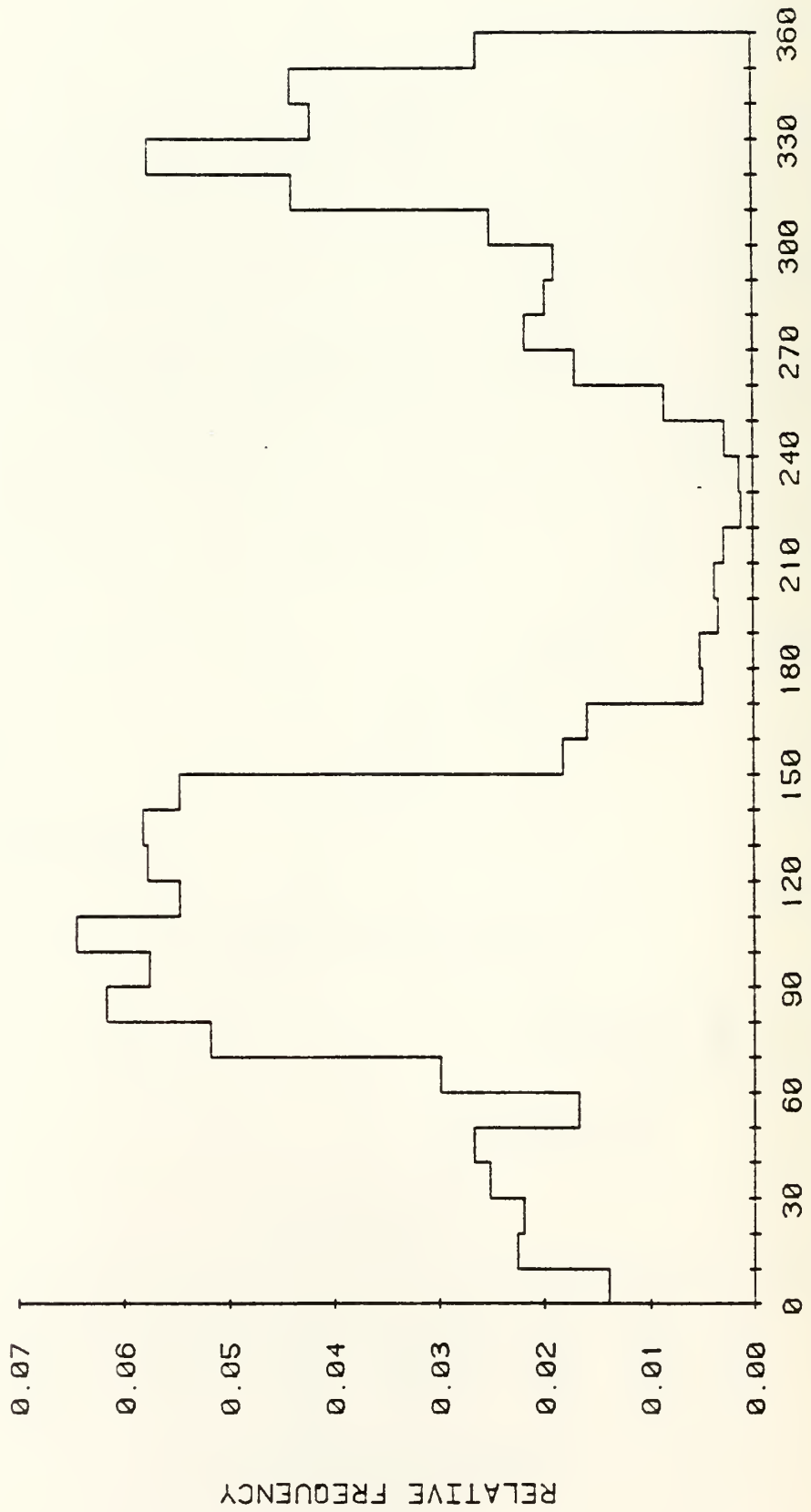
200 M AT STN 7. 8 OCT 79 - 1 DEC 79. TAPE 842/10.





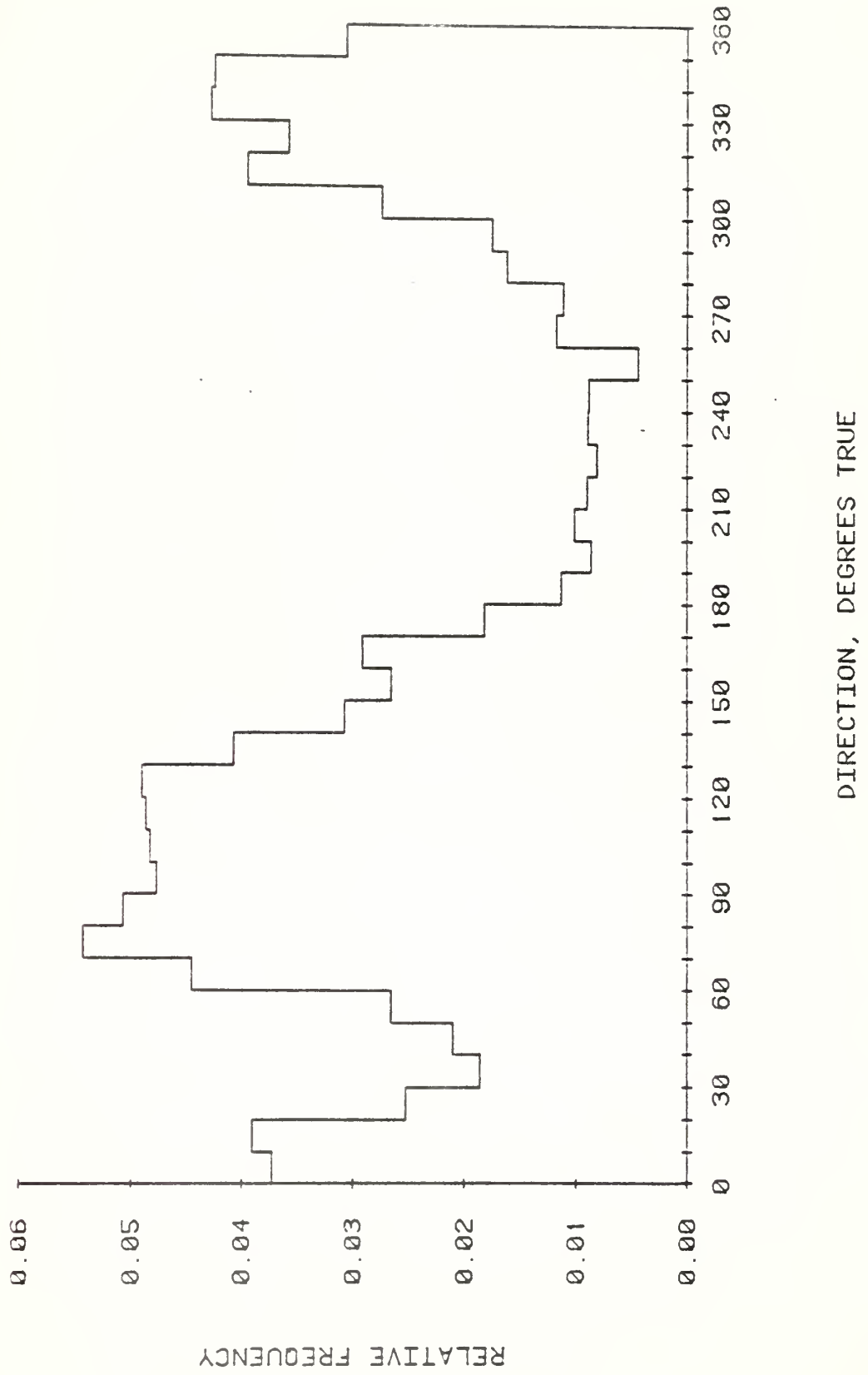


127 M AT STN 7. 8 OCT 79 - 23 NOV 79. TAPE 2760/3.

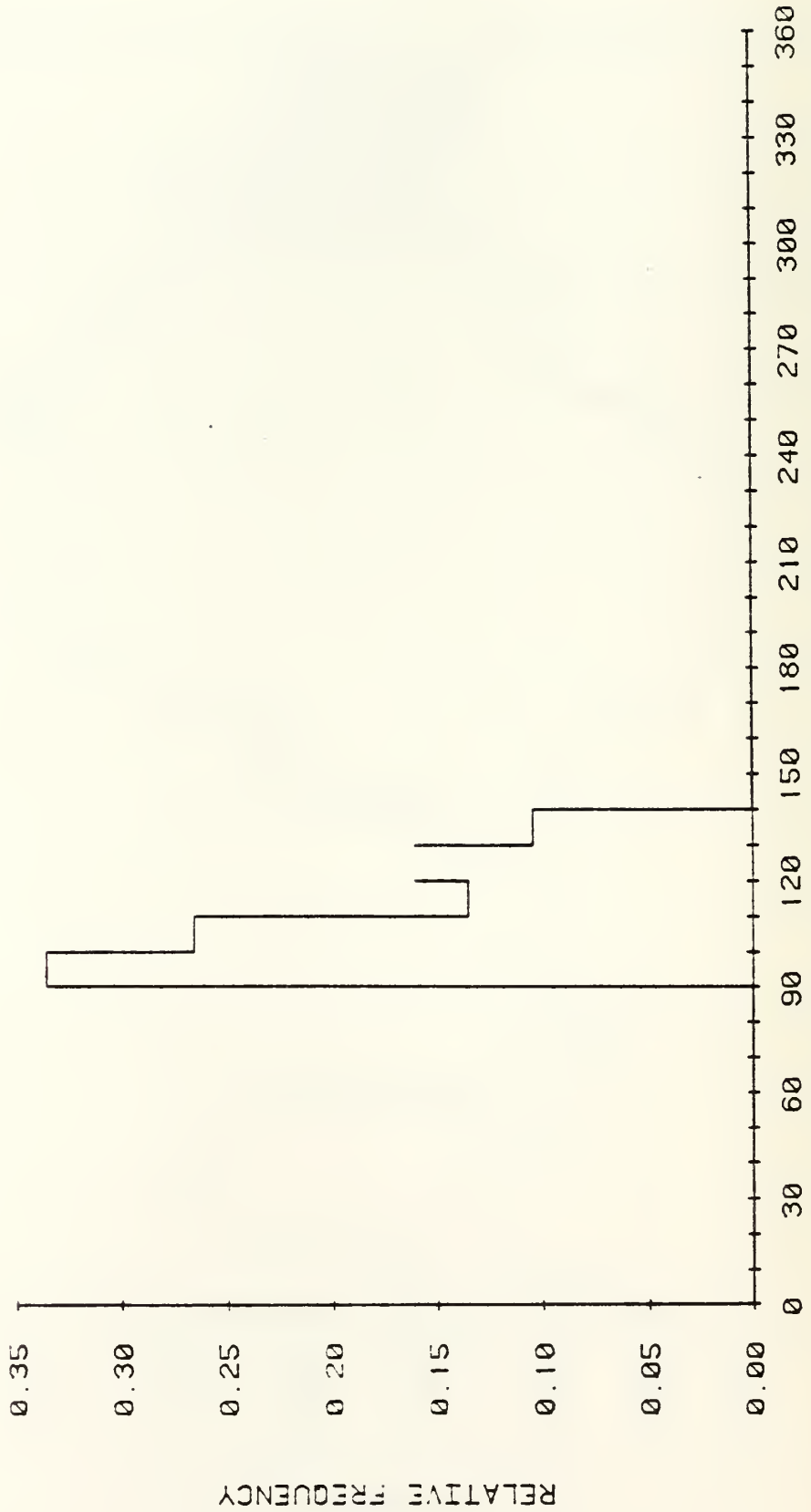


DIRECTION, DEGREES TRUE

200 M AT STN 7. 8 OCT 79 - 1 DEC 79. TAPE 842/10.

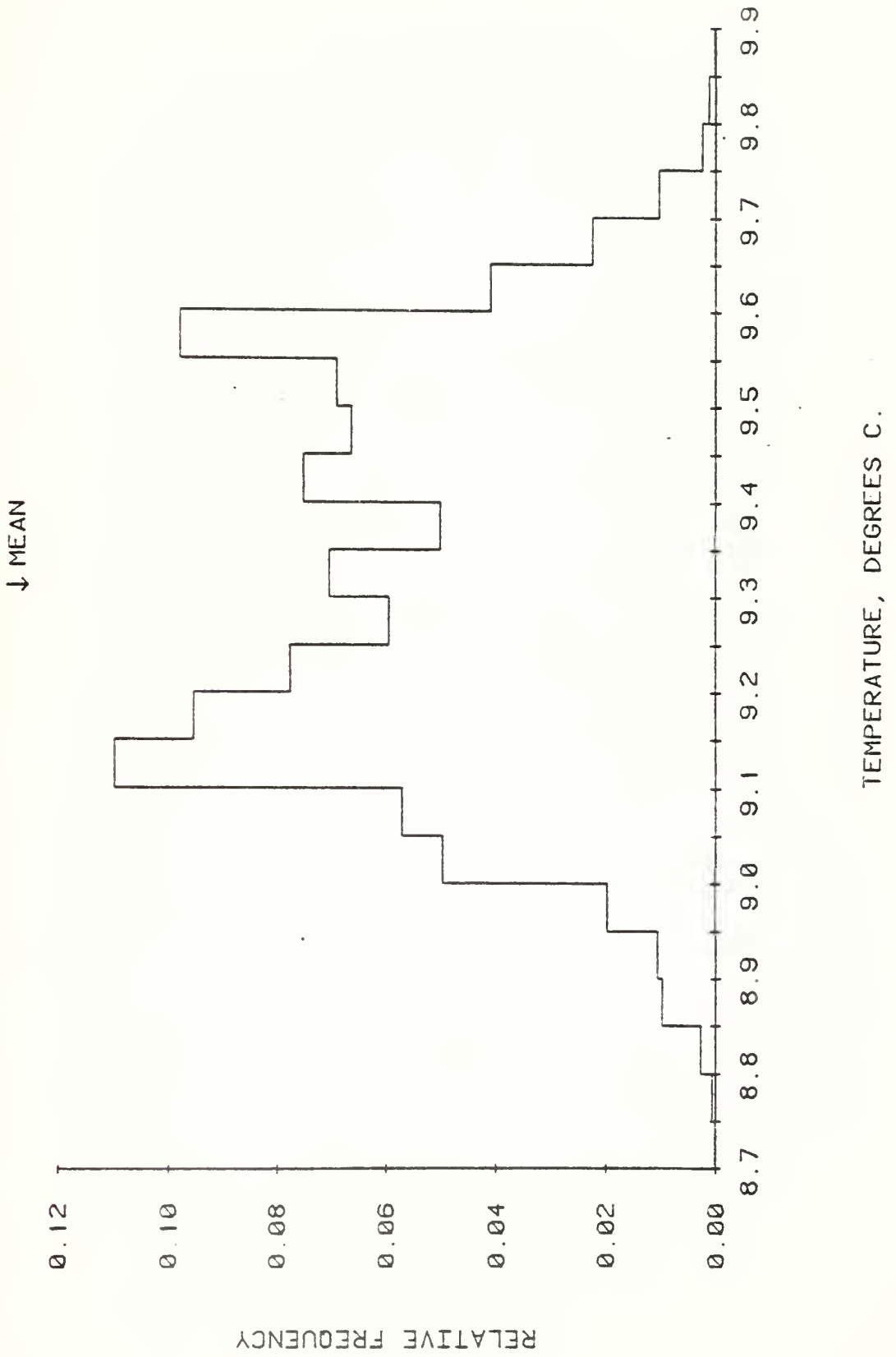


524 M AT STN 7. 8 OCT 79 - 2 DEC 79. TAPE 1495/5.



DIRECTION, DEGREES TRUE

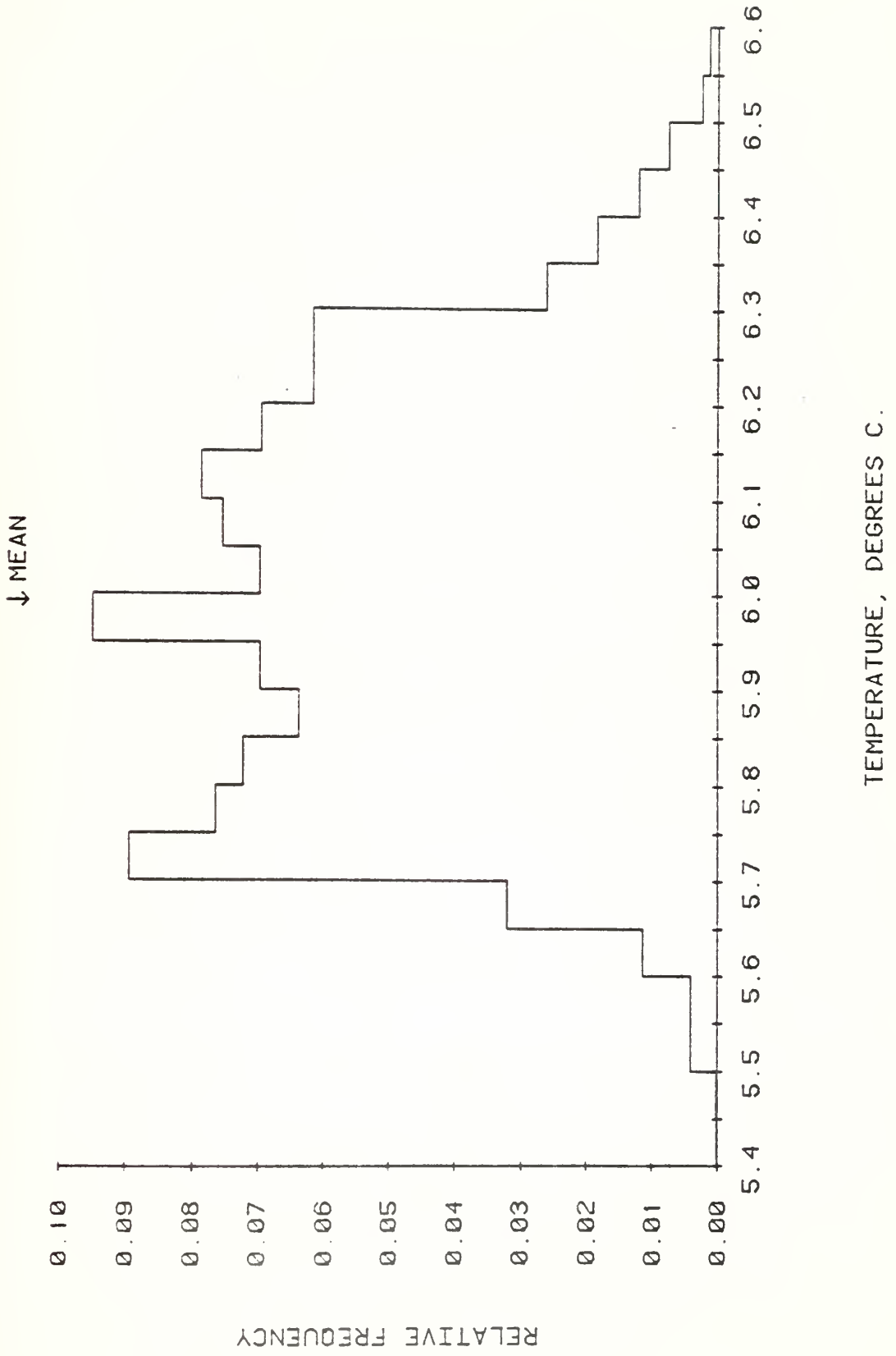
127 M AT STN 7. 8 OCT 79 - 23 NOV 79. TAPE 2760/3.



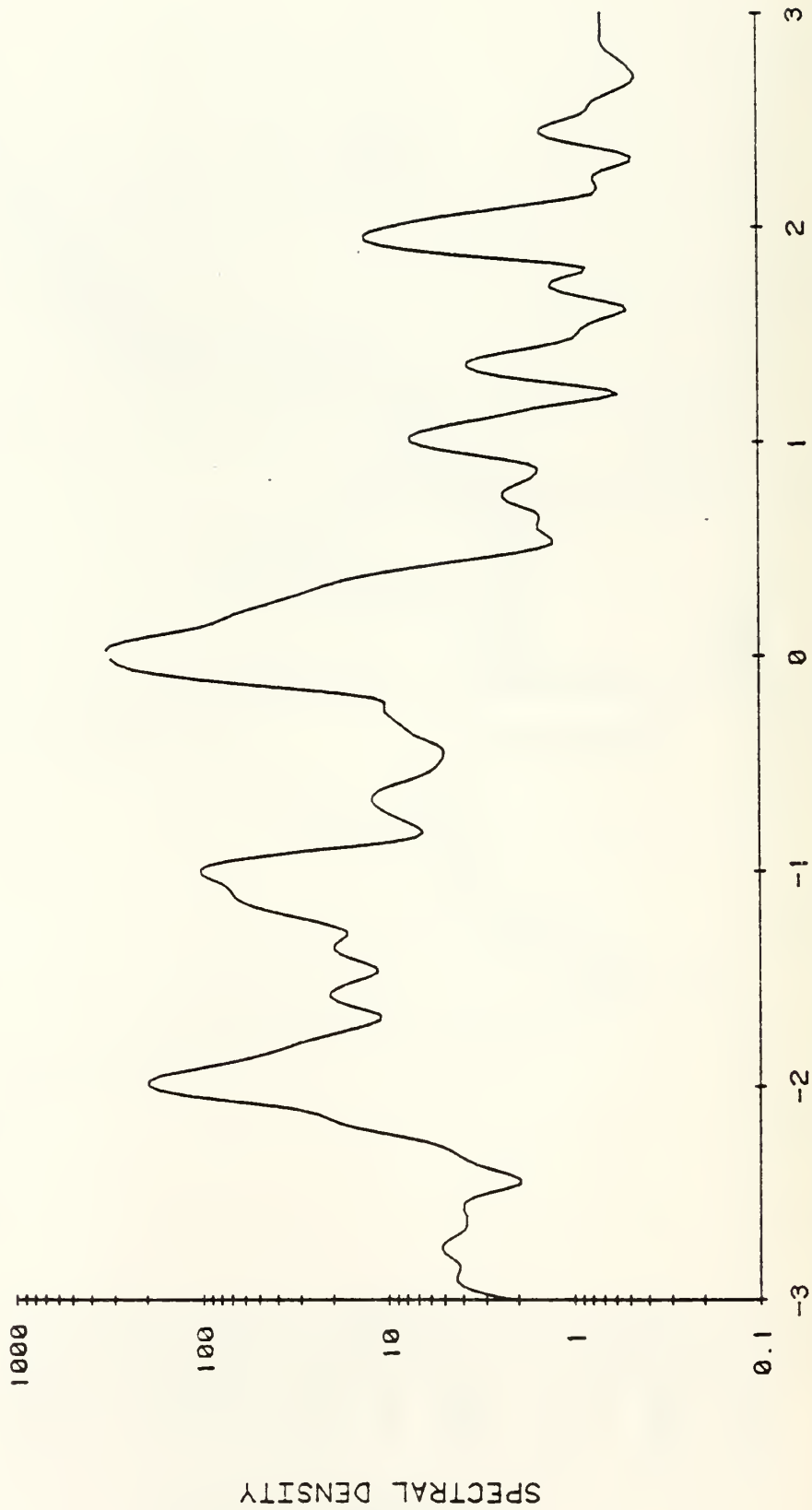
200 M AT STN 7. 8 OCT 79 - 1 DEC 79. TAPE 842/10.



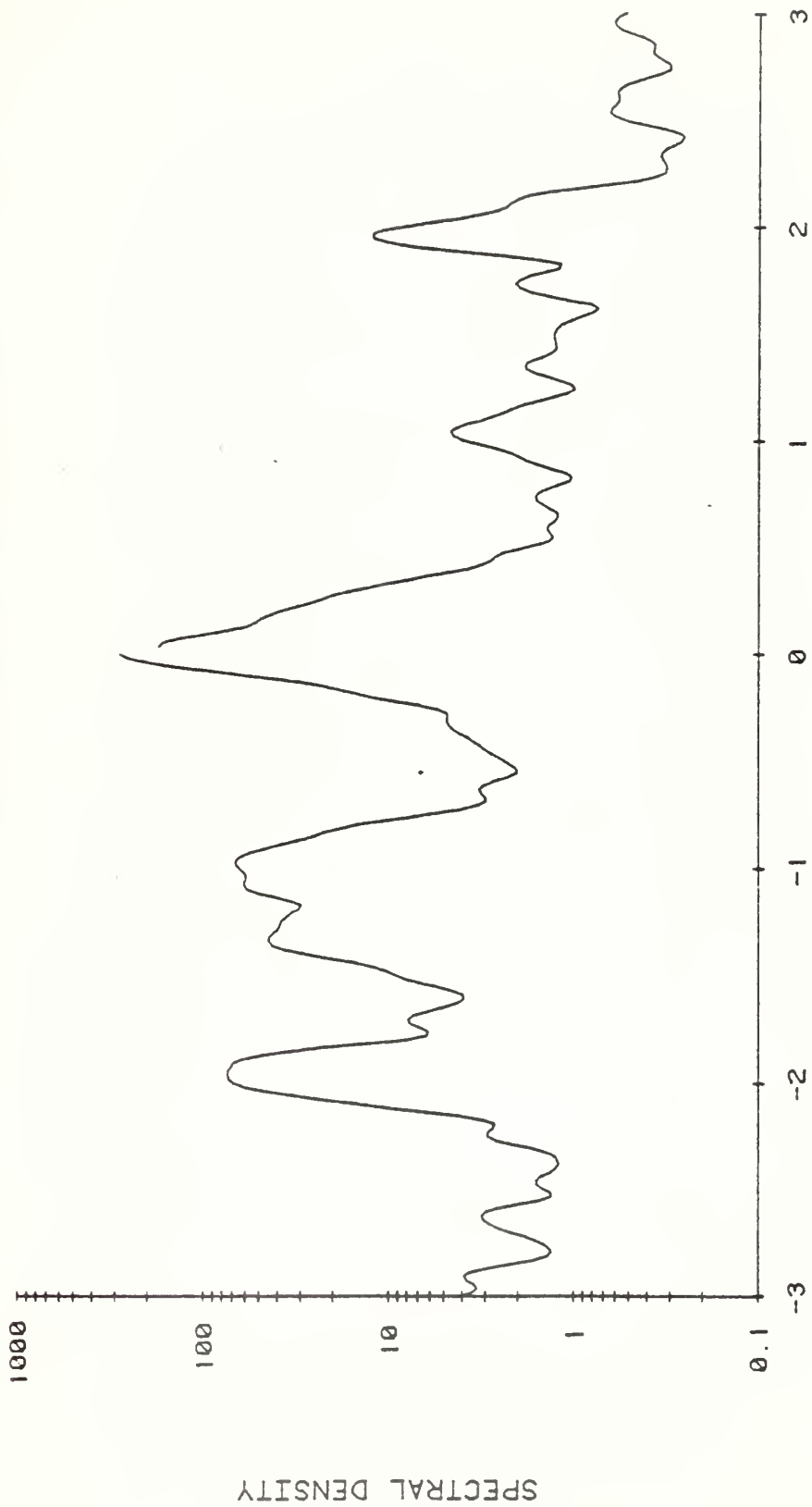
524 M AT STN 7. 8 OCT 79 - 2 DEC 79. TAPE 1495/5.



127 M AT STN 7. 8 OCT 79 - 23 NOV 79. TAPE 2760/3.

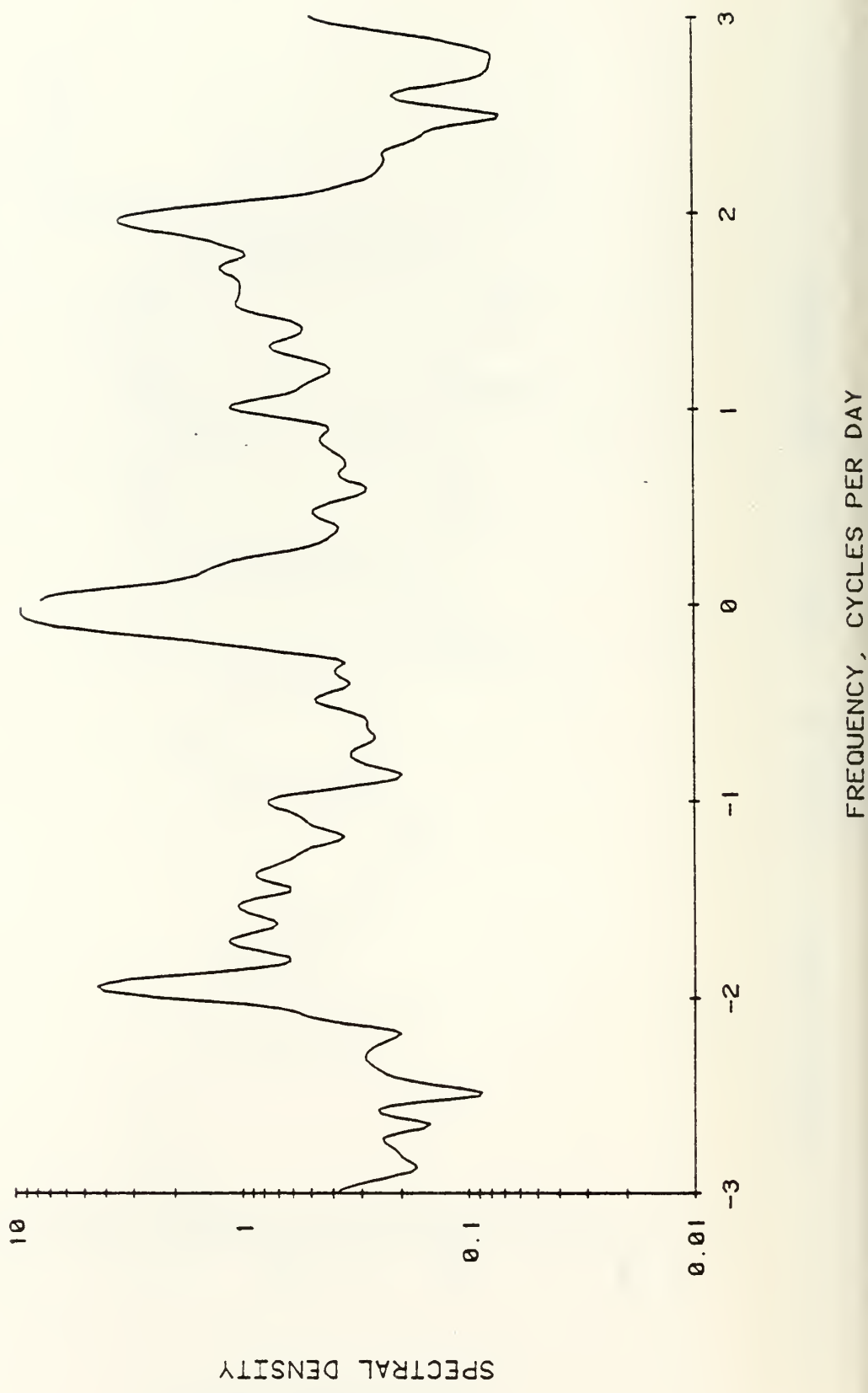


200 M AT STN 7. 8 OCT 79 - 1 DEC 79. TAPE 842/10.



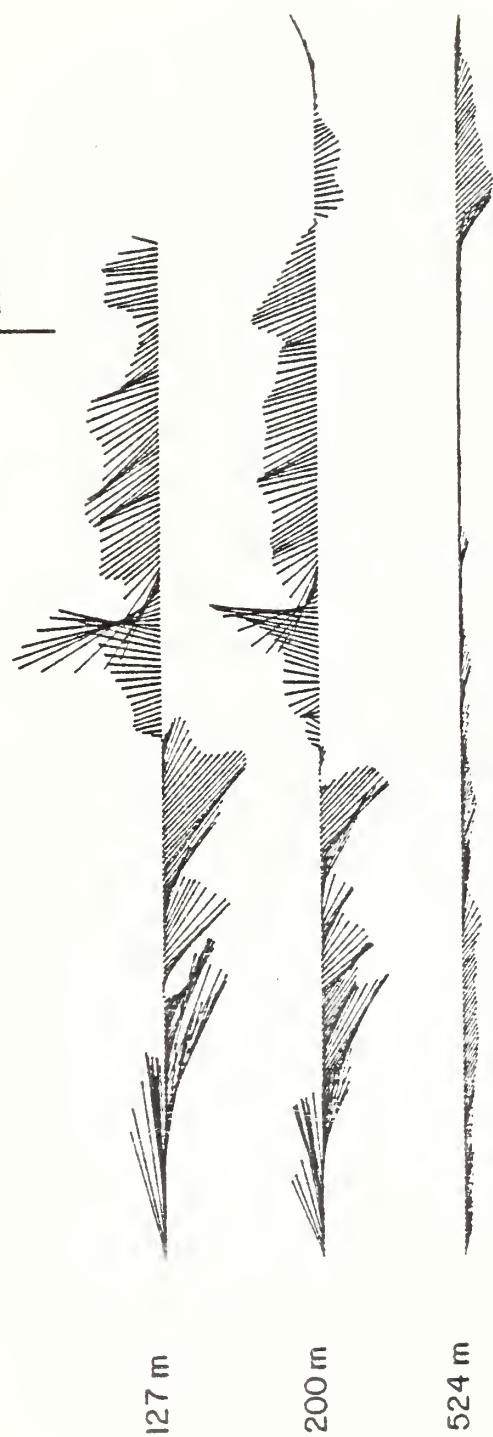


524 M AT STN 7. 8 OCT 79 - 2 DEC 79. TAPE 1495/5.



LLP FILTERED CURRENT AT STATION 7. OCTOBER, NOVEMBER 1979.

N  
↑  
20 cm/sec

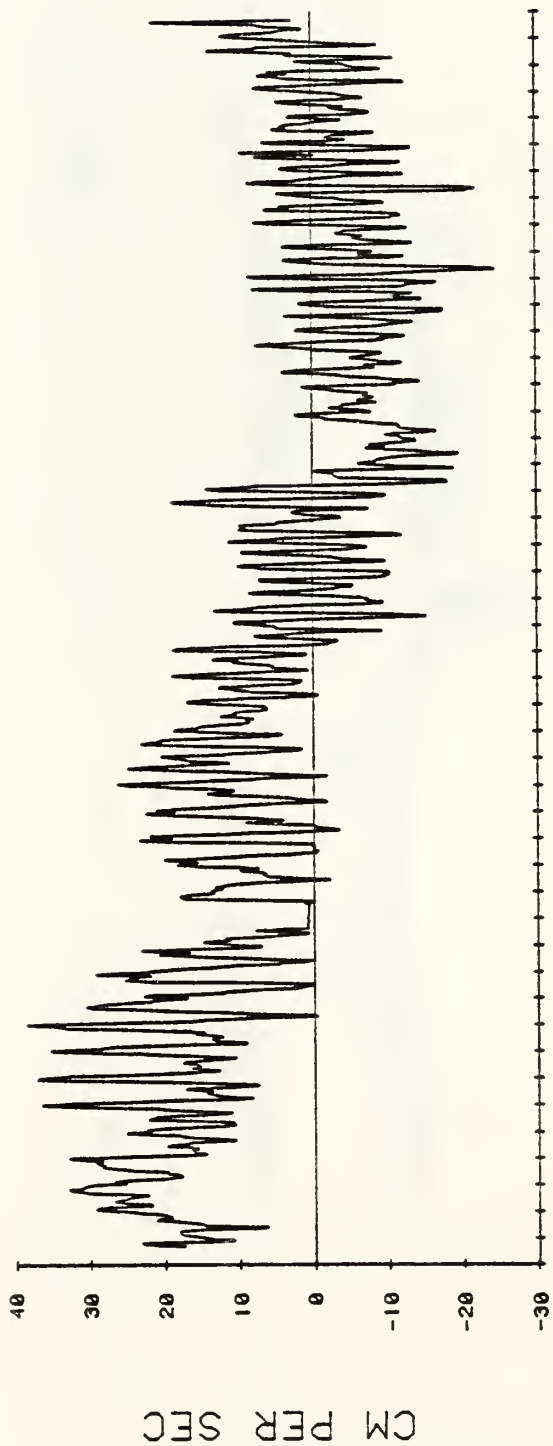


127 m

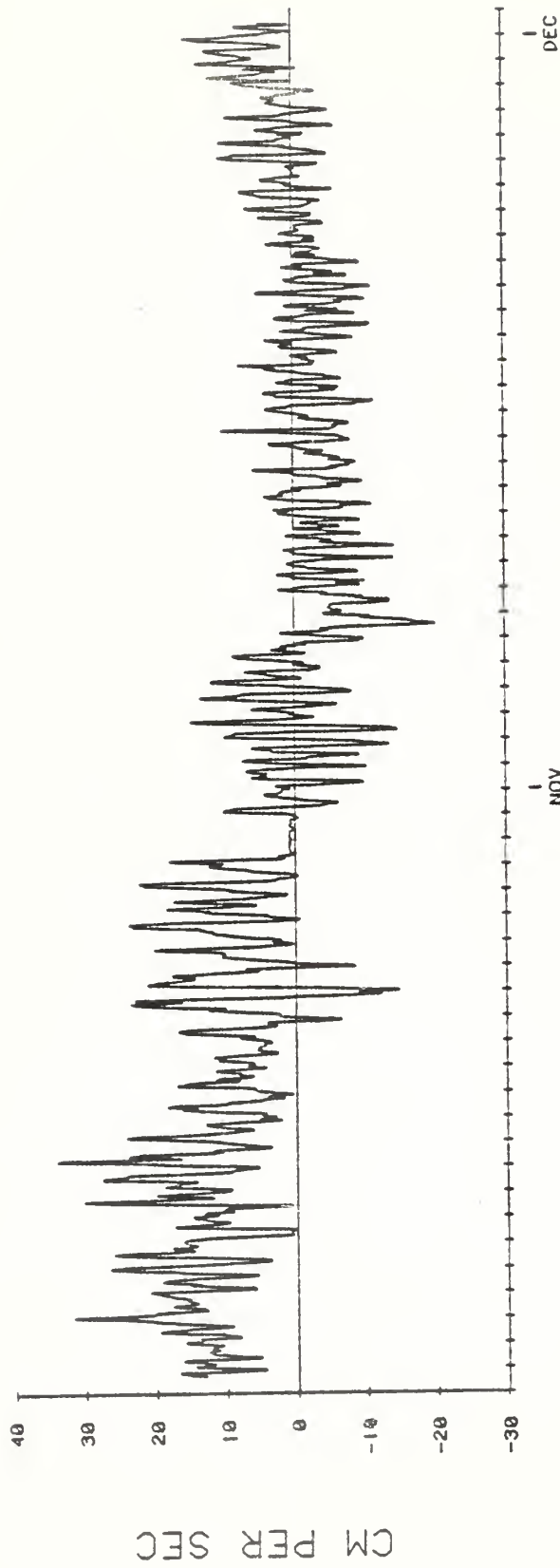
200 m

524 m



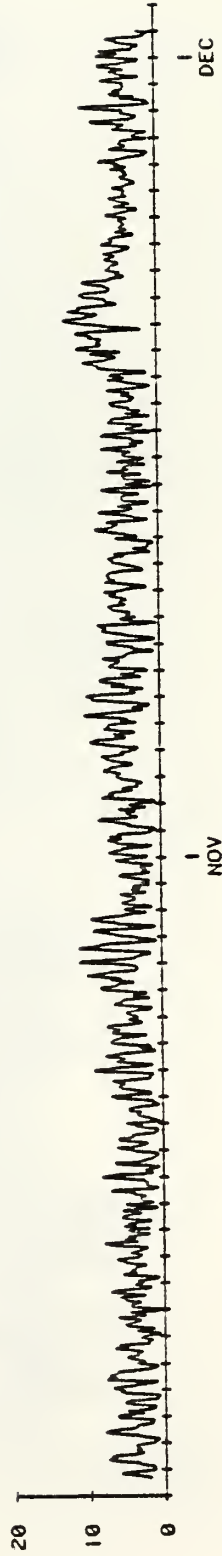


U COMPONENT. 127 M AT STN 7.

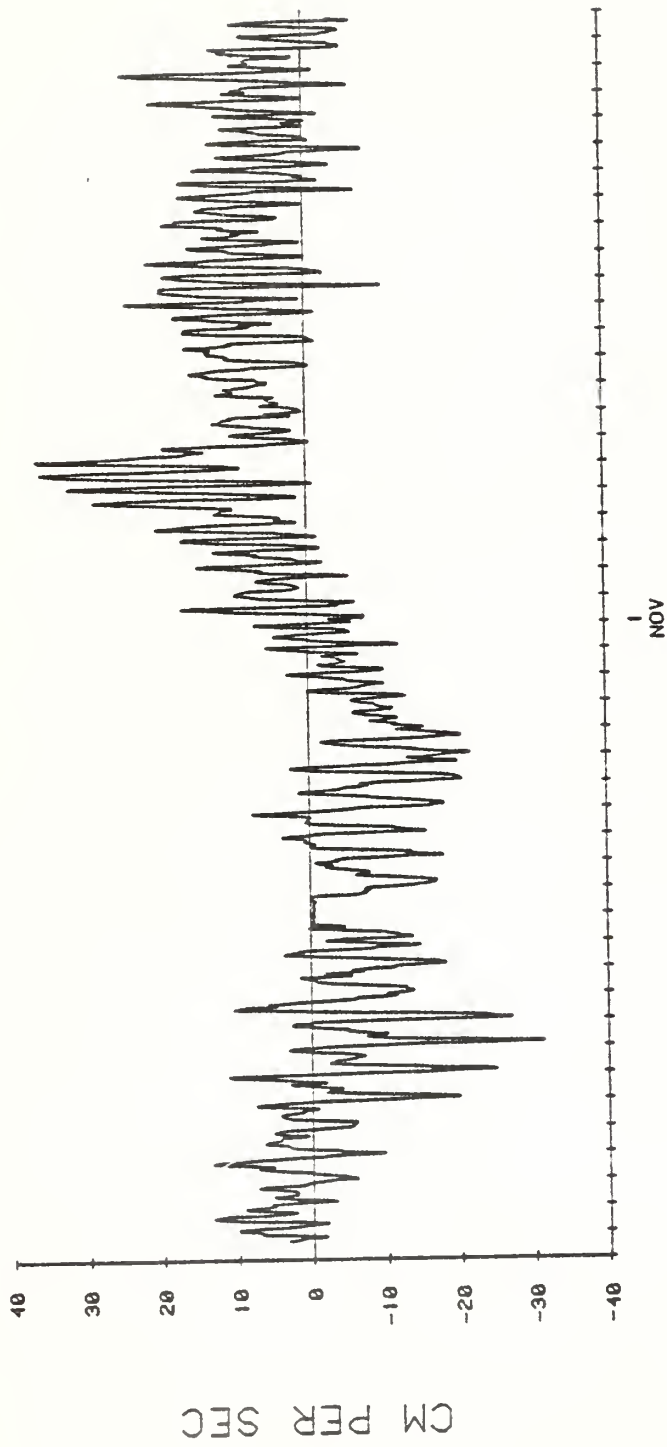


U COMPONENT . 200 M AT STN 7 .

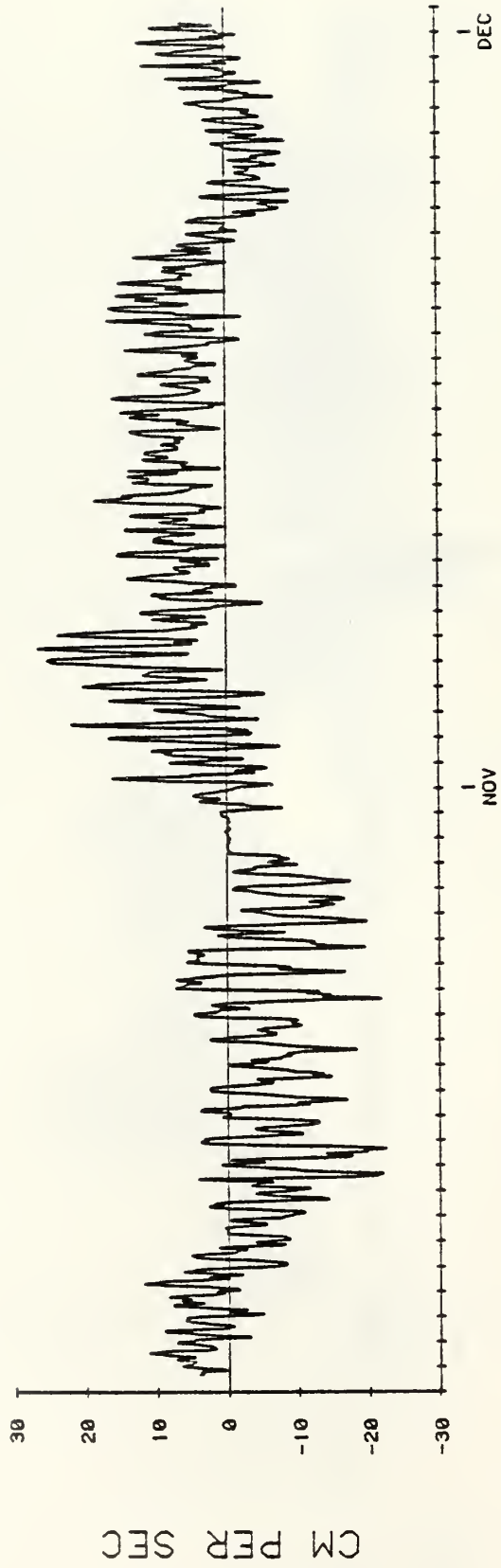
CM PER SEC



U COMPONENT. 524 M AT STN 7.

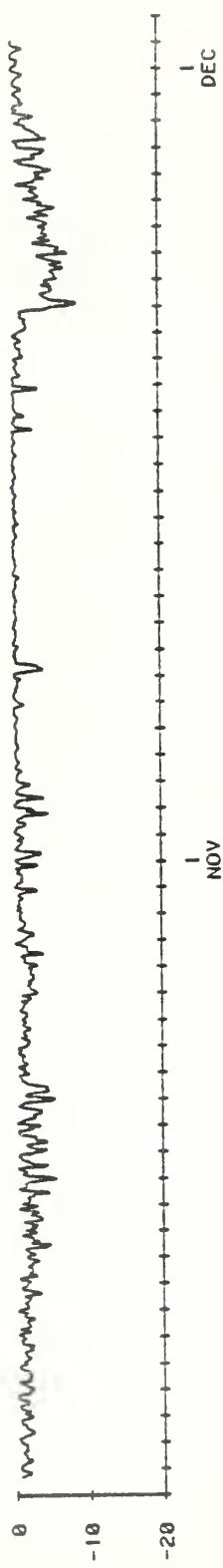


V COMPONENT . 127 M AT STN 7 .



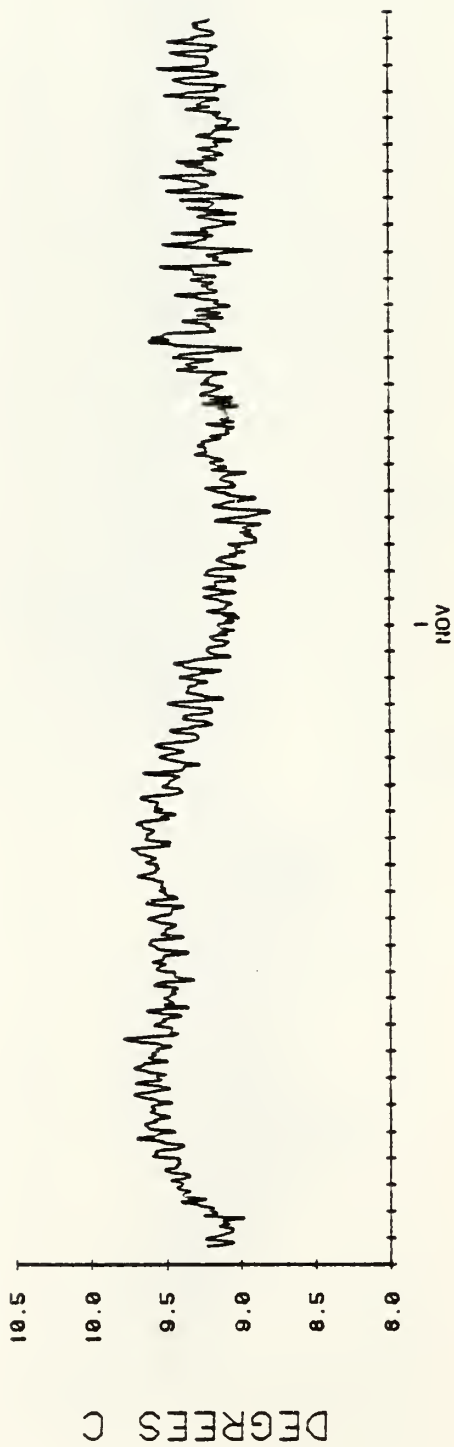
V COMPONENT. 200 M AT STN 7.

CM PFR SEC

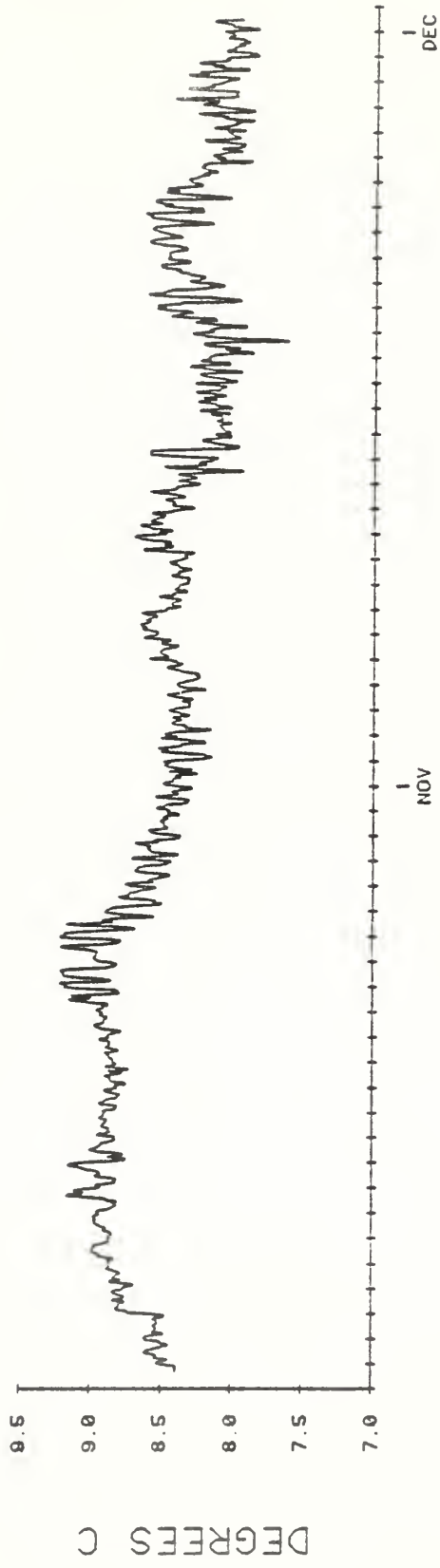


V COMPONENT . 524 M AT STN 7 .

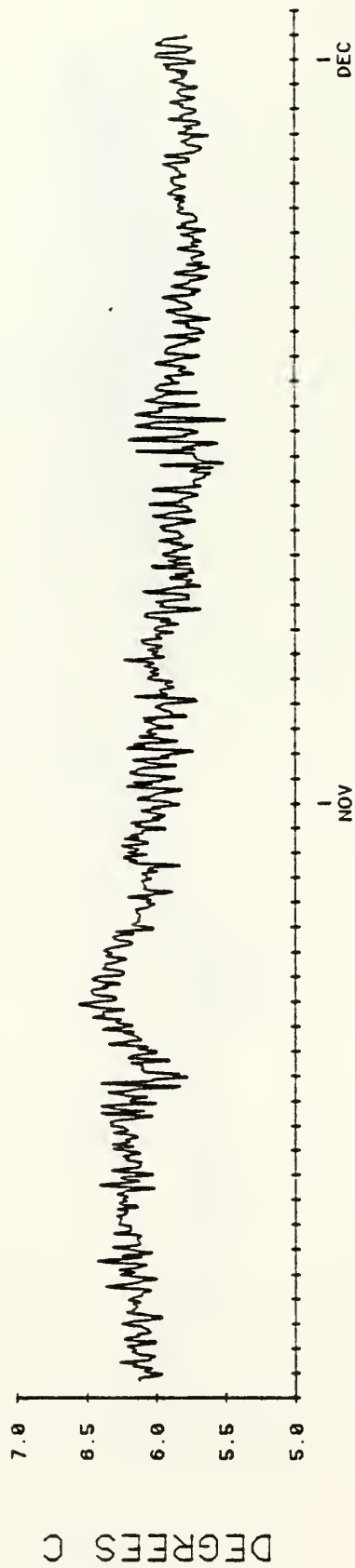




TEMPERATURE. 127 M AT STN 7.



TEMPERATURE. 200 M AT STN 7.



TEMPERATURE. 524 M AT STN 7.

STATION 2 - 35° 51.8'N, 121° 33.8'W  
 27 NOV 79 - 20 JAN 80

Record #27, Depth 194 m

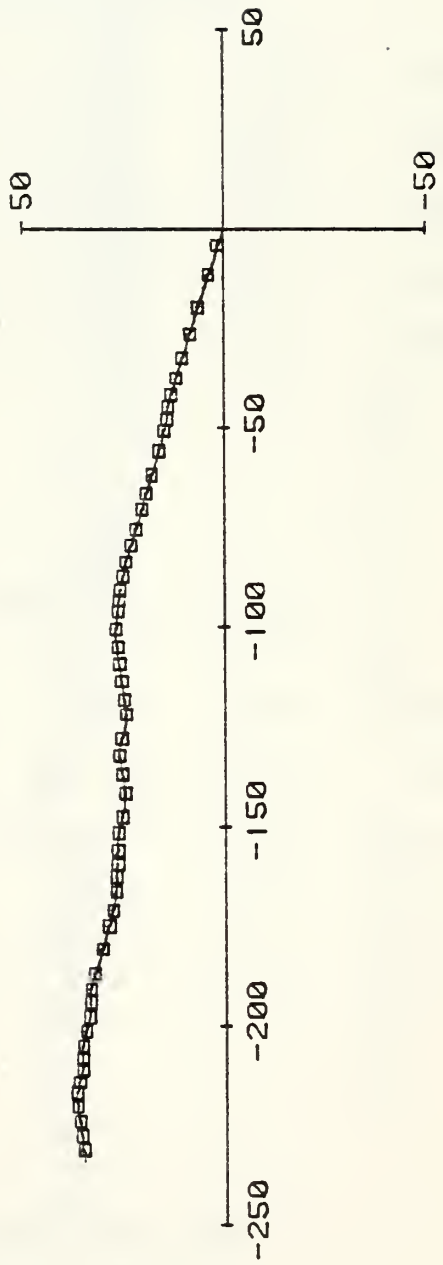
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	5.16	2.78	0.56	3.12	0.80	16.30	7841
U(cm/s)	-4.98	2.68	-0.51	3.06	-15.70	-0.70	7841
V(cm/s)	0.74	1.34	0.38	2.36	-2.40	5.40	7841
T(°C)	8.92	0.29	-0.13	3.26	7.85	10.01	7841

Record #28, Depth 266 m

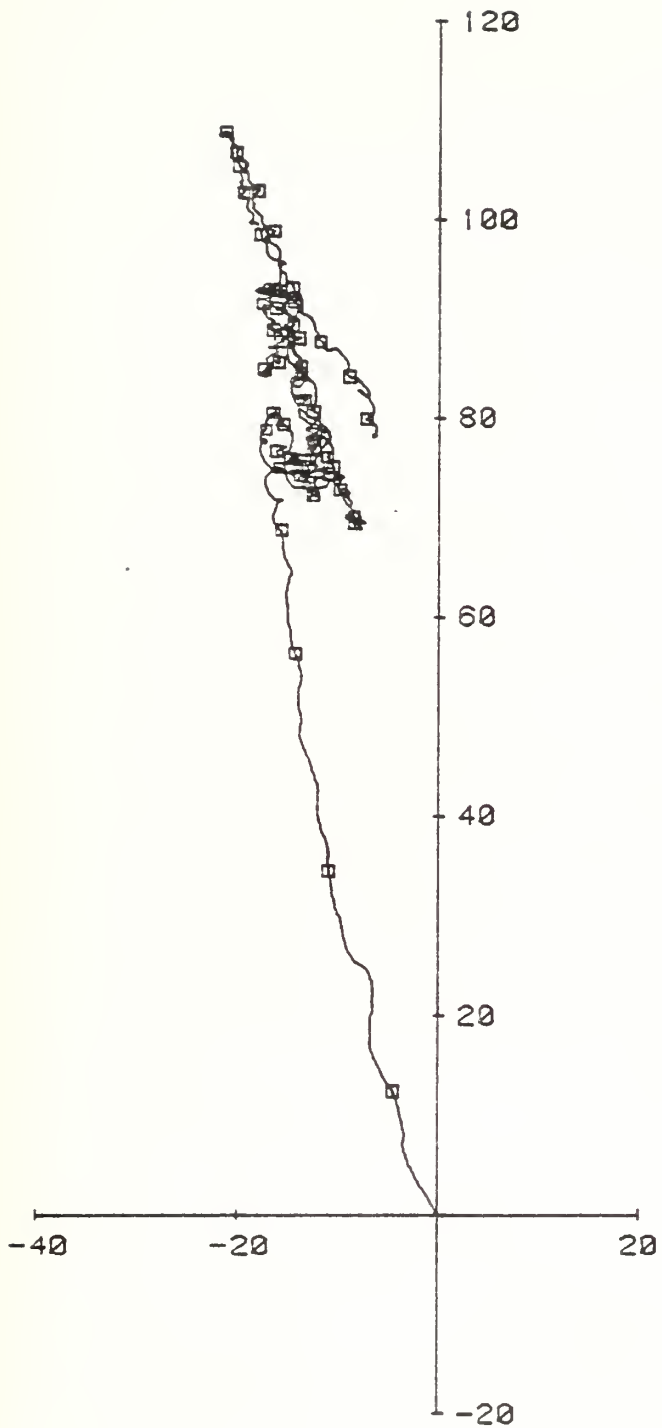
S(cm/s)	8.70	6.22	1.69	6.96	0.80	41.50	7787
U(cm/s)	-0.14	6.15	-0.20	3.30	-24.20	22.70	7787
V(cm/s)	1.68	8.59	1.09	5.25	-20.70	41.10	7787
T(°C)	8.20	0.27	-0.42	3.63	7.16	9.00	7787
Z(meters)	282.85	0.39	3.70	22.48	281.40	286.10	7787

Record #29, Depth 389 m

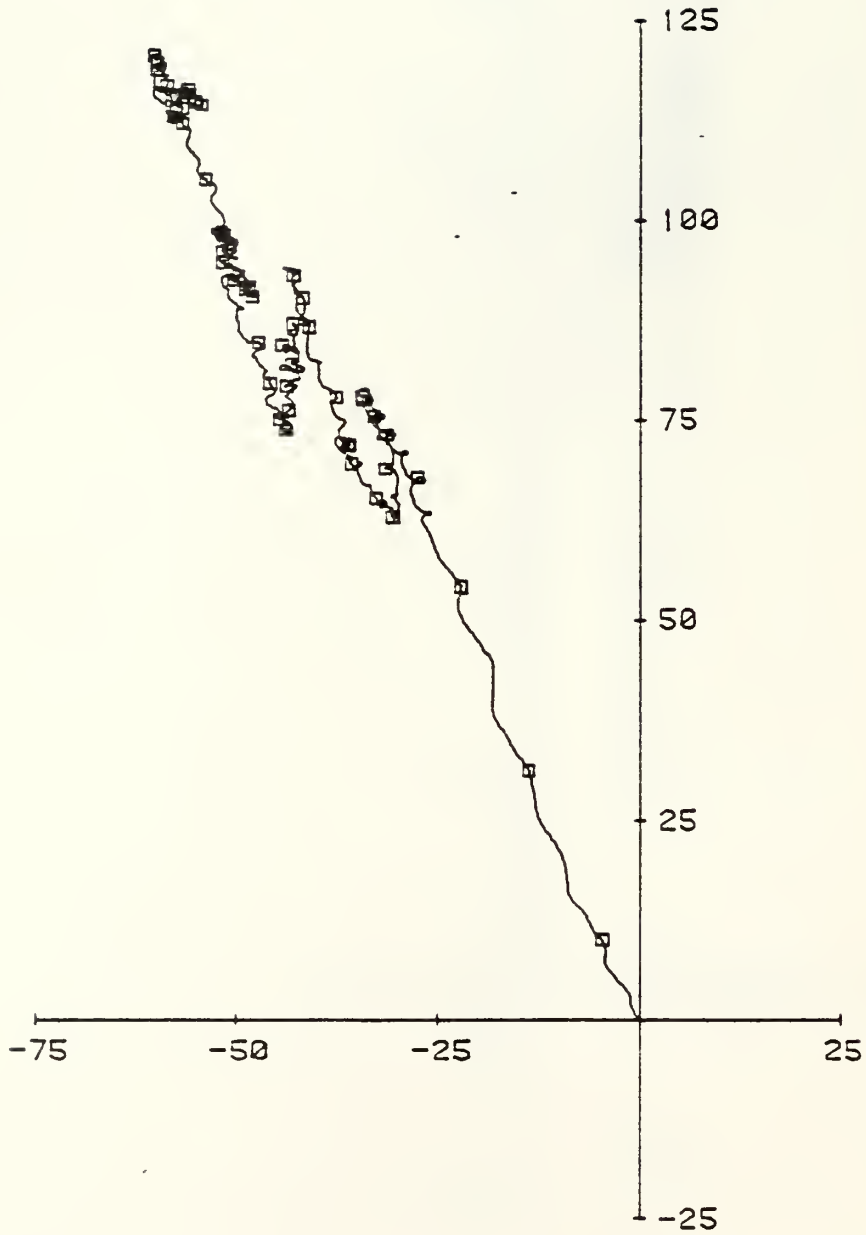
S(cm/s)	10.59	7.01	1.24	4.89	0.80	42.40	7699
U(cm/s)	-1.25	8.27	-0.06	3.14	-29.60	26.00	7699
V(cm/s)	2.48	9.24	0.47	4.28	-31.20	37.00	7699
T(°C)	6.94	0.28	-0.05	2.45	6.22	7.81	7699



194 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1965/5.

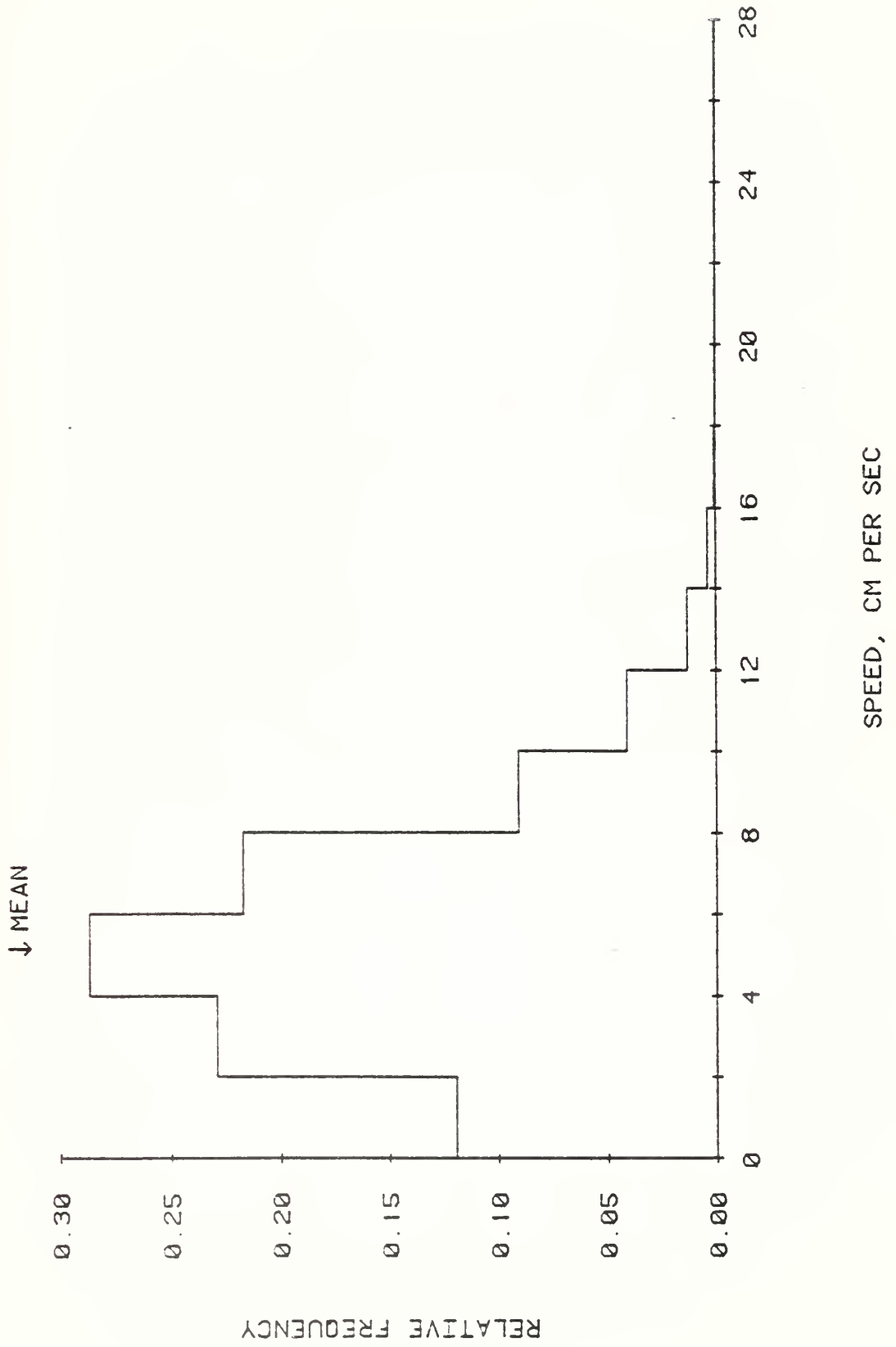


266 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1319/5.



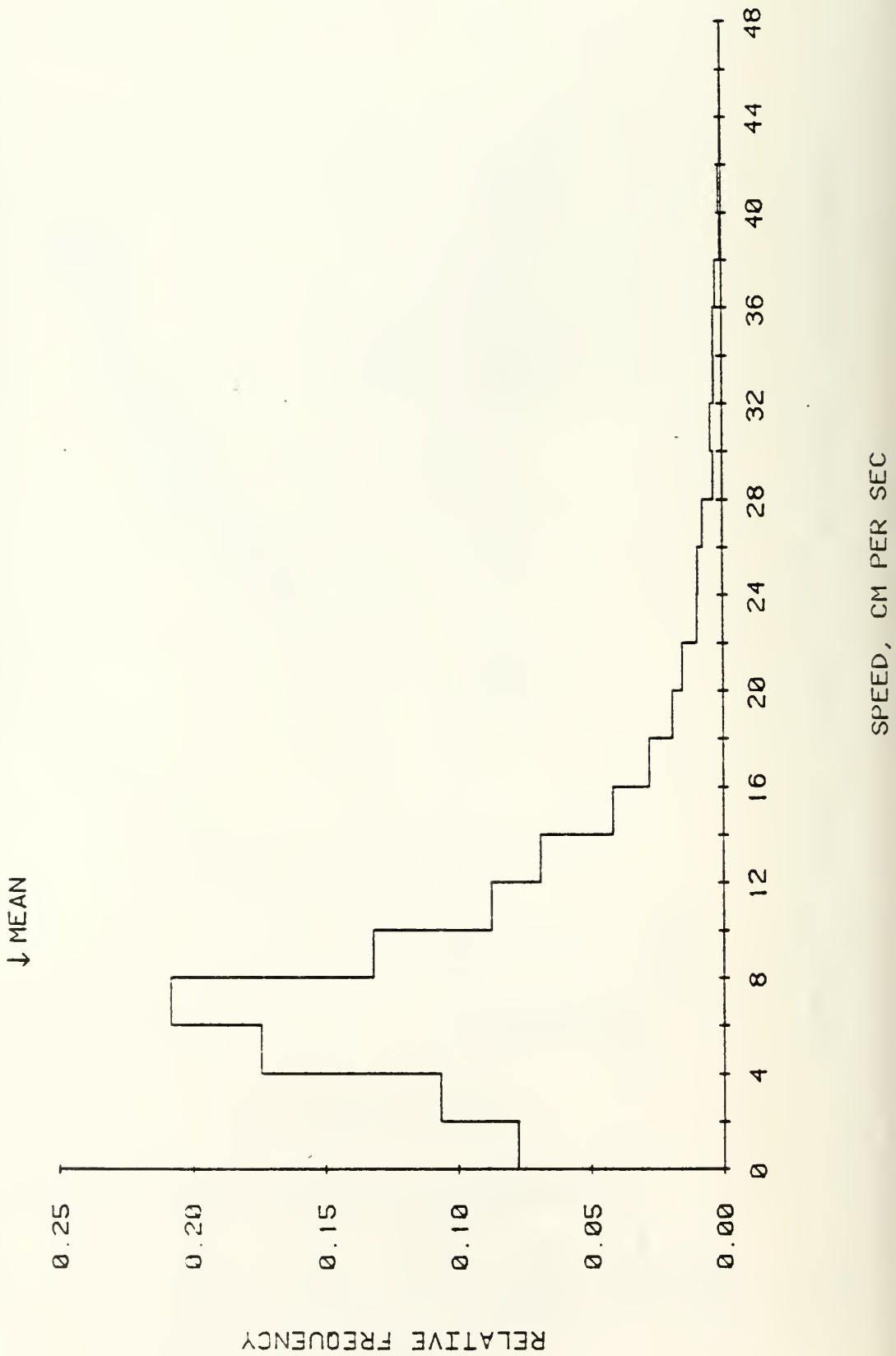
389 M AT STN 2. 27 NOV 79 - 19 JAN 80. TAPE 2759/4.

194 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1965/5.

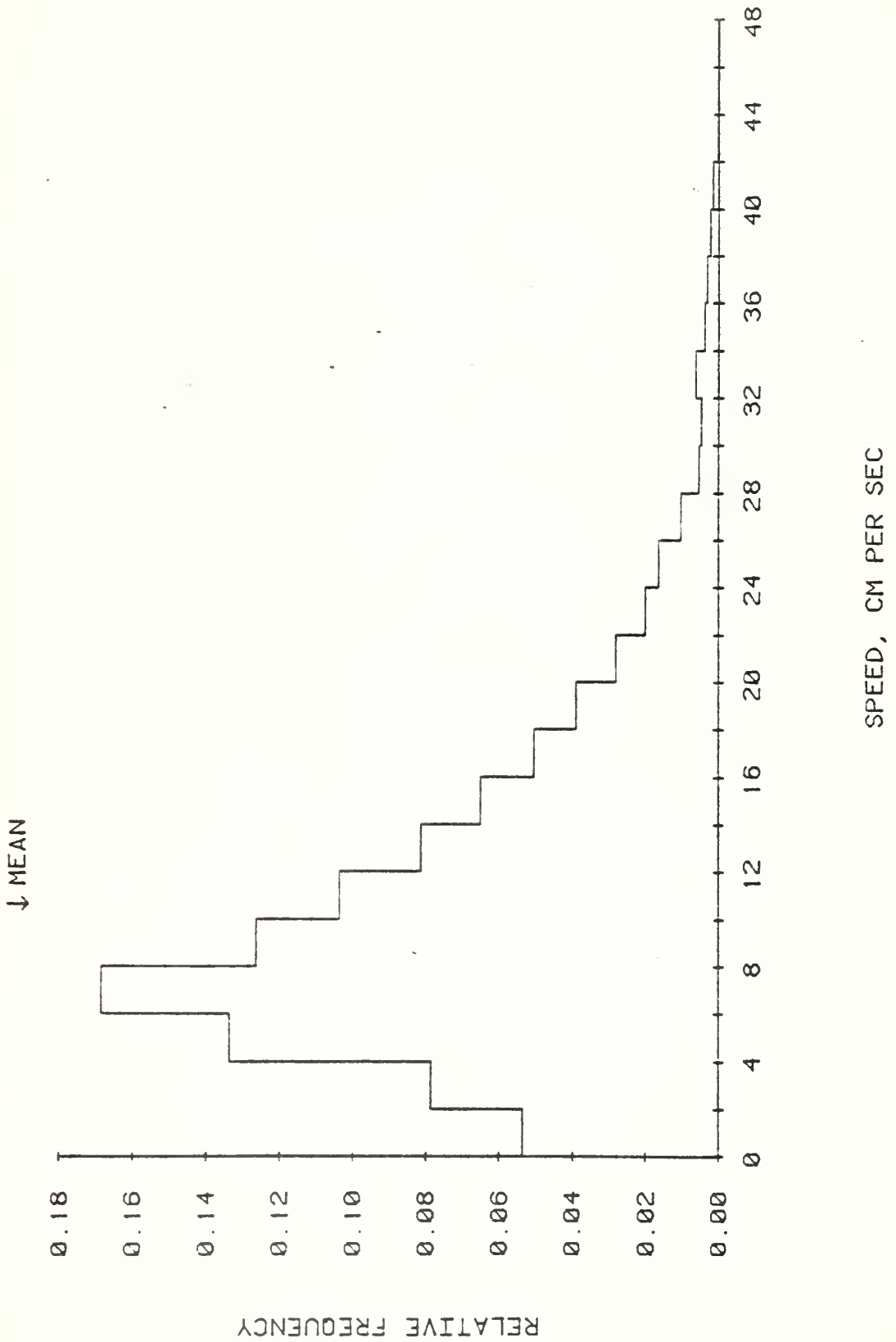




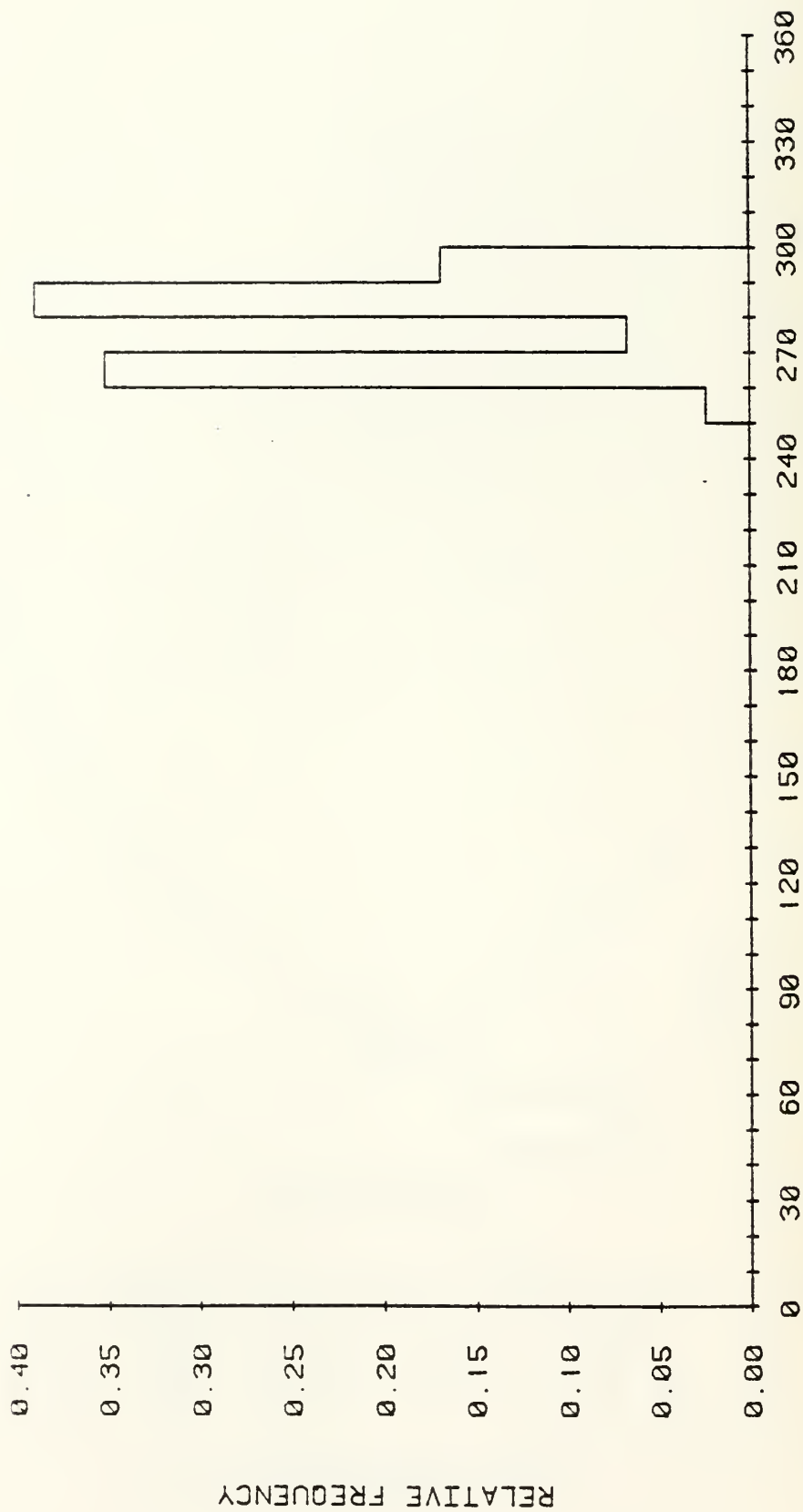
266 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1319/5.



389 M AT STN 2. 27 NOV 79 - 19 JAN 80. TAPE 2759/4.

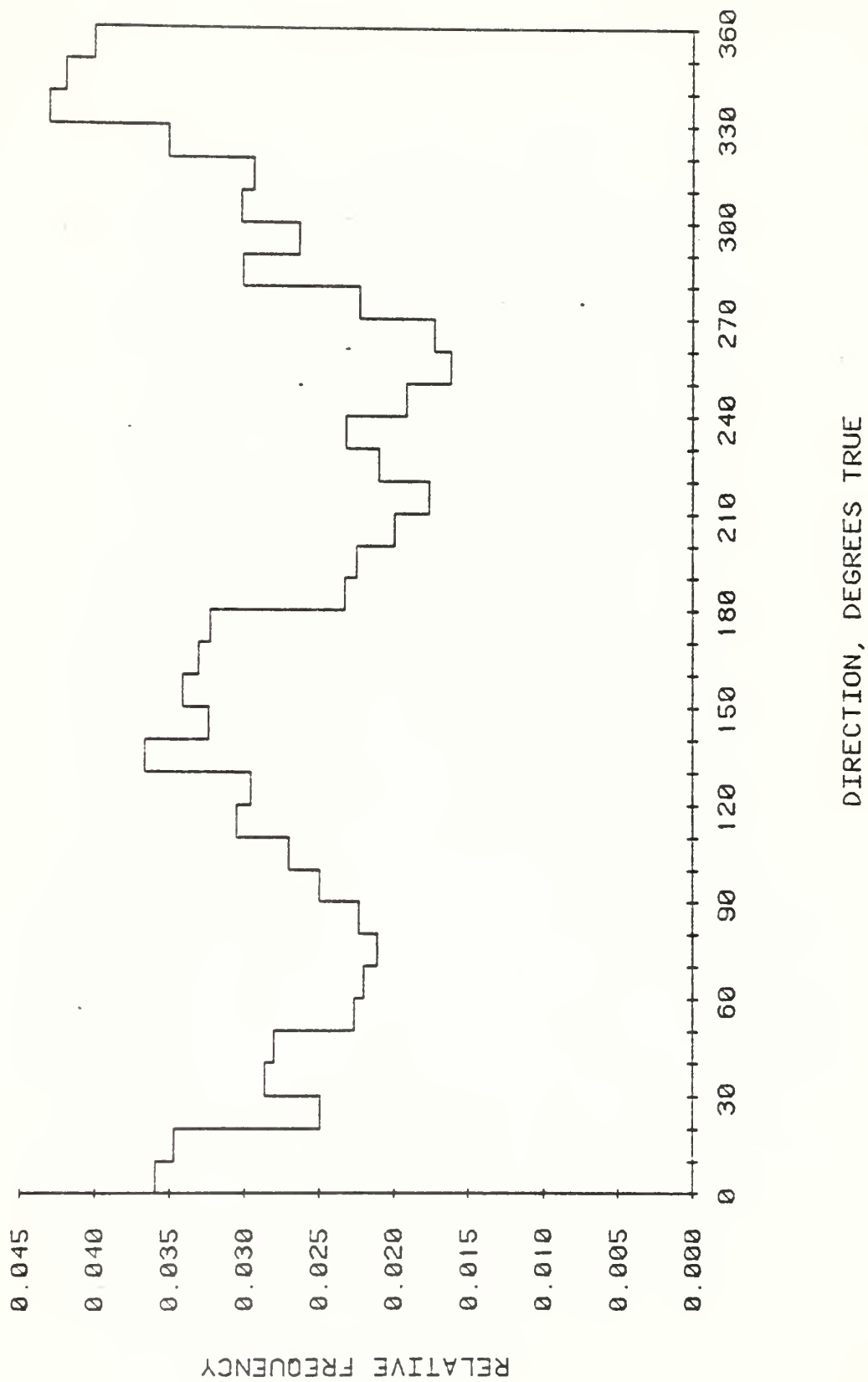


194 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1965/5.



DIRECTION, DEGREES TRUE

266 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1319/5.

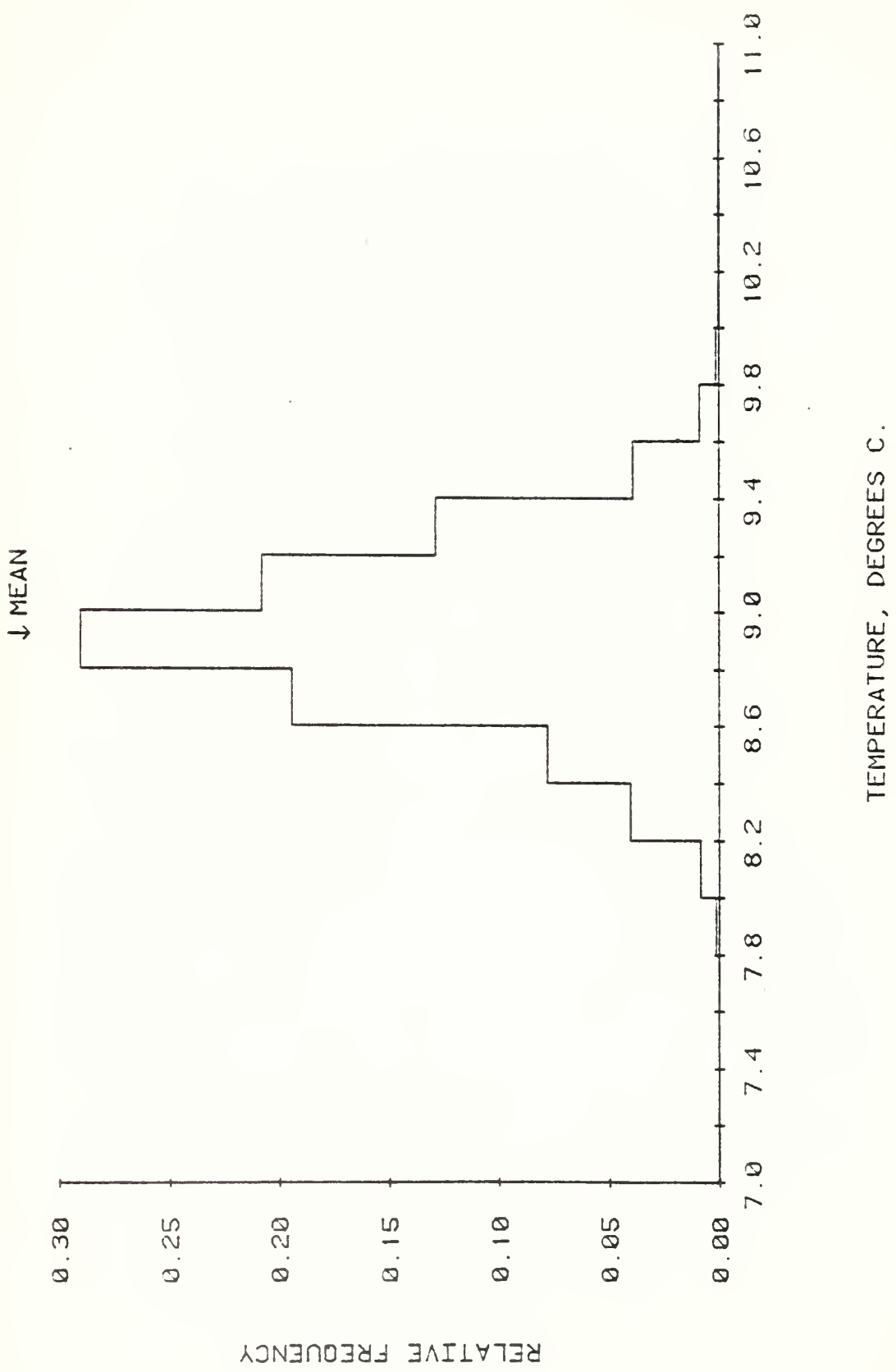


389 M AT STN 2. 27 NOV 79 - 19 JAN 80. TAPE 2759/4.

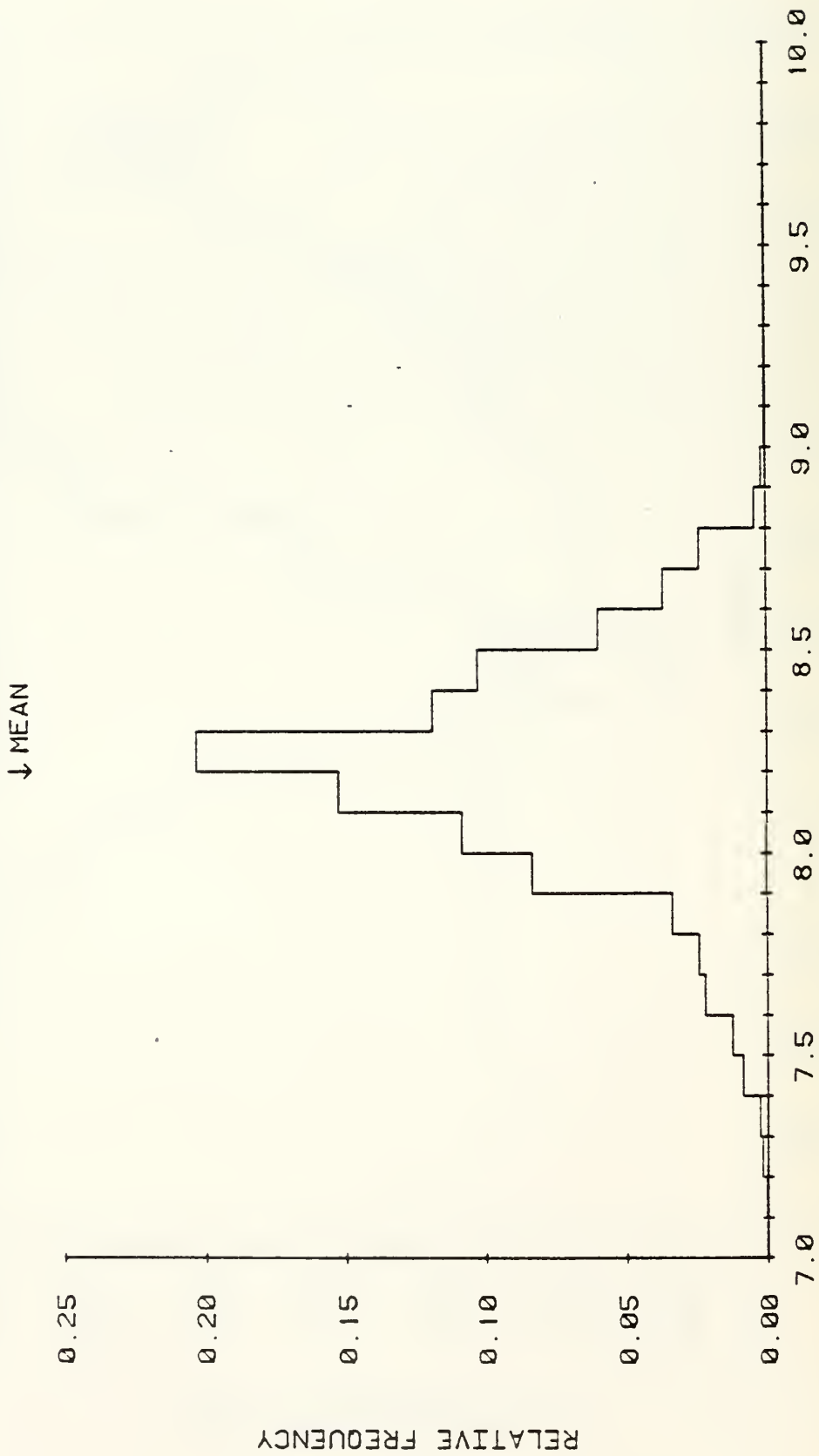


DIRECTION, DEGREES TRUE

194 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1965/5.

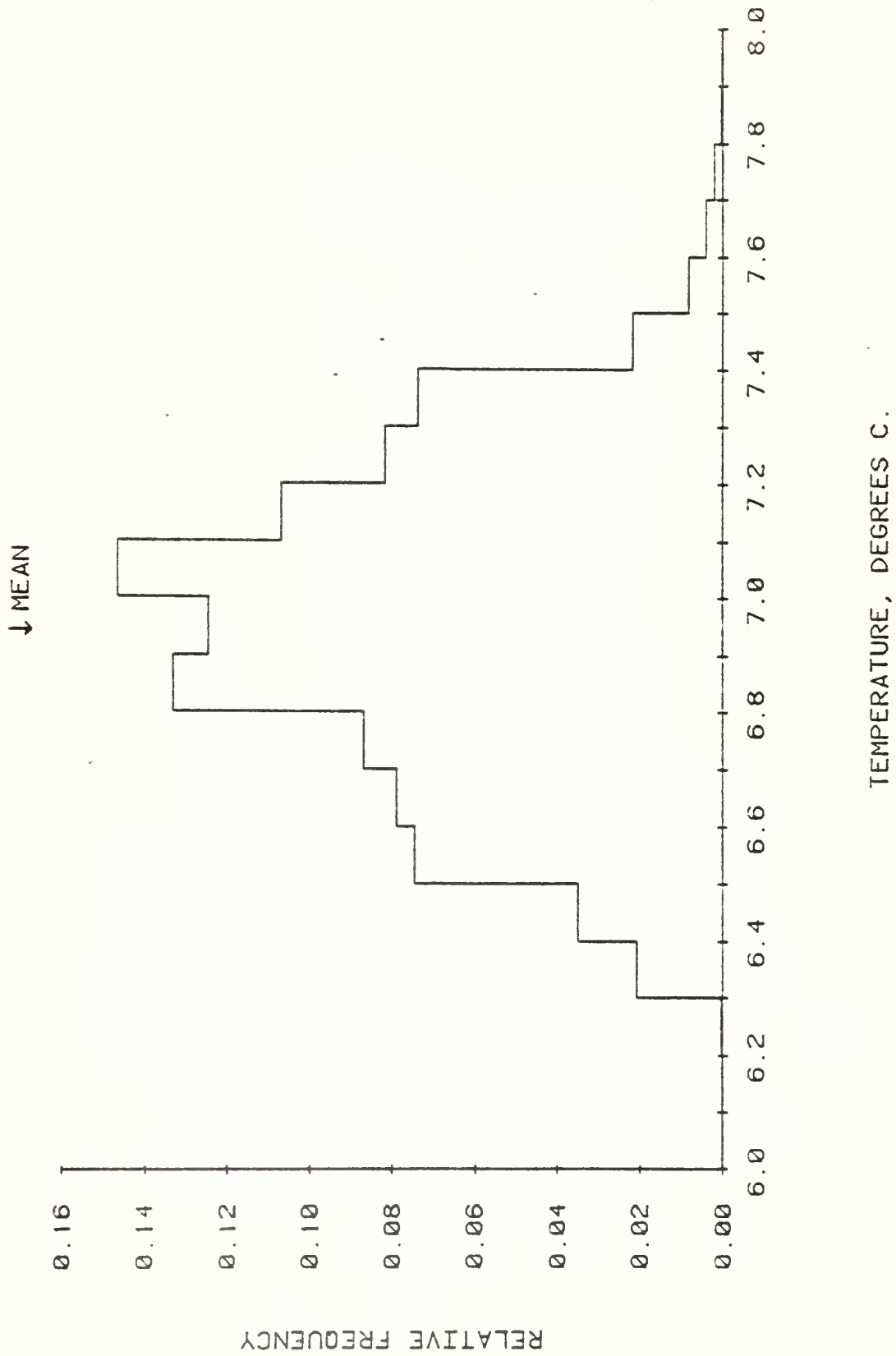


266 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1319/5.



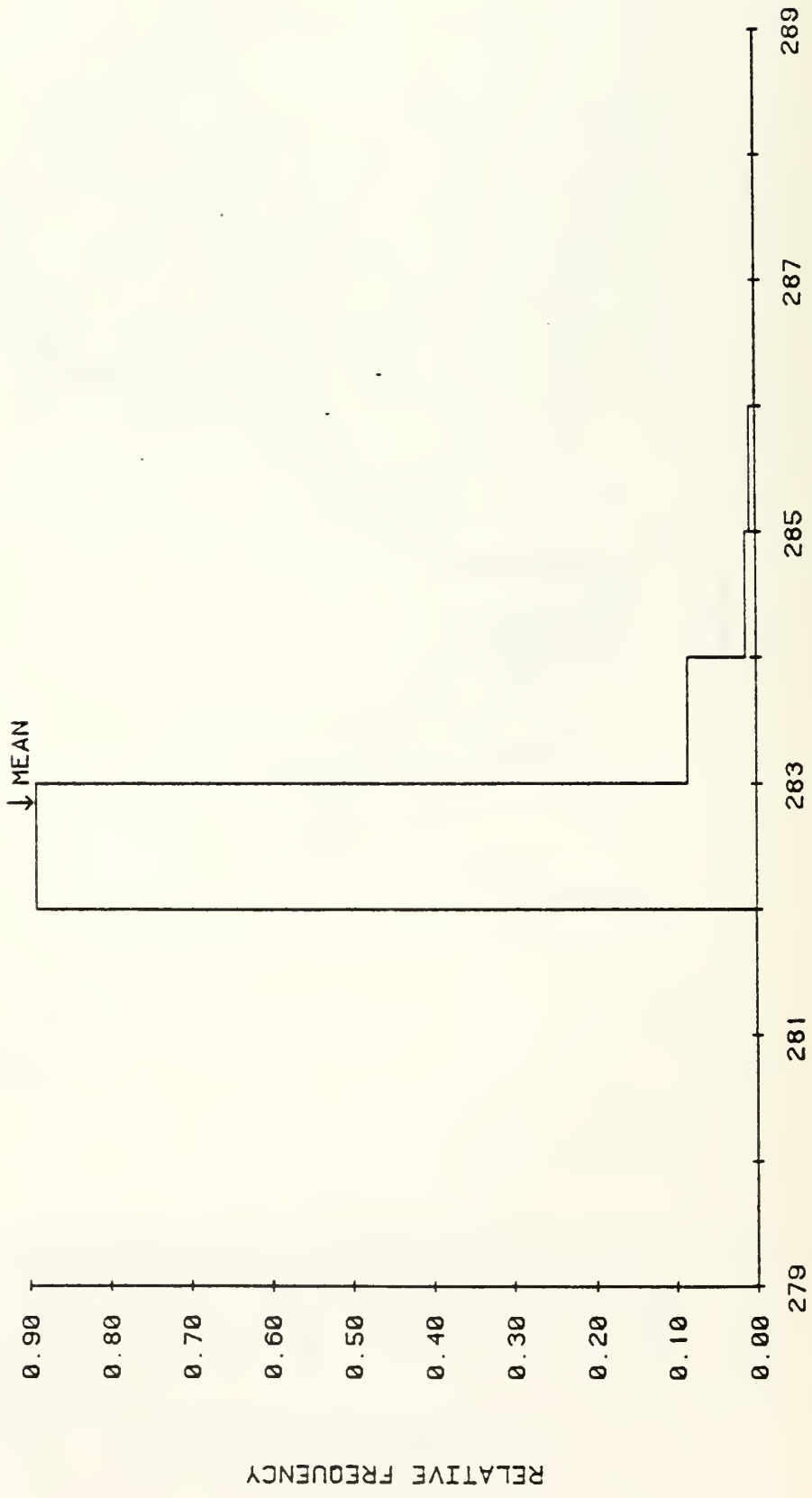
TEMPERATURE, DEGREES C.

389 M AT STN 2. 27 NOV 79 - 19 JAN 80. TAPE 2759/4.



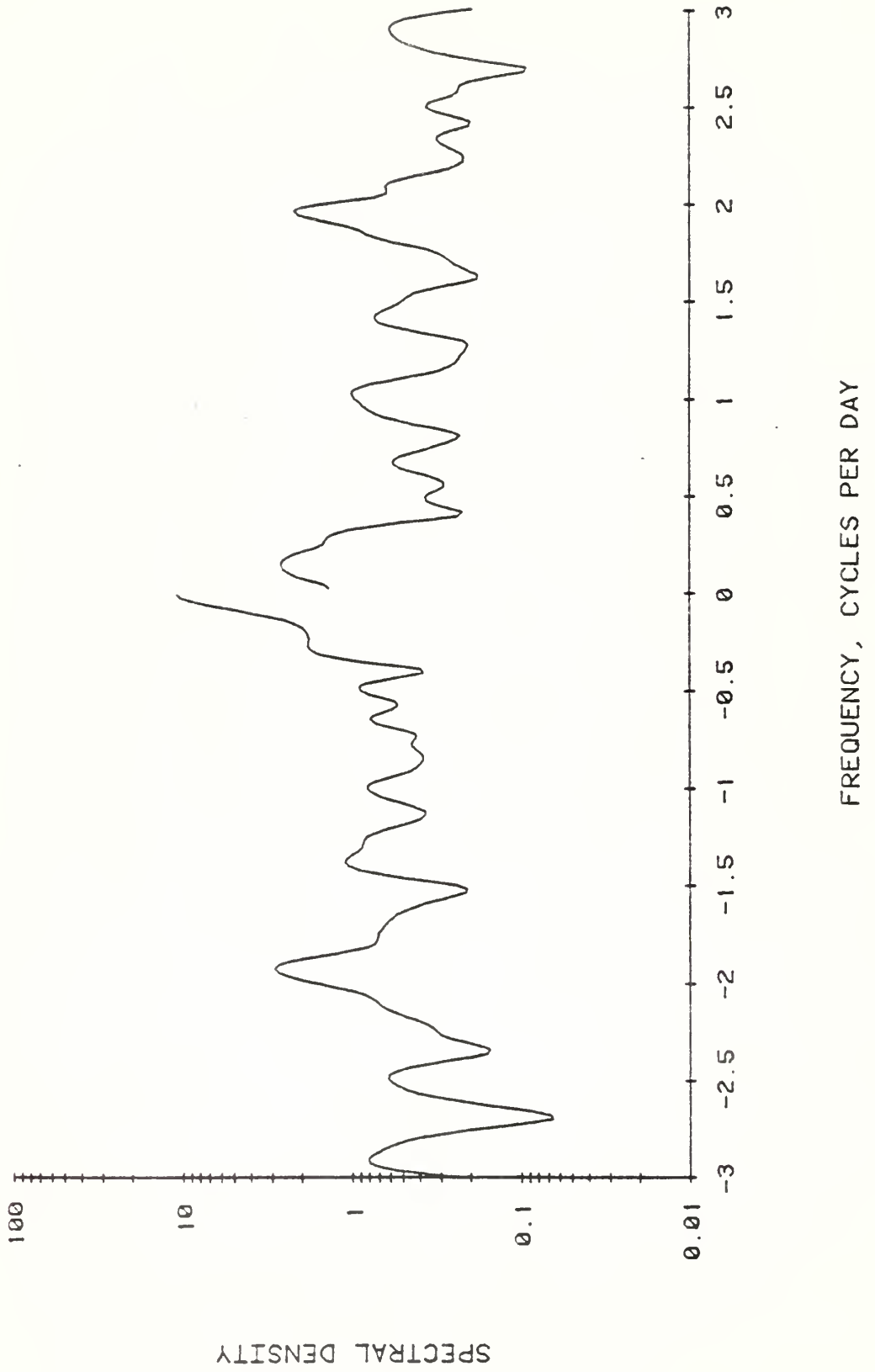


266 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1319/5.

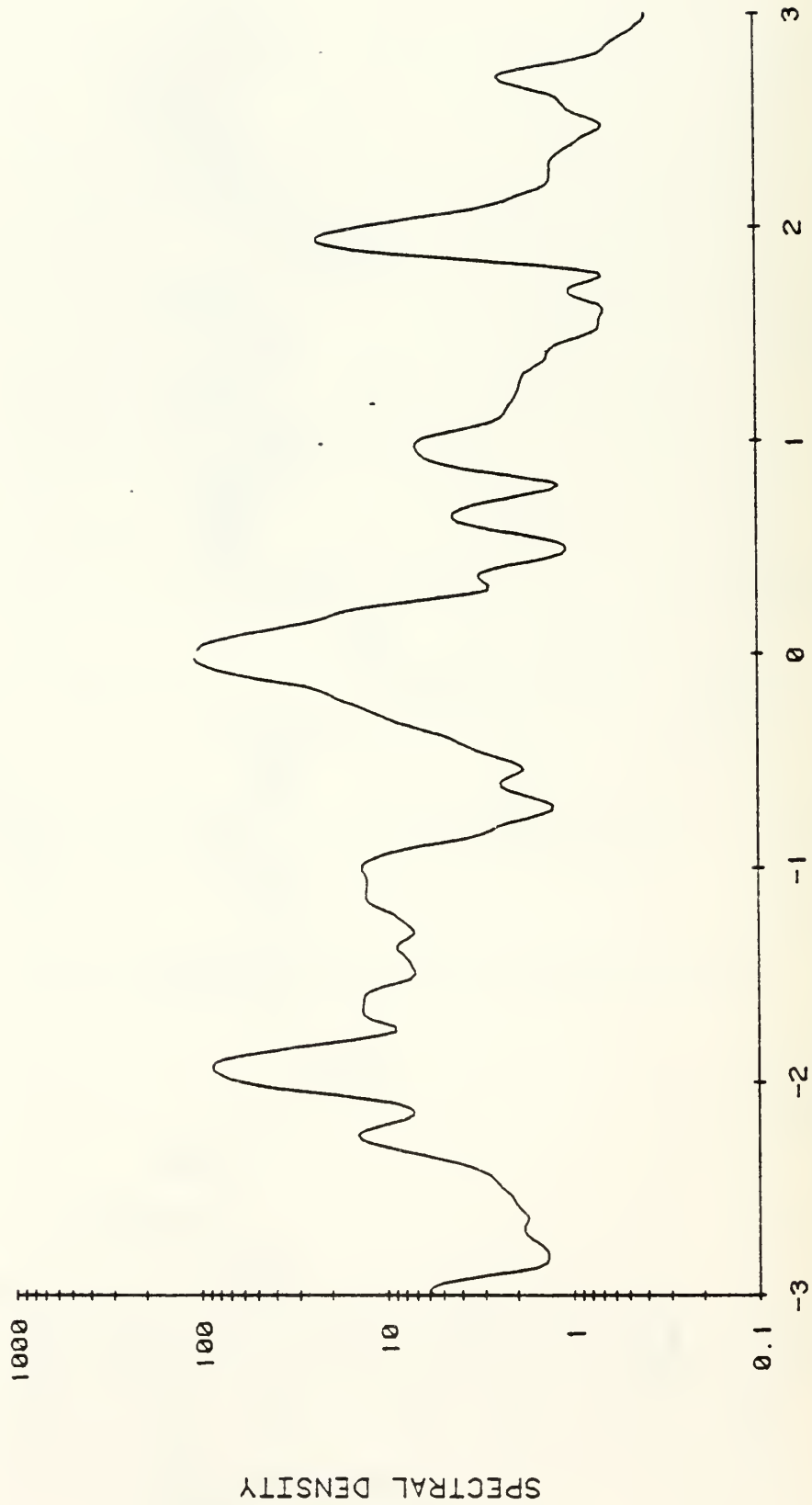


DEPTH, METERS

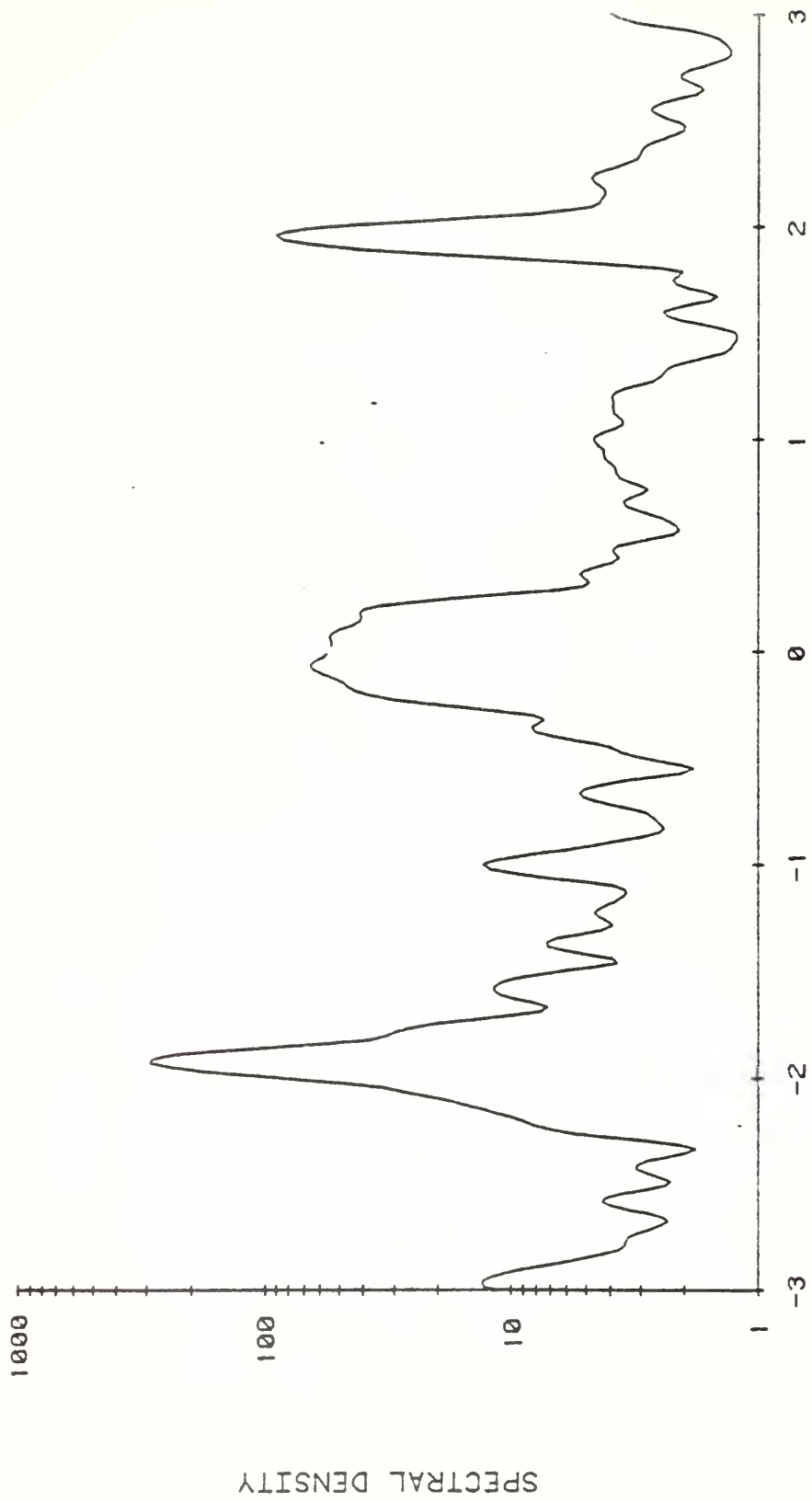
194 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1965/5.



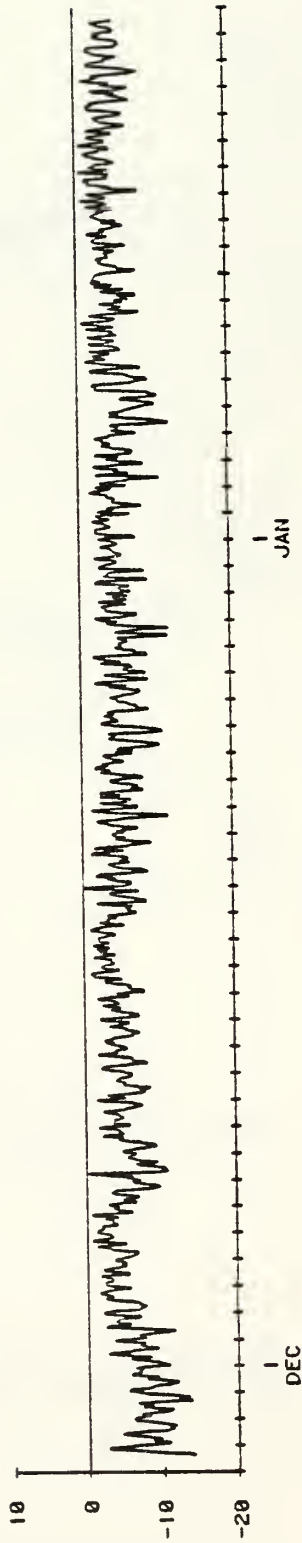
266 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1319/5.



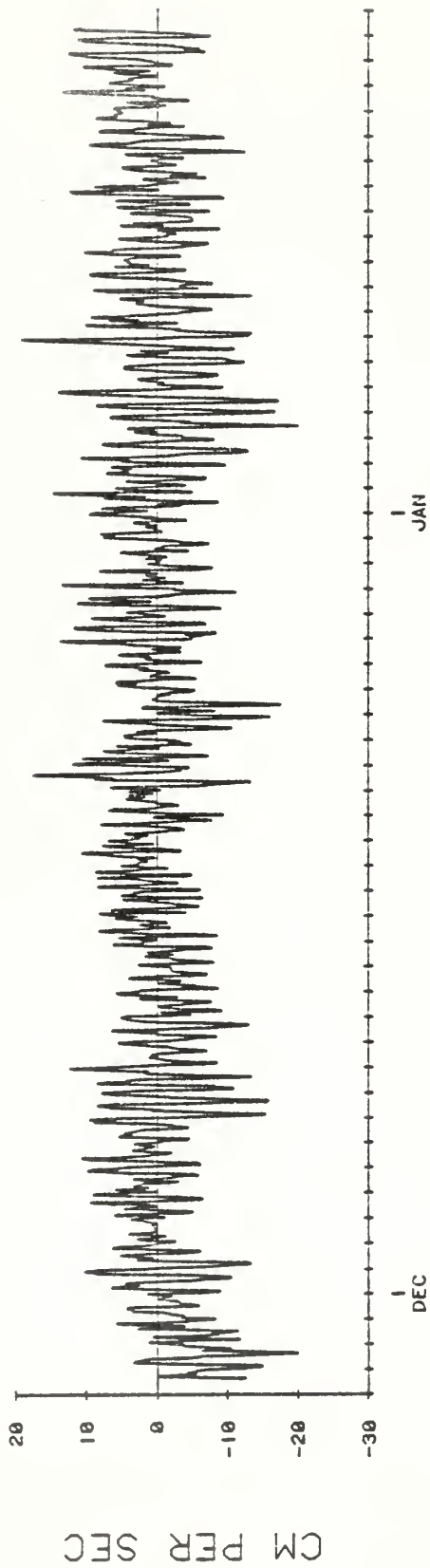
389 M AT STN 2. 27 NOV 79 - 19 JAN 80. TAPE 2759/4.



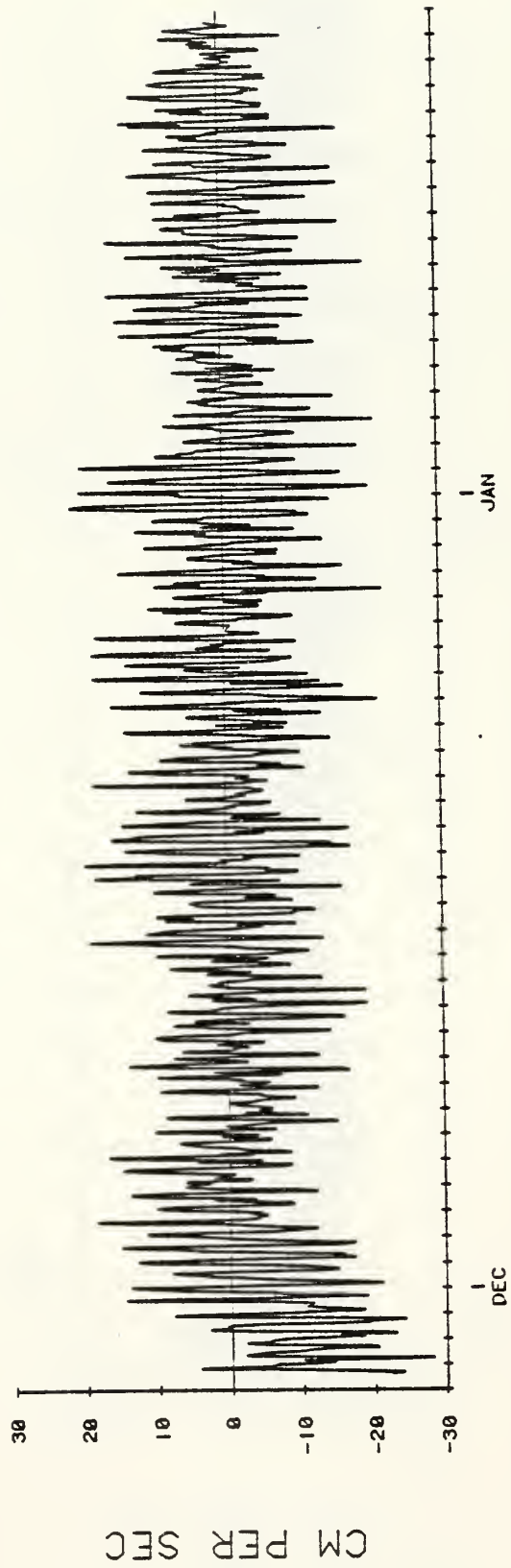
CM PER SEC



U COMPONENT. 194 M AT STN 2.

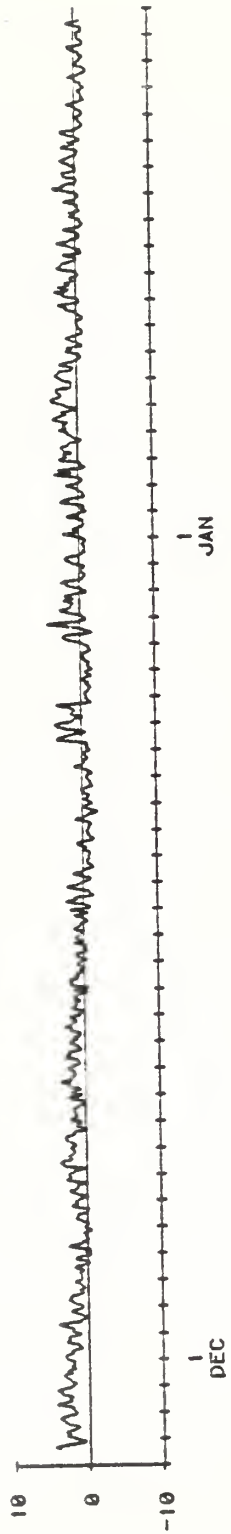


U COMPONENT . 266 M AT STN 2 .



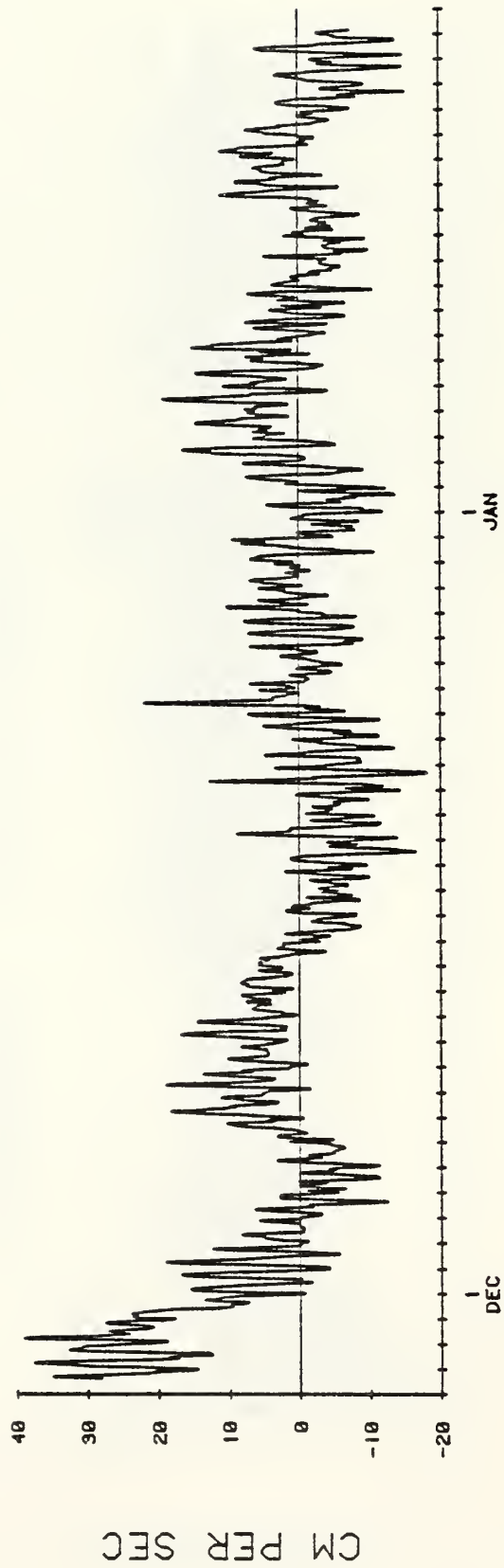
U COMPONENT. 389 M AT STN 2.

CM PER SEC

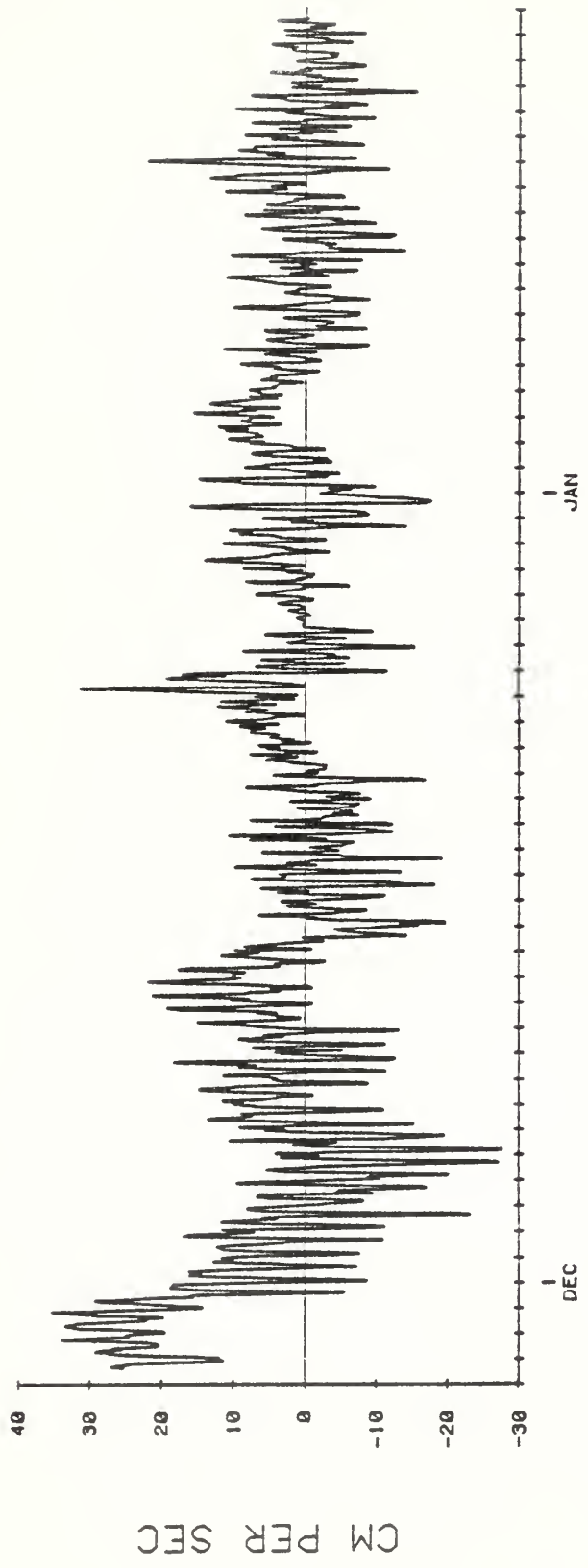


V COMPONENT . 194 M AT STN 2 .

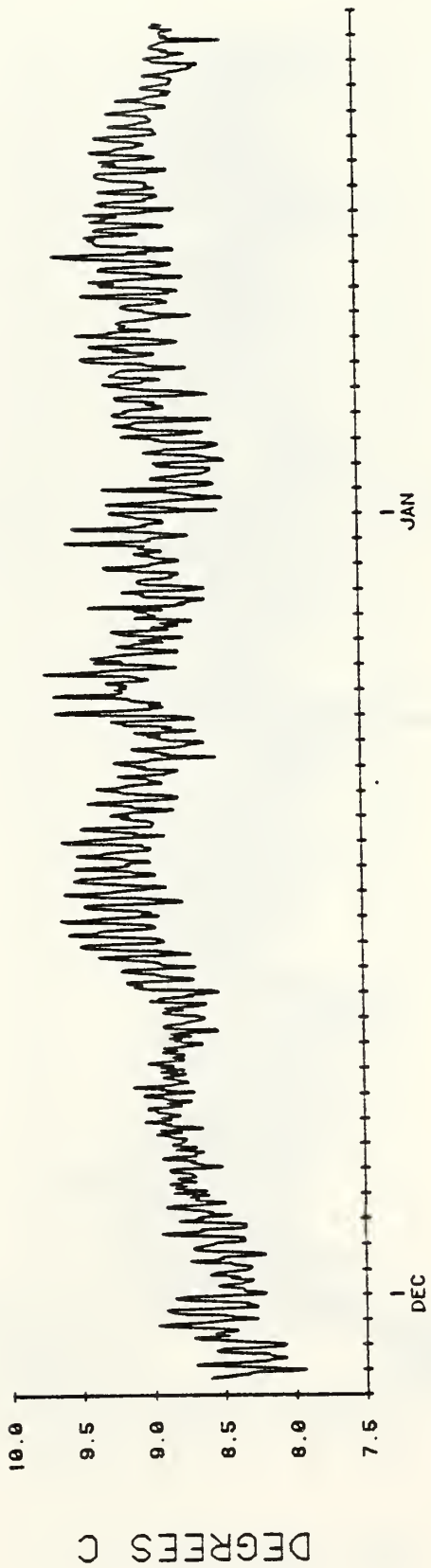




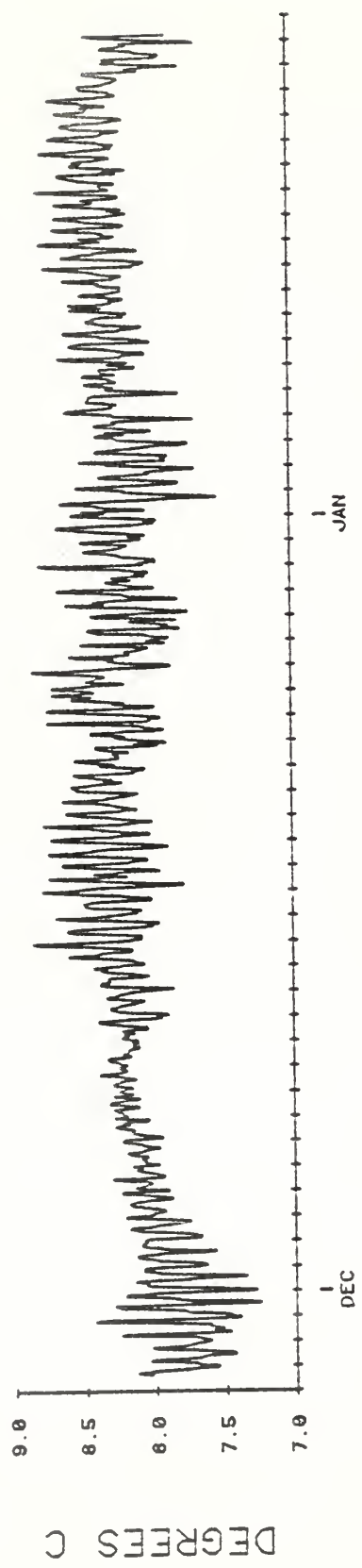
V COMPONENT . 266 M AT STN 2.



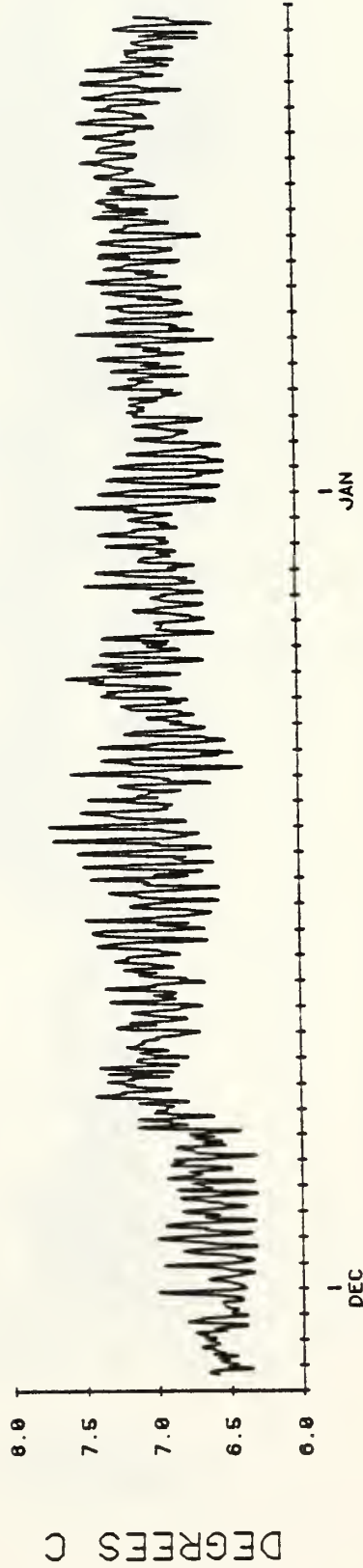
V COMPONENT. 389 M AT STN 2.



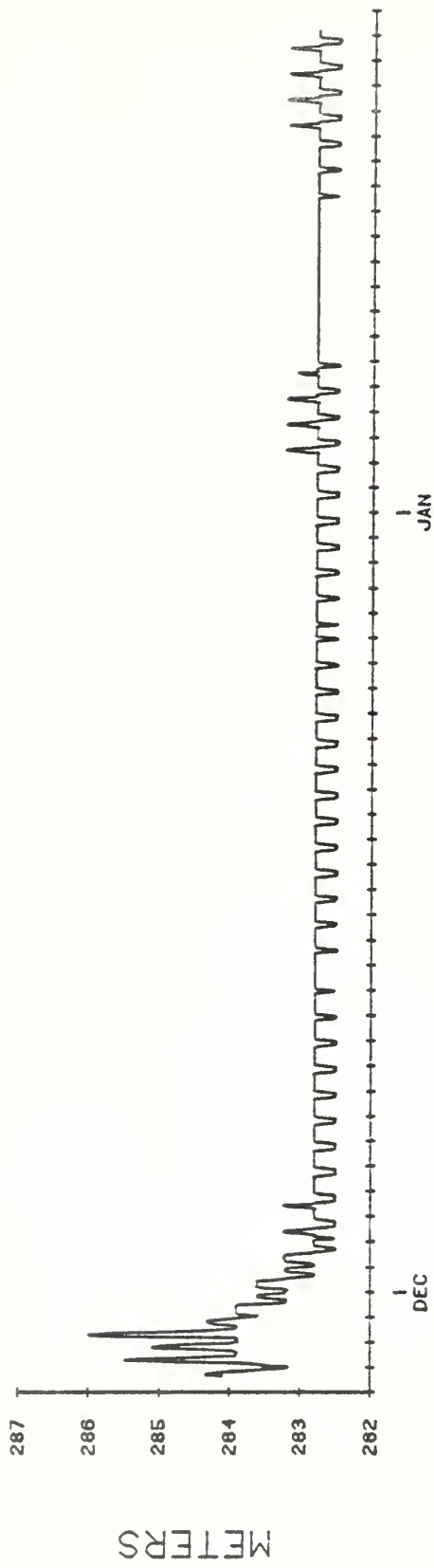
TEMPERATURE. 194 M AT STN 2.



TEMPERATURE. 266 M AT STN 2.

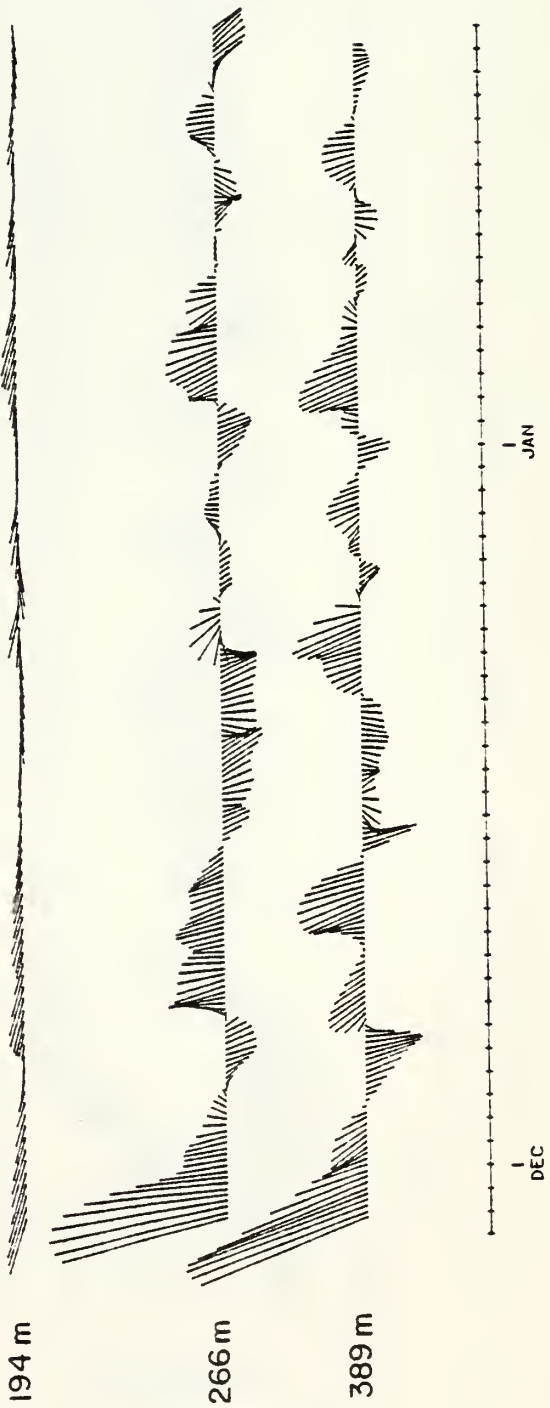
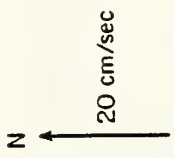


TEMPERATURE 389 M AT STN 2.



DEPTH (FROM PRESSURE) OF RCM 1319 AT STN 2

LLP FILTERED CURRENT AT STATION 2. NOVEMBER 1979 - JANUARY 1980.



STATION 7 - 35° 52.2'N, 121° 46.4'W  
4 MAR 80 - 15 APR 80

Record #30, Depth 113 m

	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	5.14	2.47	0.64	3.08	0.80	14.90	6045
U(cm/s)	-3.88	1.95	-0.74	3.42	-12.70	-0.30	6045
V(cm/s)	3.32	1.63	0.78	3.67	0.30	10.90	6045
T(°C)	8.88	0.43	0.70	2.26	8.06	10.12	6045

Record #31, Depth 186 m

S(cm/s)	8.83	4.59	0.67	3.28	0.80	28.70	5787
U(cm/s)	-1.95	6.24	0.59	4.24	-22.50	27.80	5787
V(cm/s)	3.14	6.82	-0.40	3.29	-21.10	21.60	5787
T(°C)	8.19	0.36	0.63	2.31	7.53	9.62	5787

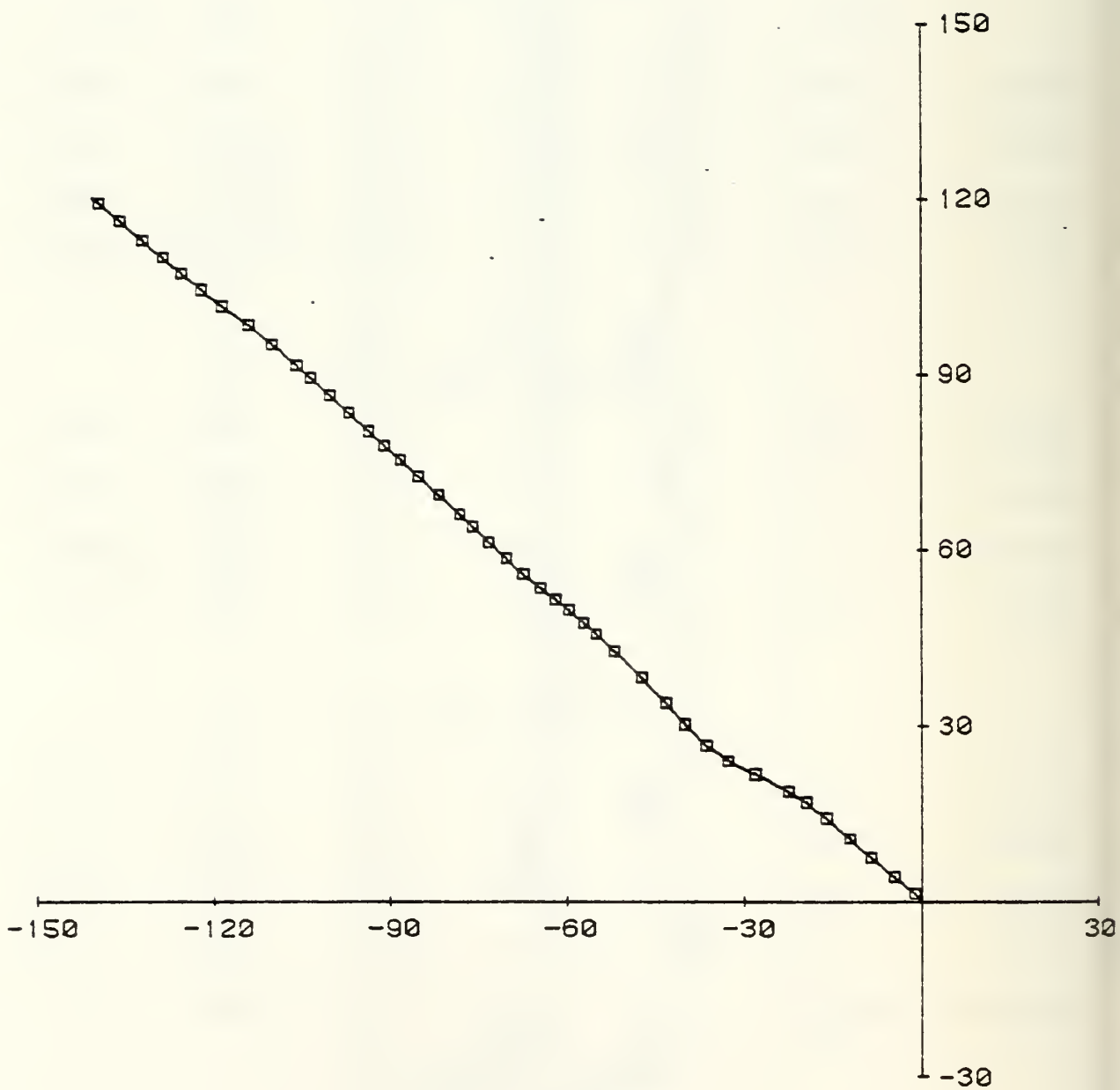
Record #32, Depth 311 m

S(cm/s)	6.76	4.19	0.30	2.42	0.80	20.00	4860
U(cm/s)	-0.91	5.10	0.11	3.28	-17.90	15.40	4860
V(cm/s)	1.82	5.75	-0.12	2.87	-15.50	19.50	4860
T(°C)	7.16	0.25	0.42	2.10	6.54	7.81	4860
Z(meters)	333.63	0.41	1.03	4.50	333.20	335.70	4860

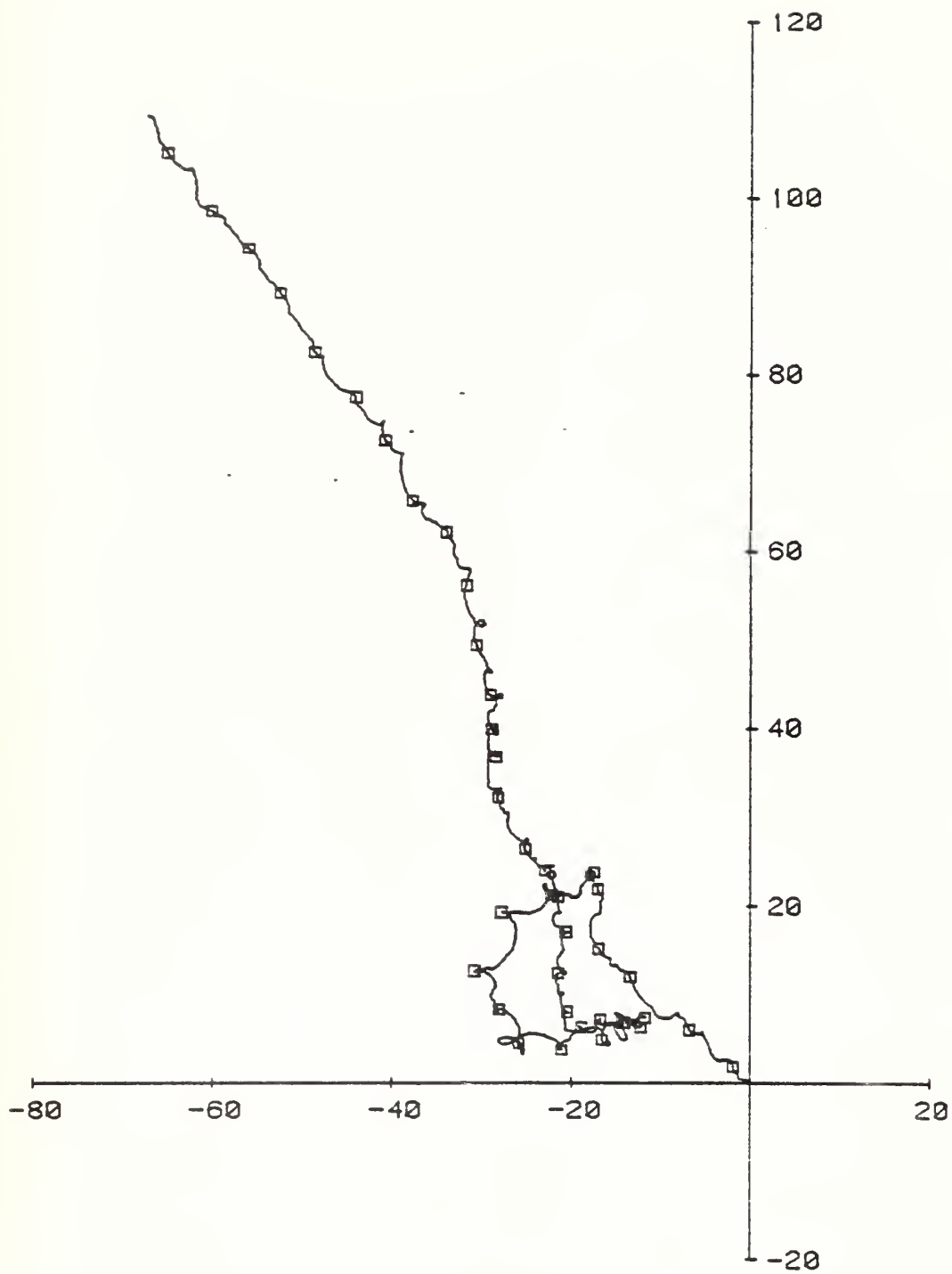
Record #33, Depth 510 m

S(cm/s)	6.41	3.45	0.99	4.22	0.80	22.80	5802
U(cm/s)	-0.87	5.13	0.01	3.31	-17.70	21.60	5802
V(cm/s)	1.07	4.98	-0.09	3.52	-18.10	18.80	5802
T(°C)	5.76	0.14	0.49	2.55	5.42	6.22	5802

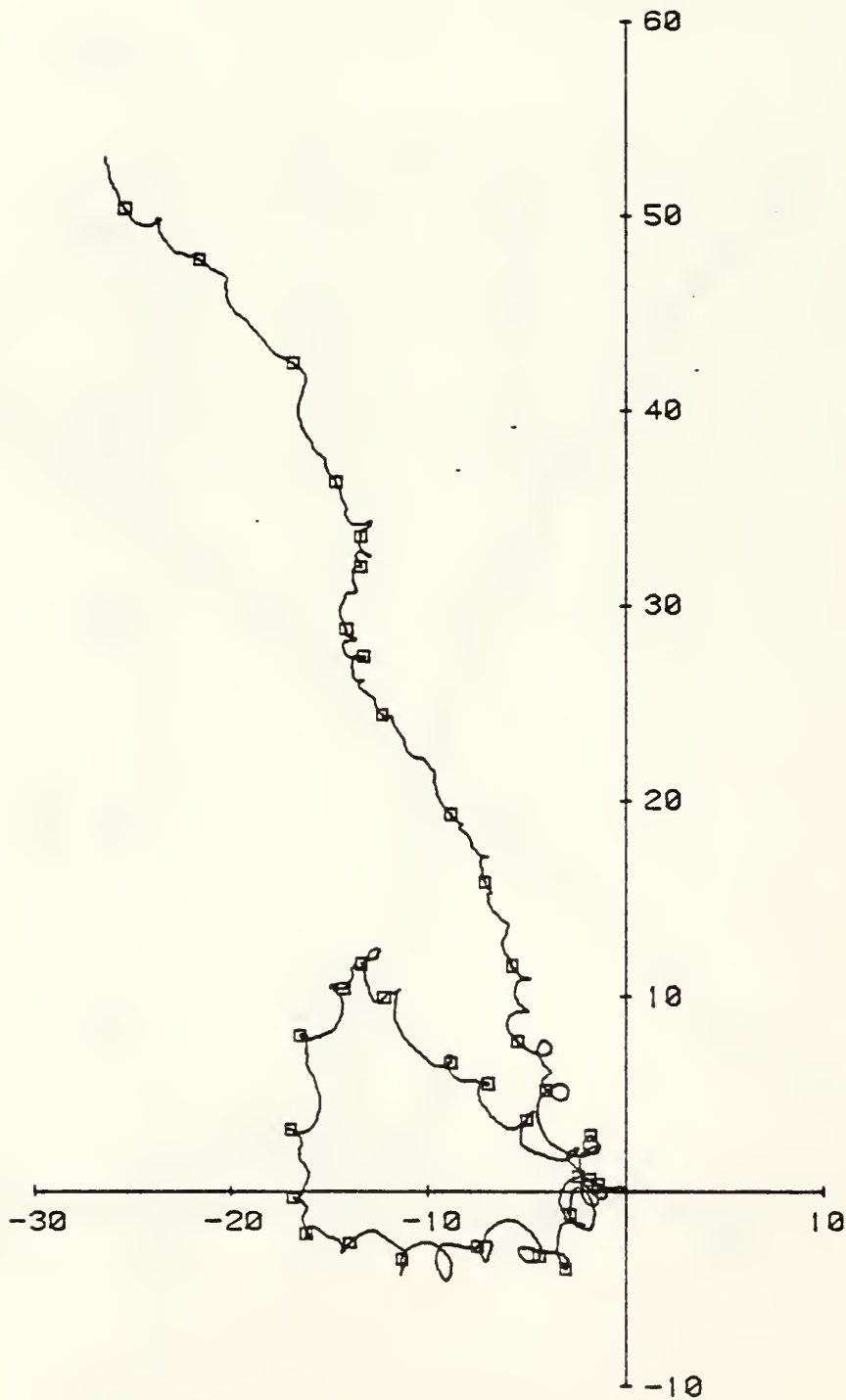




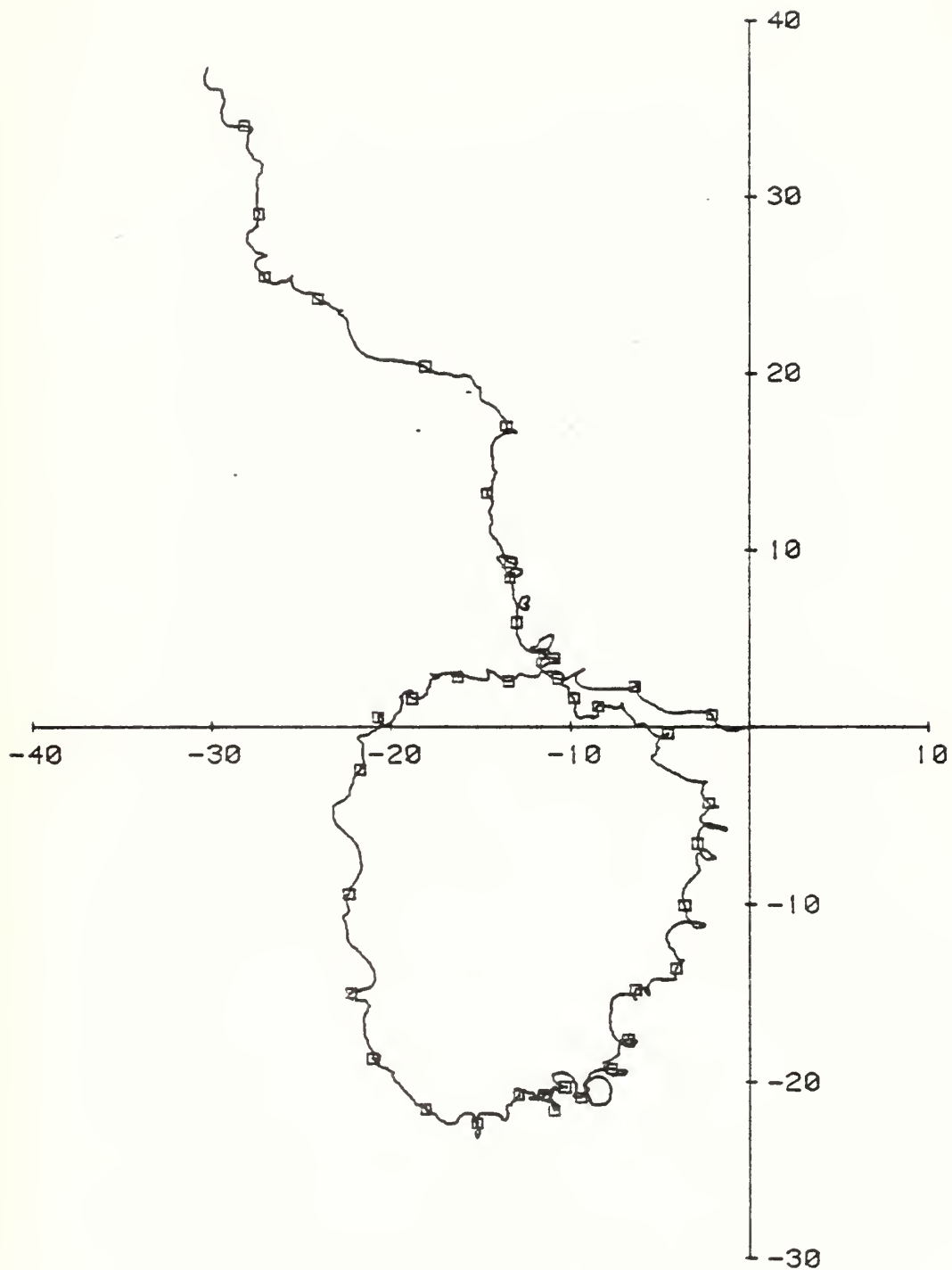
113 M AT STN 7. 4 MAR 80 - 15 APR 80. TAPE 2760/4.



186 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 842/11.

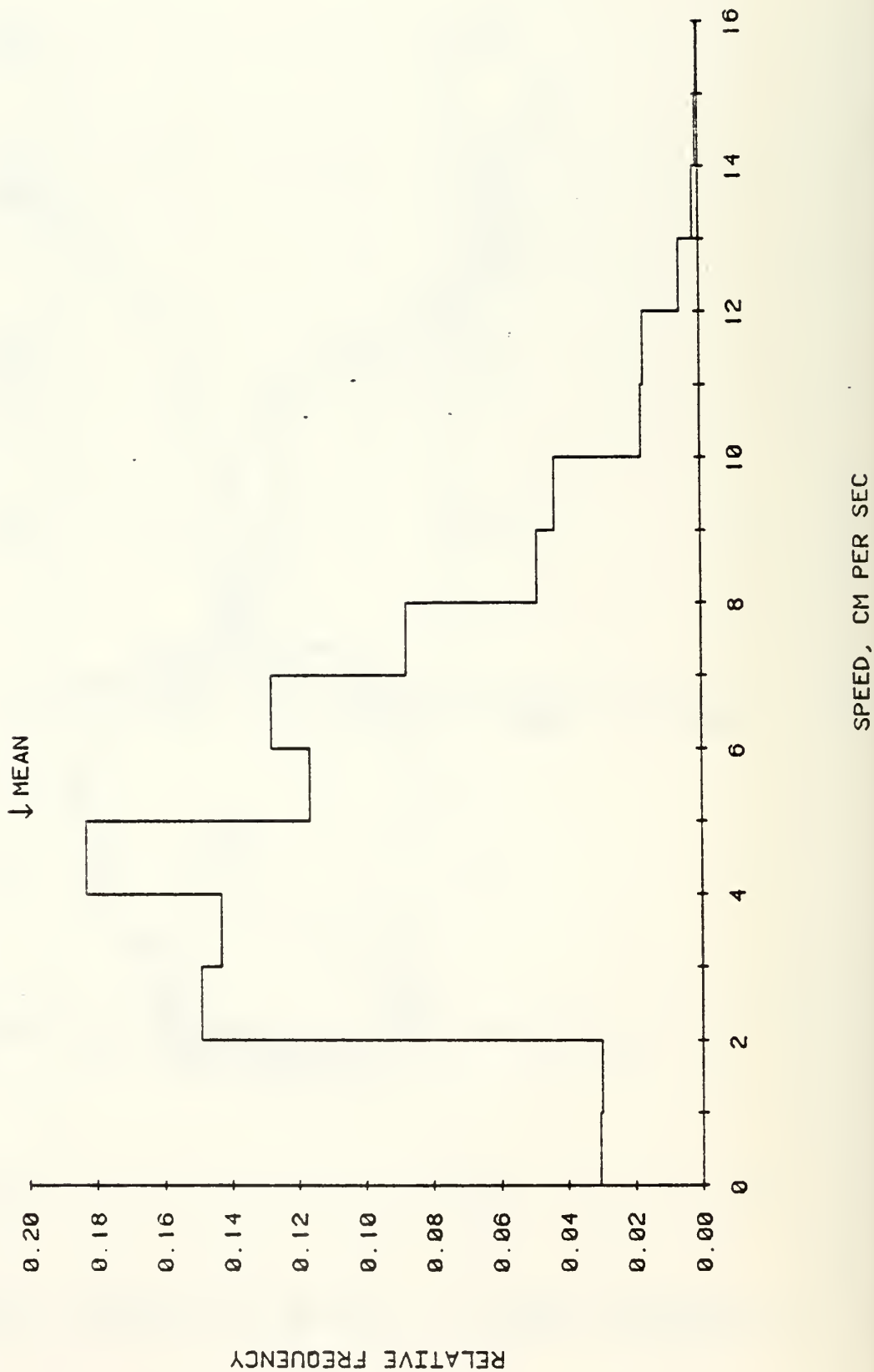


311 M AT STN 7. 4 MAR 80 - 7 APR 80. TAPE 762/13.

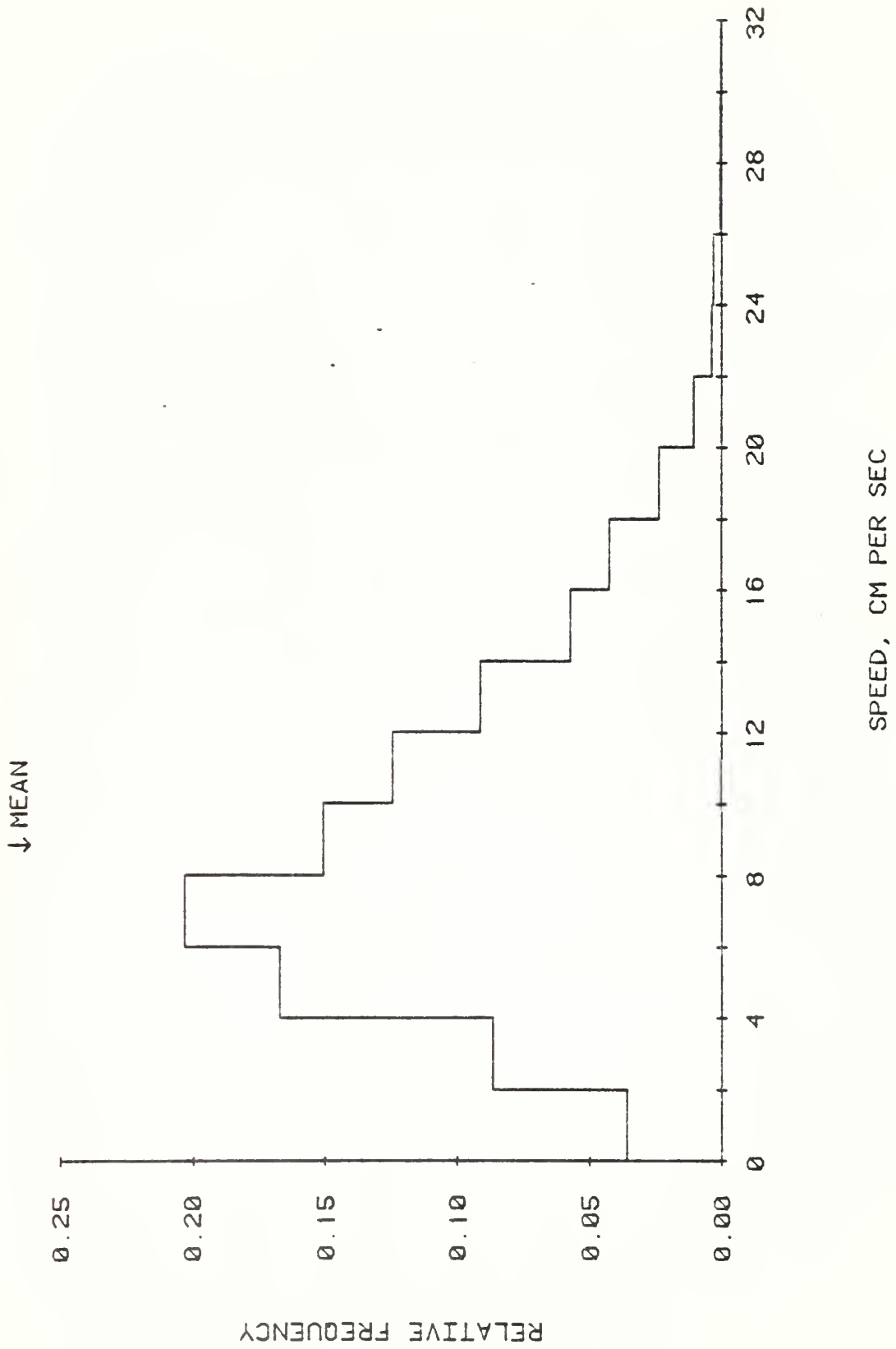


510 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 1495/6.

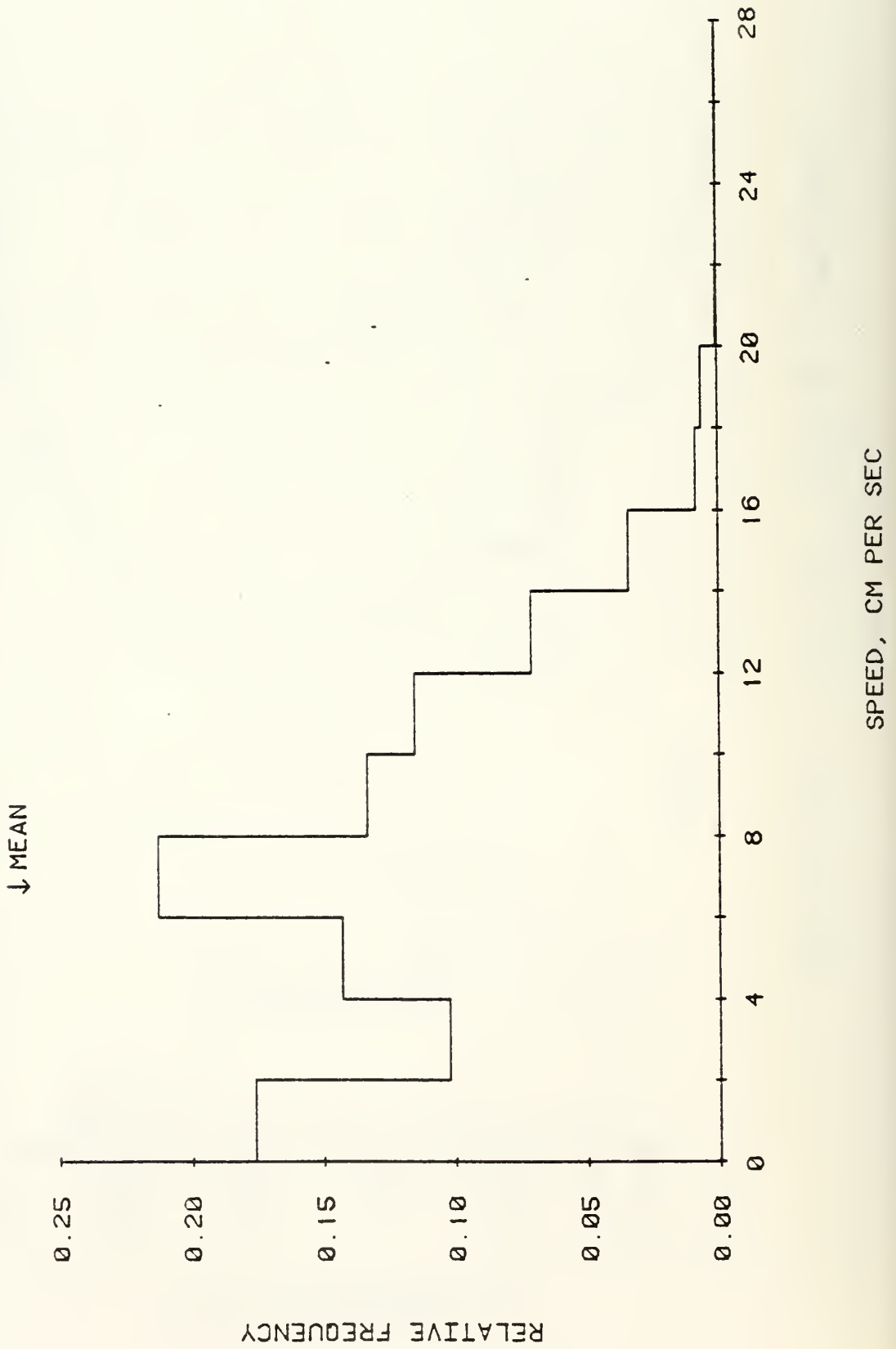
113 M A STN 7. 4 MAR 80 - 15 APR 80. TAPE 2760/4.



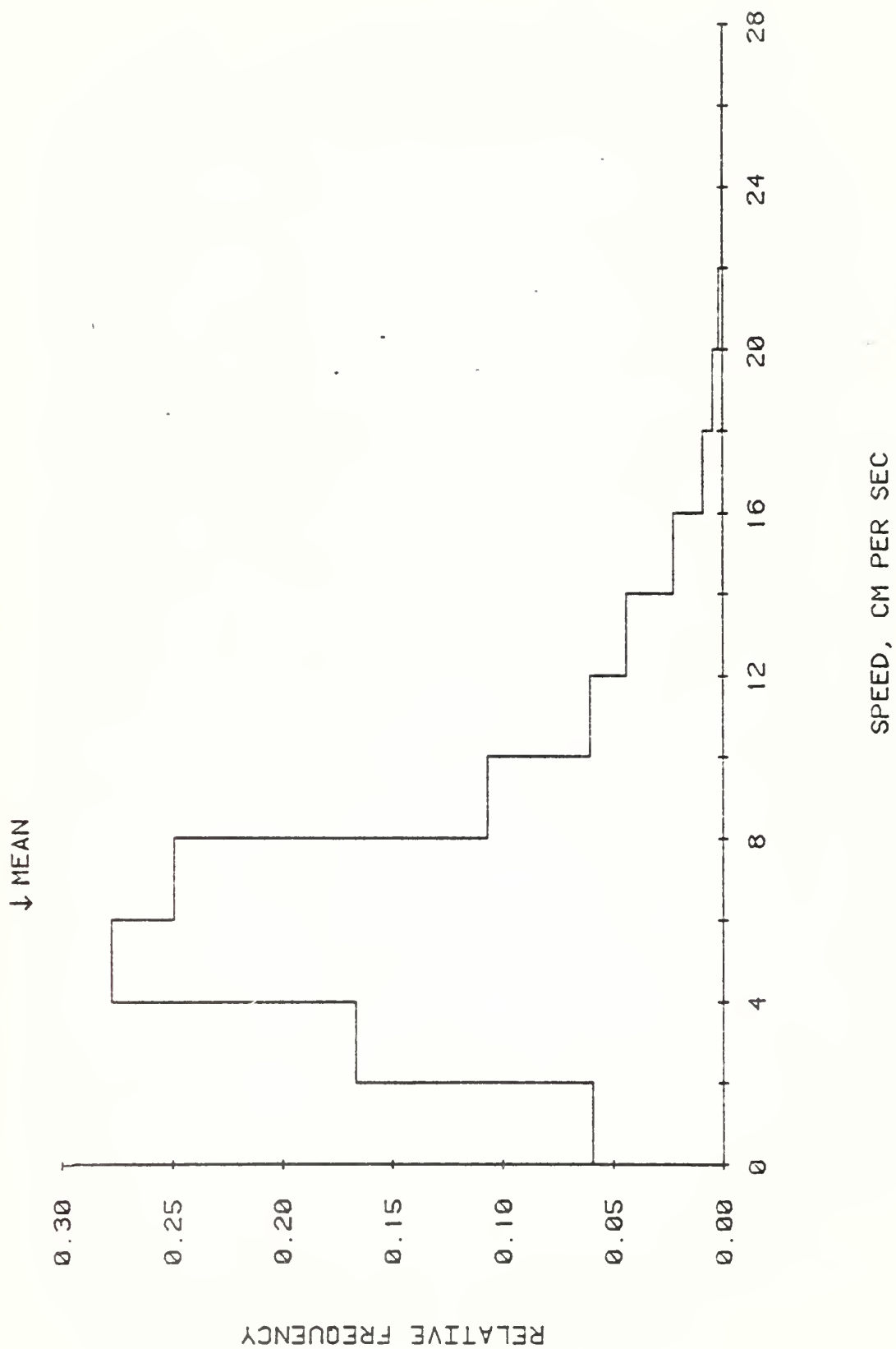
186 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 842/11.



311 M AT STN 7. 4 MAR 80 - 7 APR 80. TAPE 762/13.

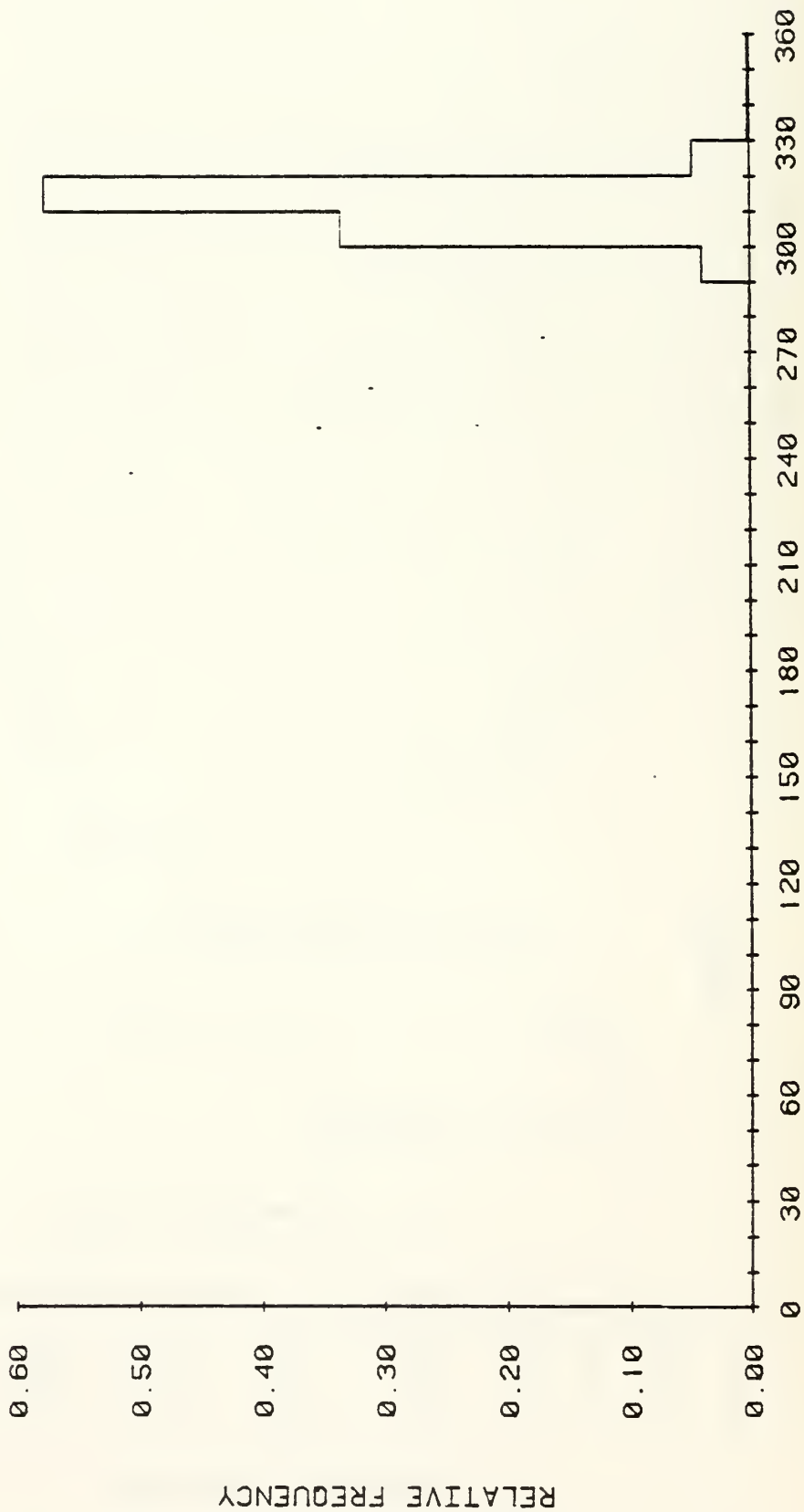


510 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 1495/6.



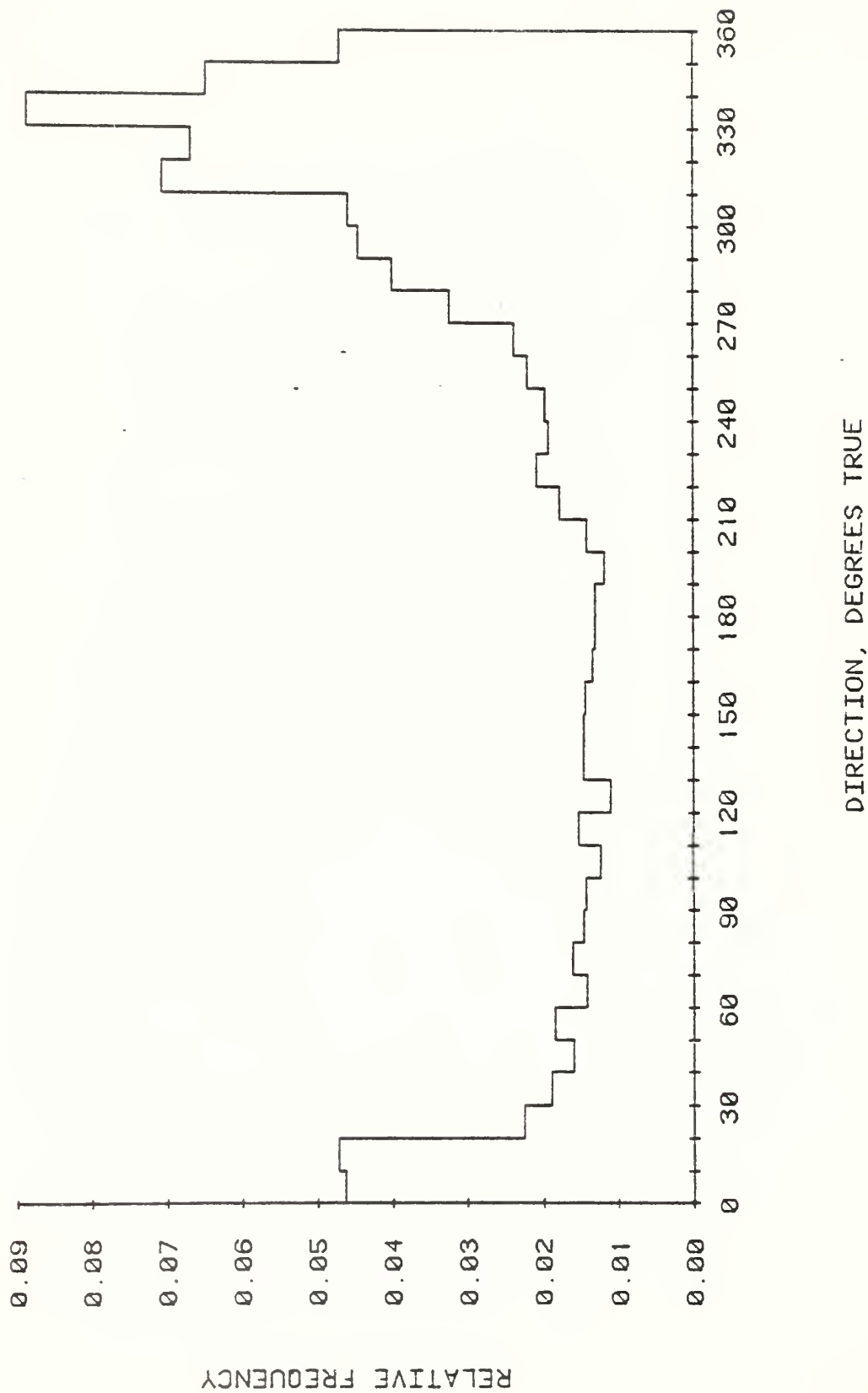


113 M AT STN 7. 4 MAR 80 - 15 APR 80. TAPE 2760/4.

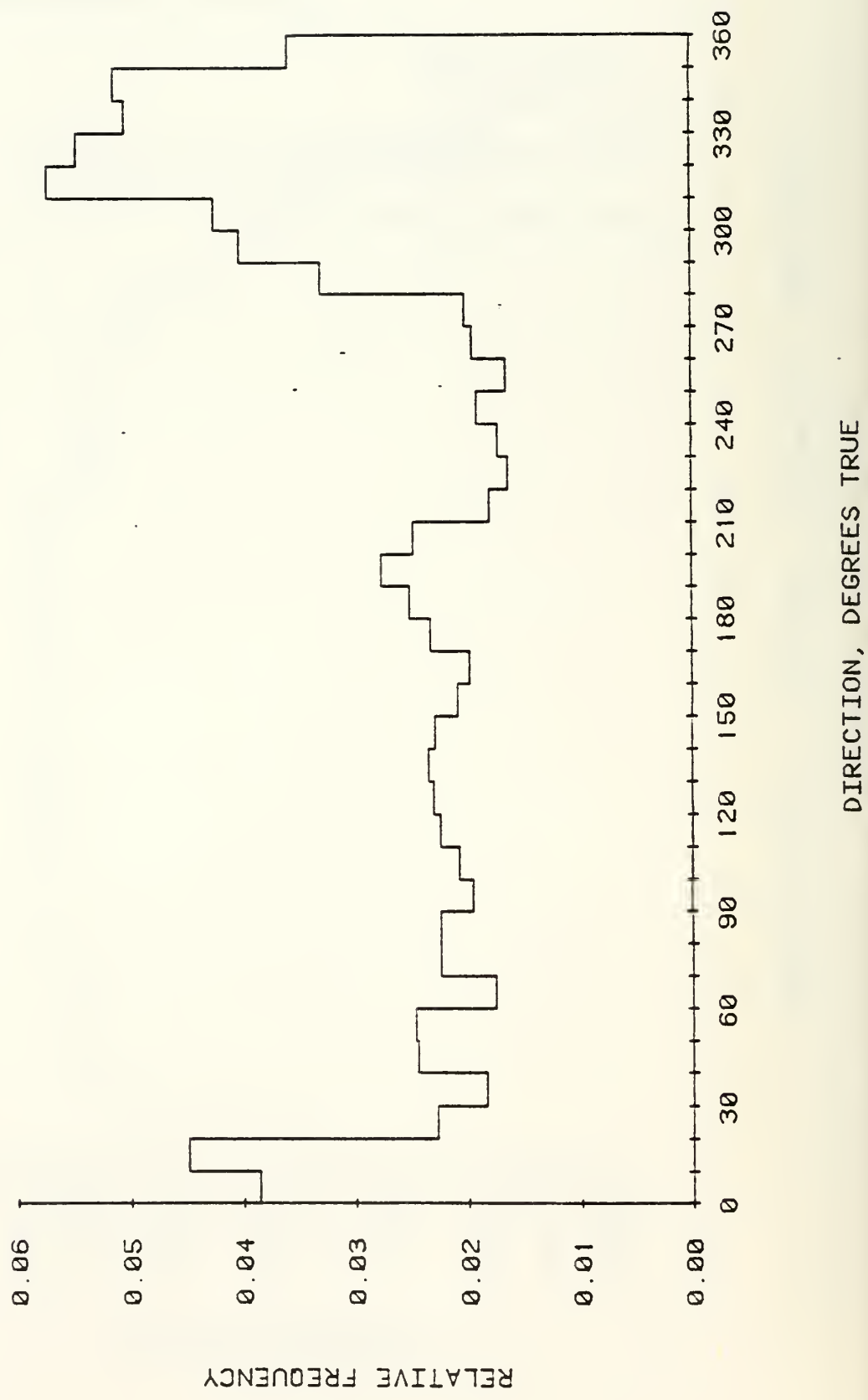


DIRECTION, DEGREES TRUE

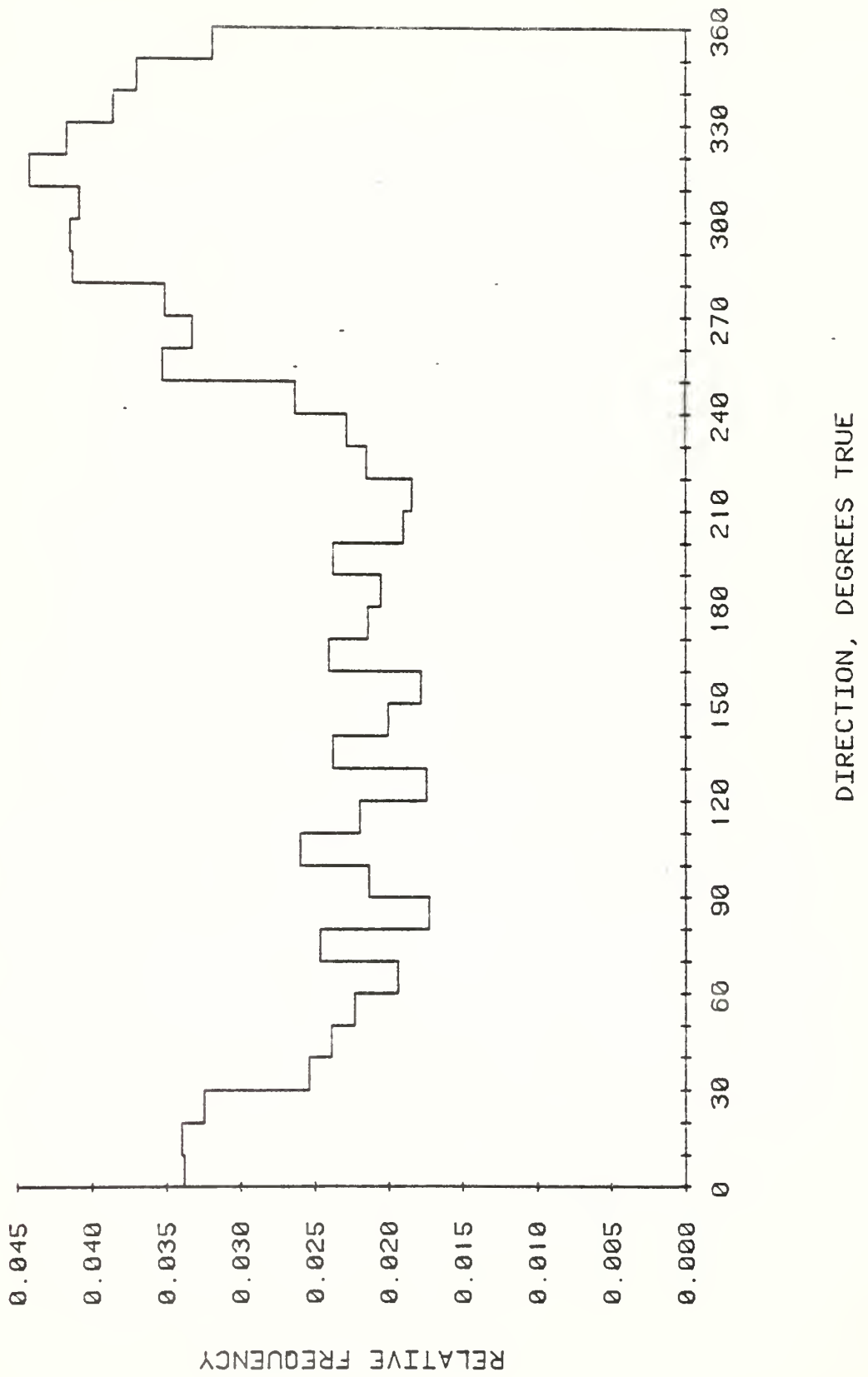
186 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 842/11.



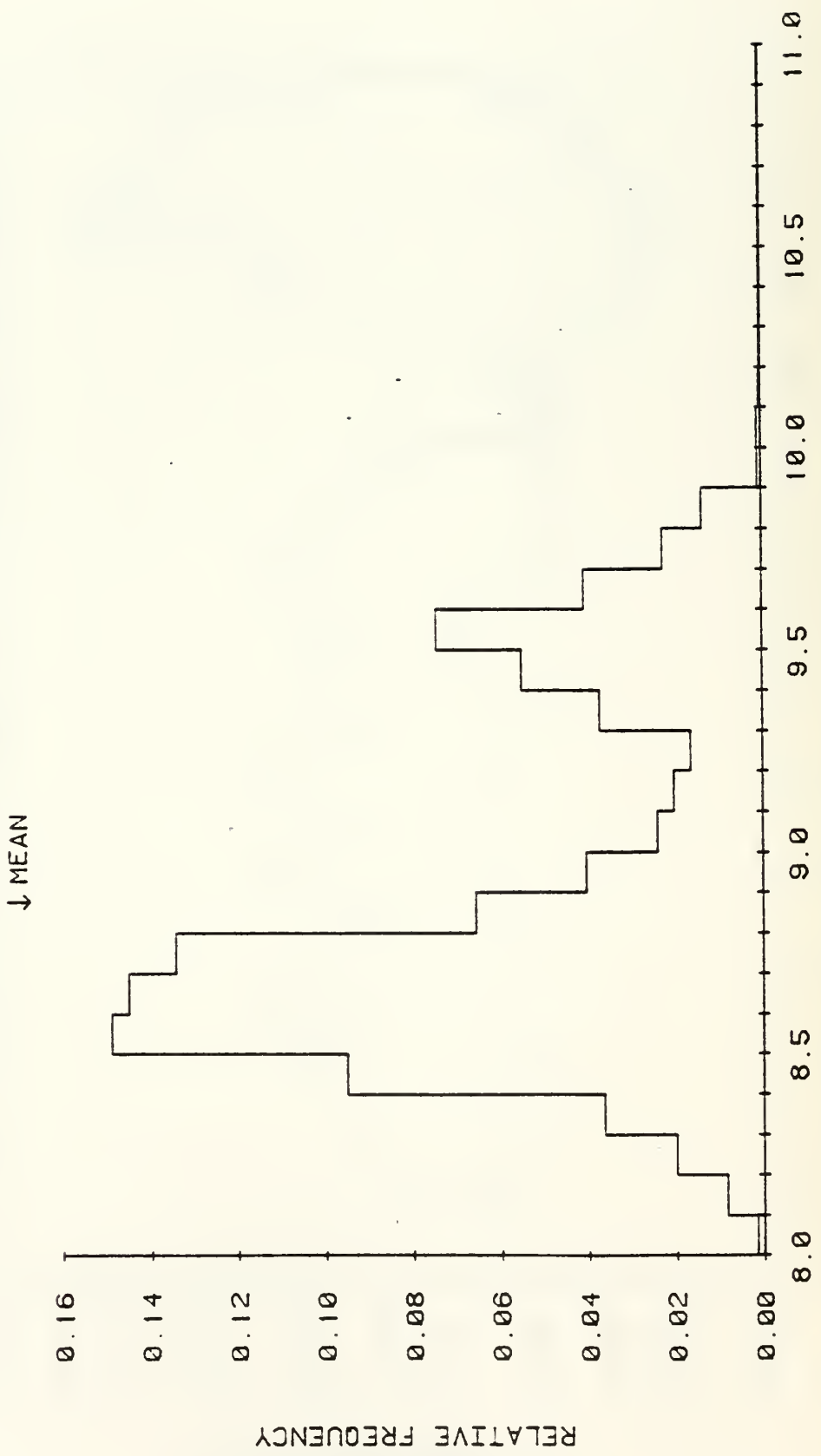
311 M AT STN 7. 4 MAR 80 - 7 APR 80. TAPE 762/13.



510 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 1495/6.



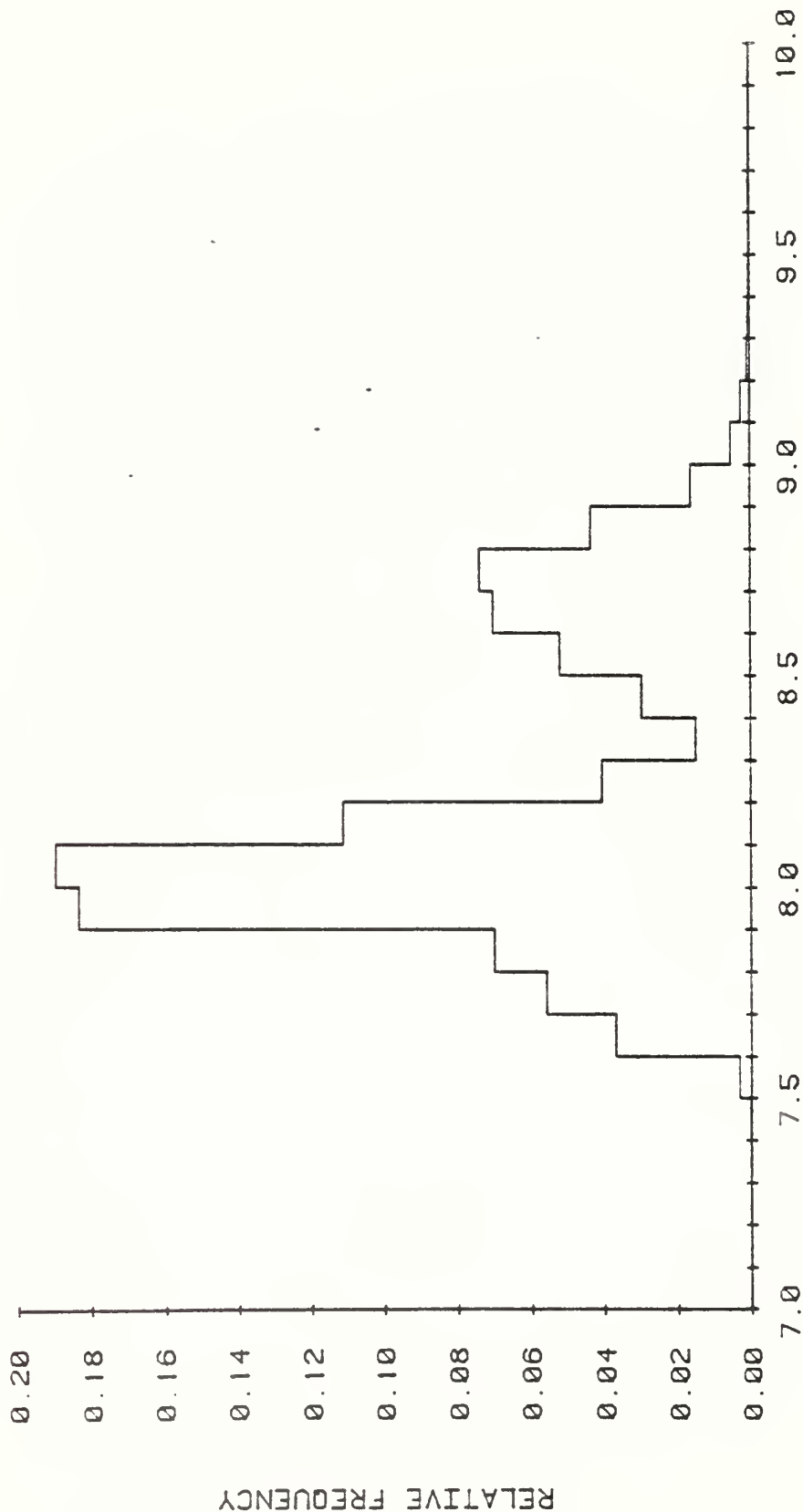
113 M AT STN 7. 4 MAR 80 - 15 APR 80. TAPE 2760/4.



TEMPERATURE, DEGREES C.

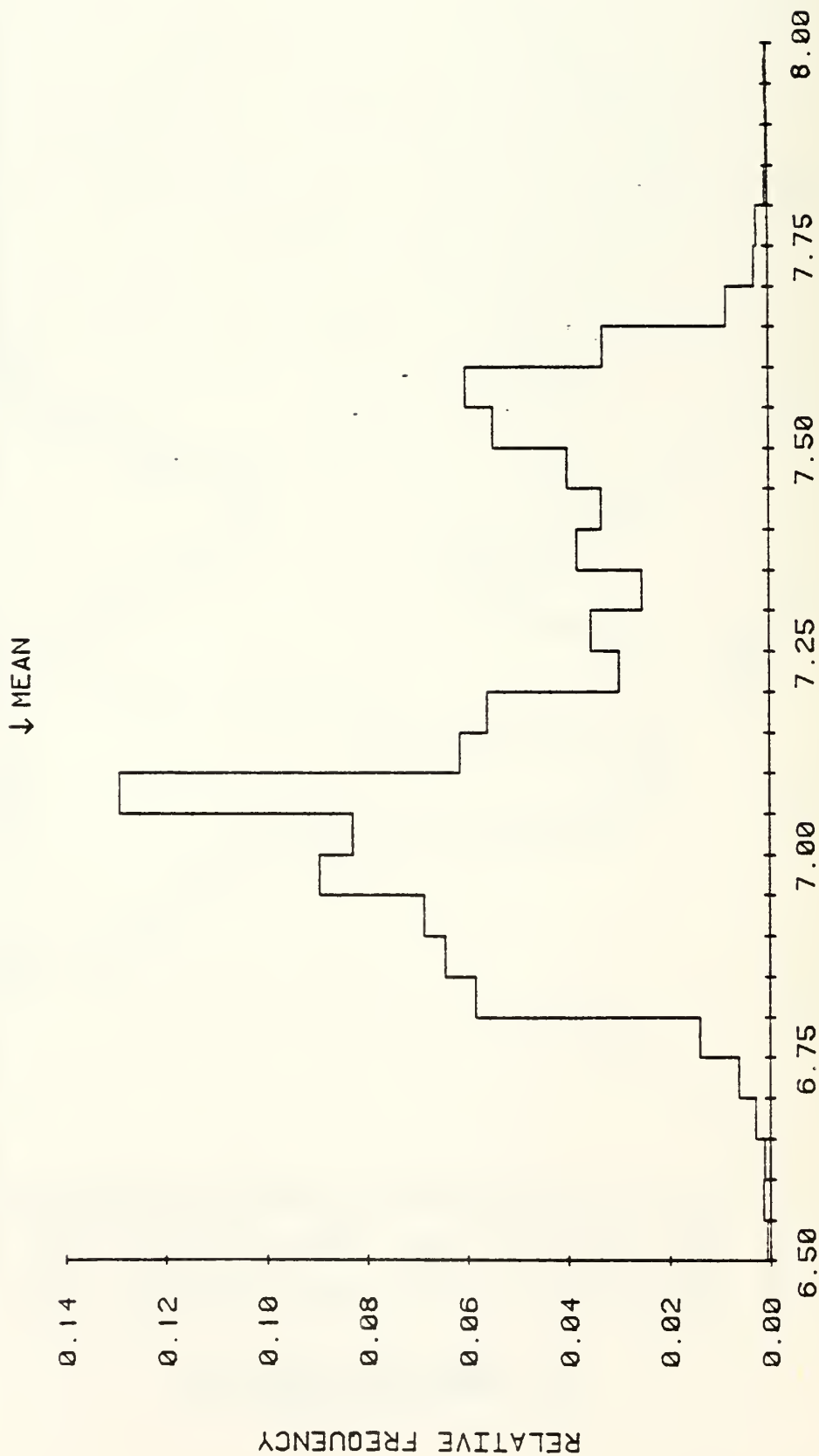
186 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 842/11.

↓ MEAN



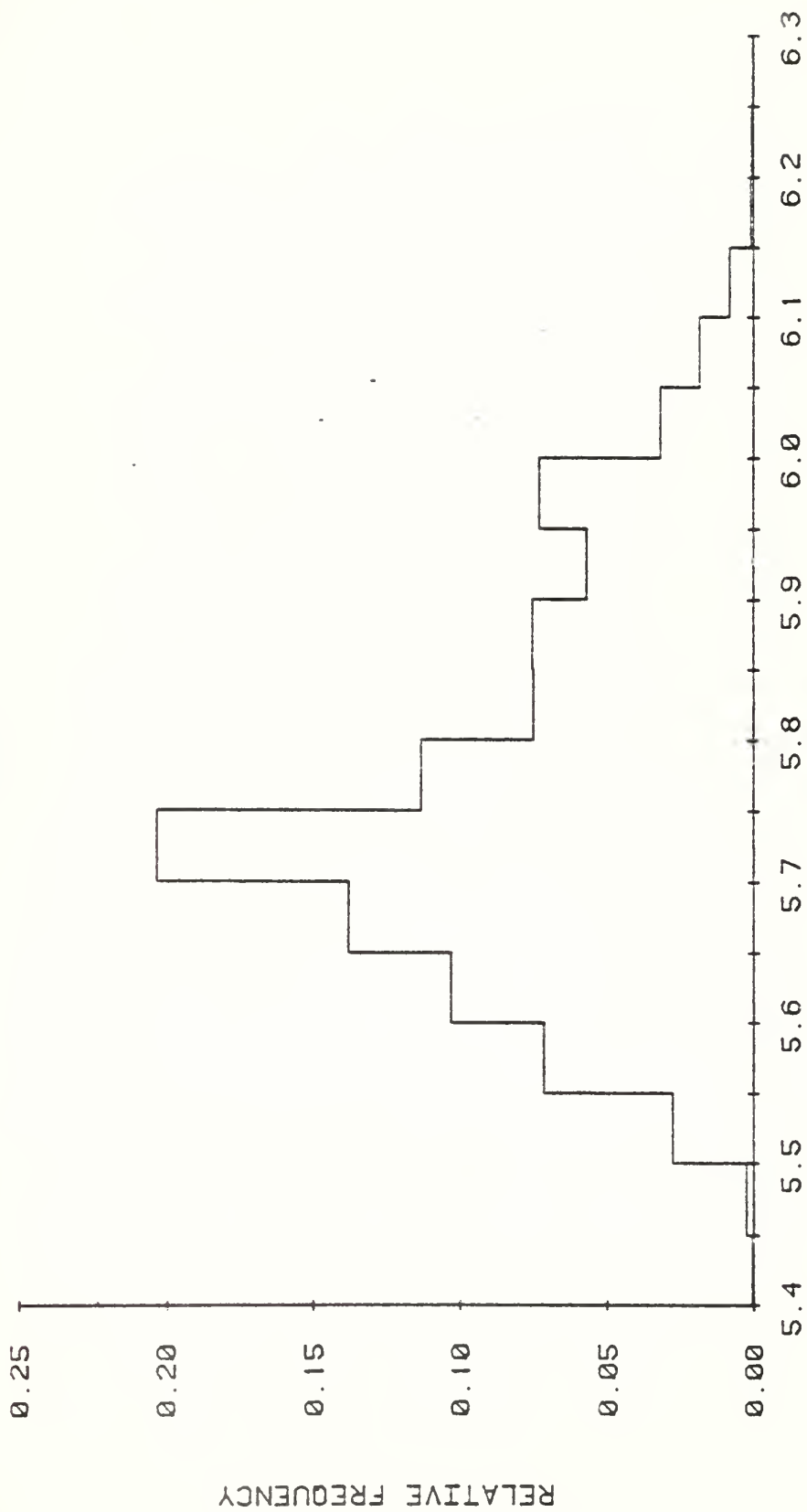
TEMPERATURE, DEGREES C.

311 M AT STN 7. 4 MAR 80 - 7 APR 80. TAPE 762/13.



510 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 1495/6.

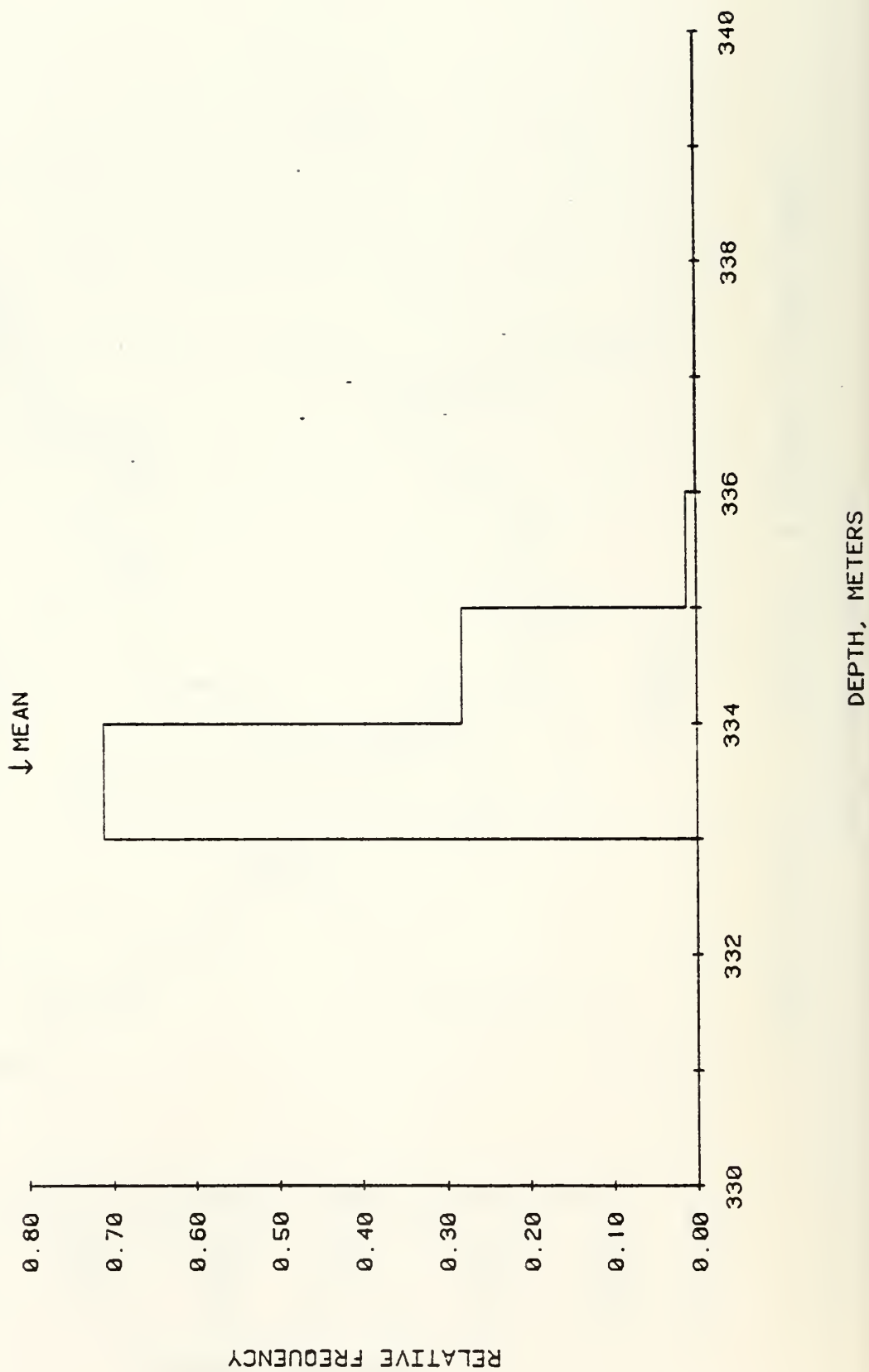
↓ MEAN



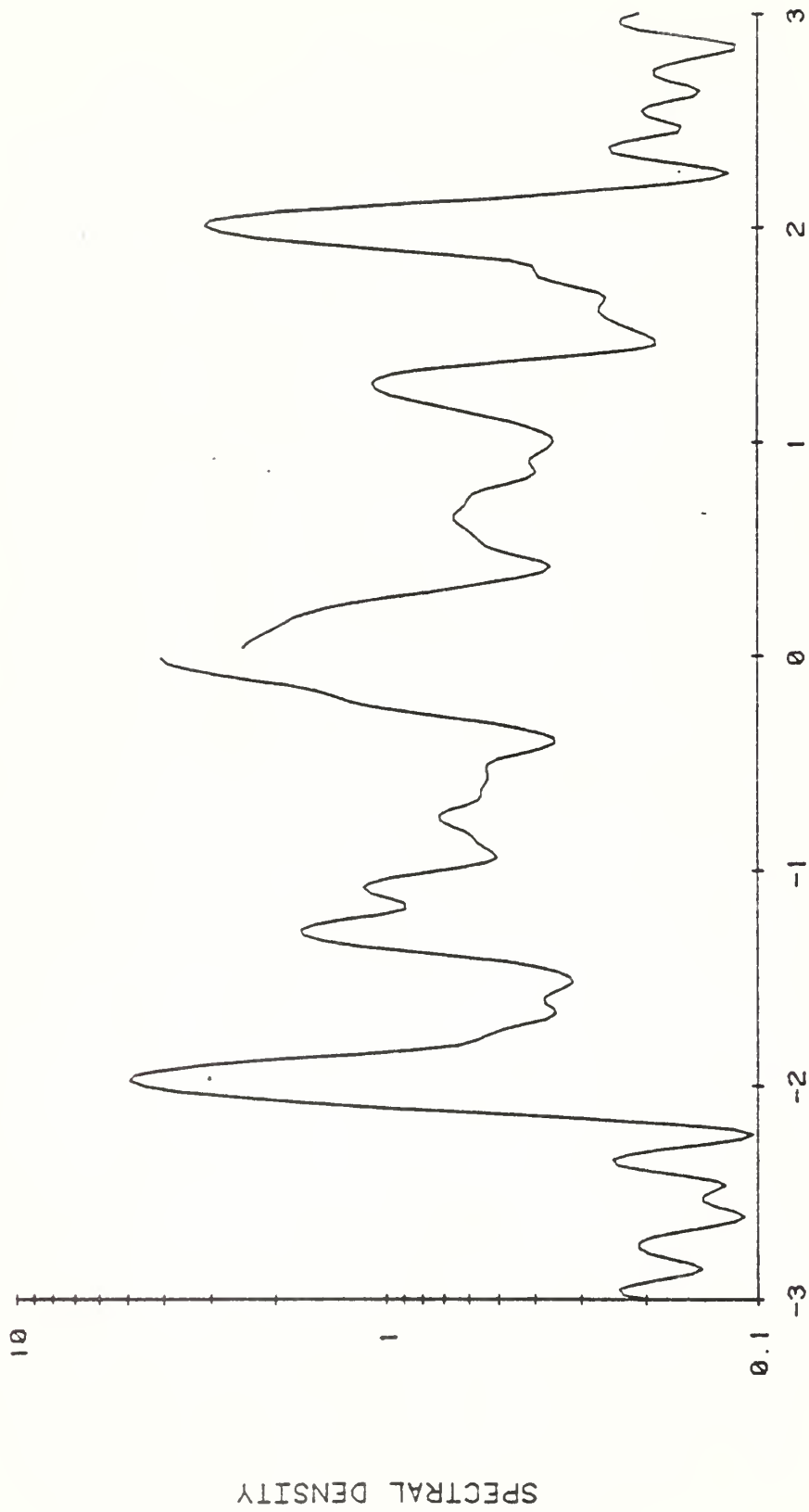
TEMPERATURE, DEGREES C.



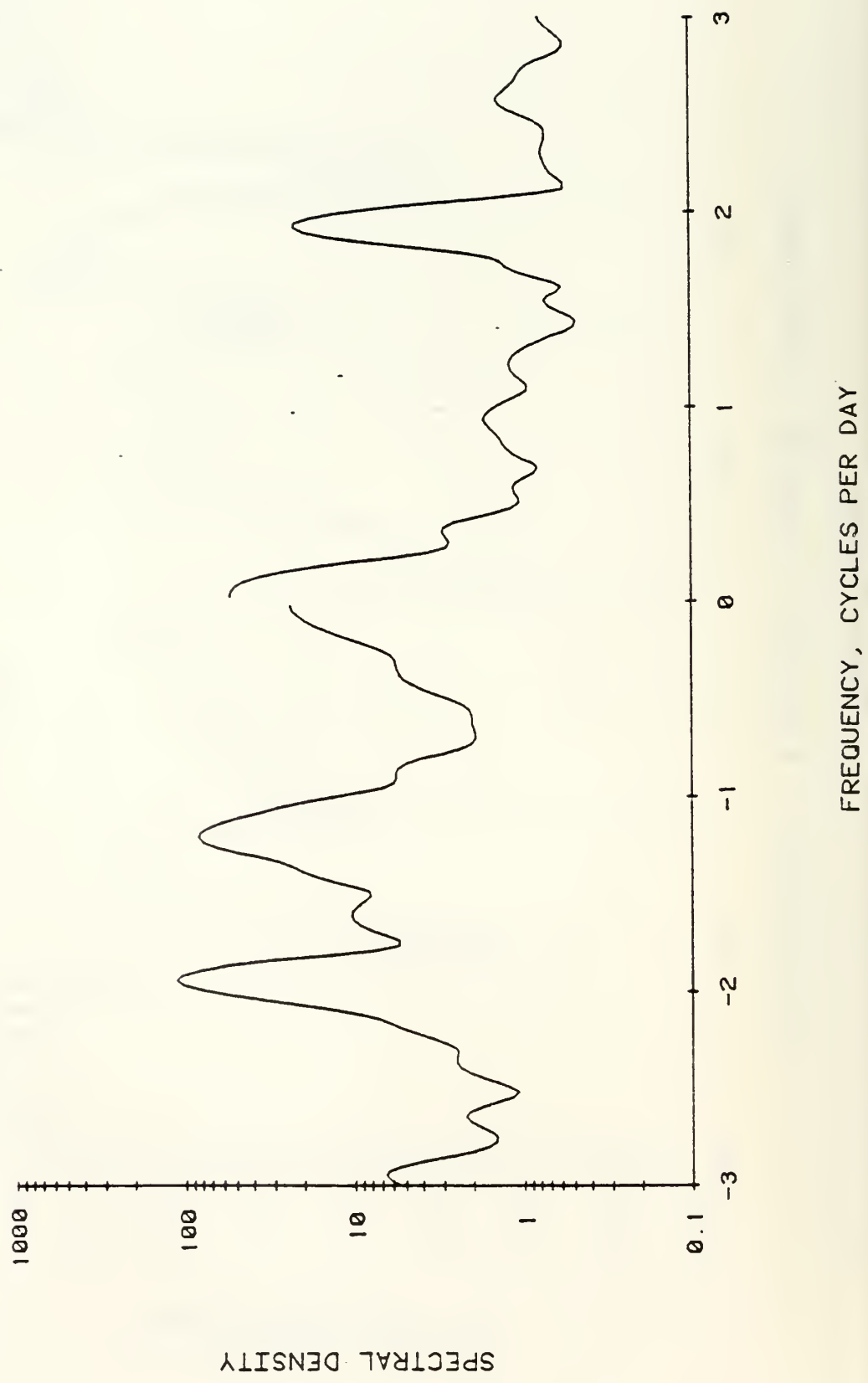
311 M AT STN 7. 4 MAR 80 - 7 APR 80. TAPE 762/13.



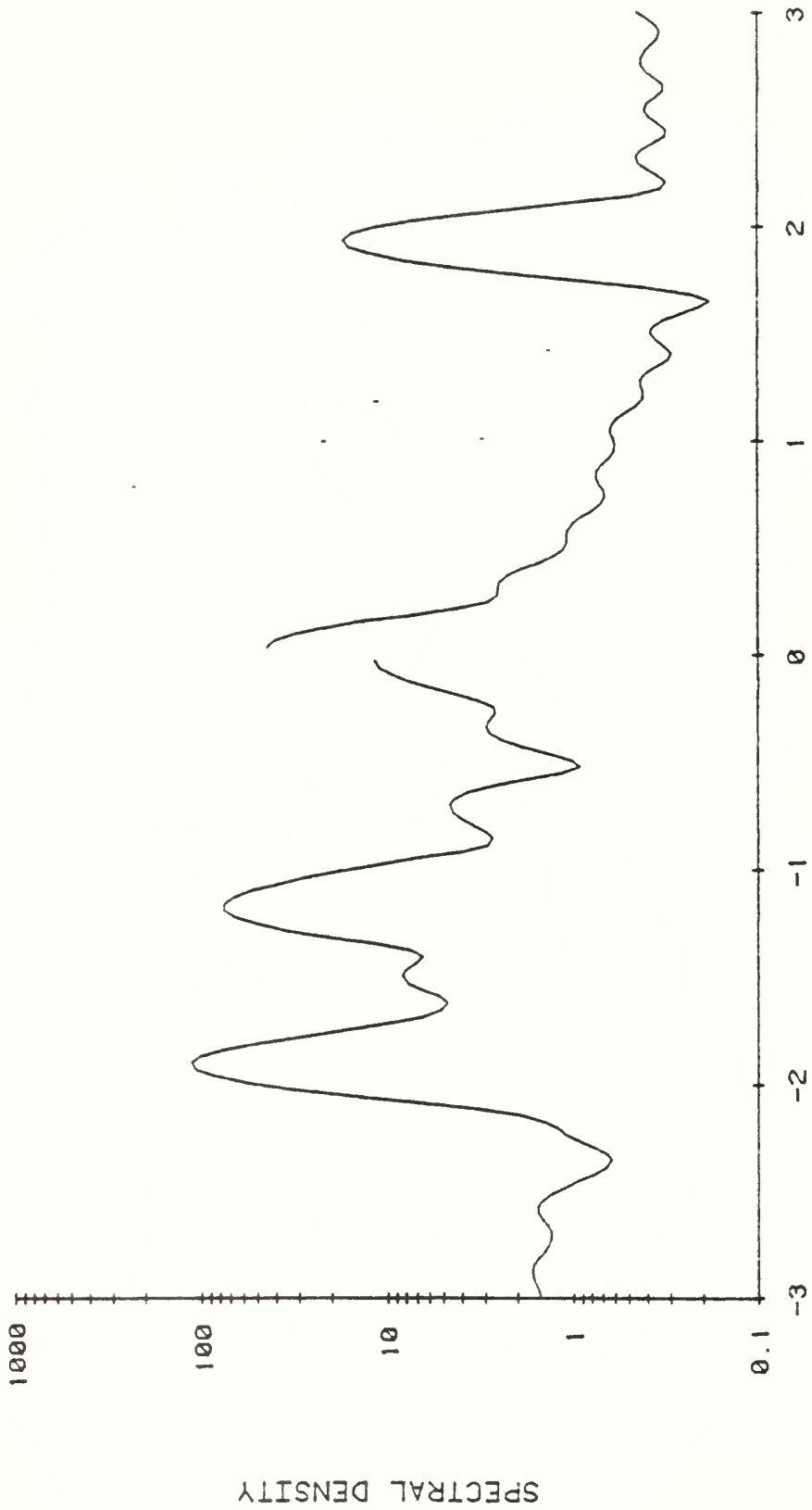
113 M AT STN 7. 4 MAR 80 - 15 APR 80. TAPE 2760/4.



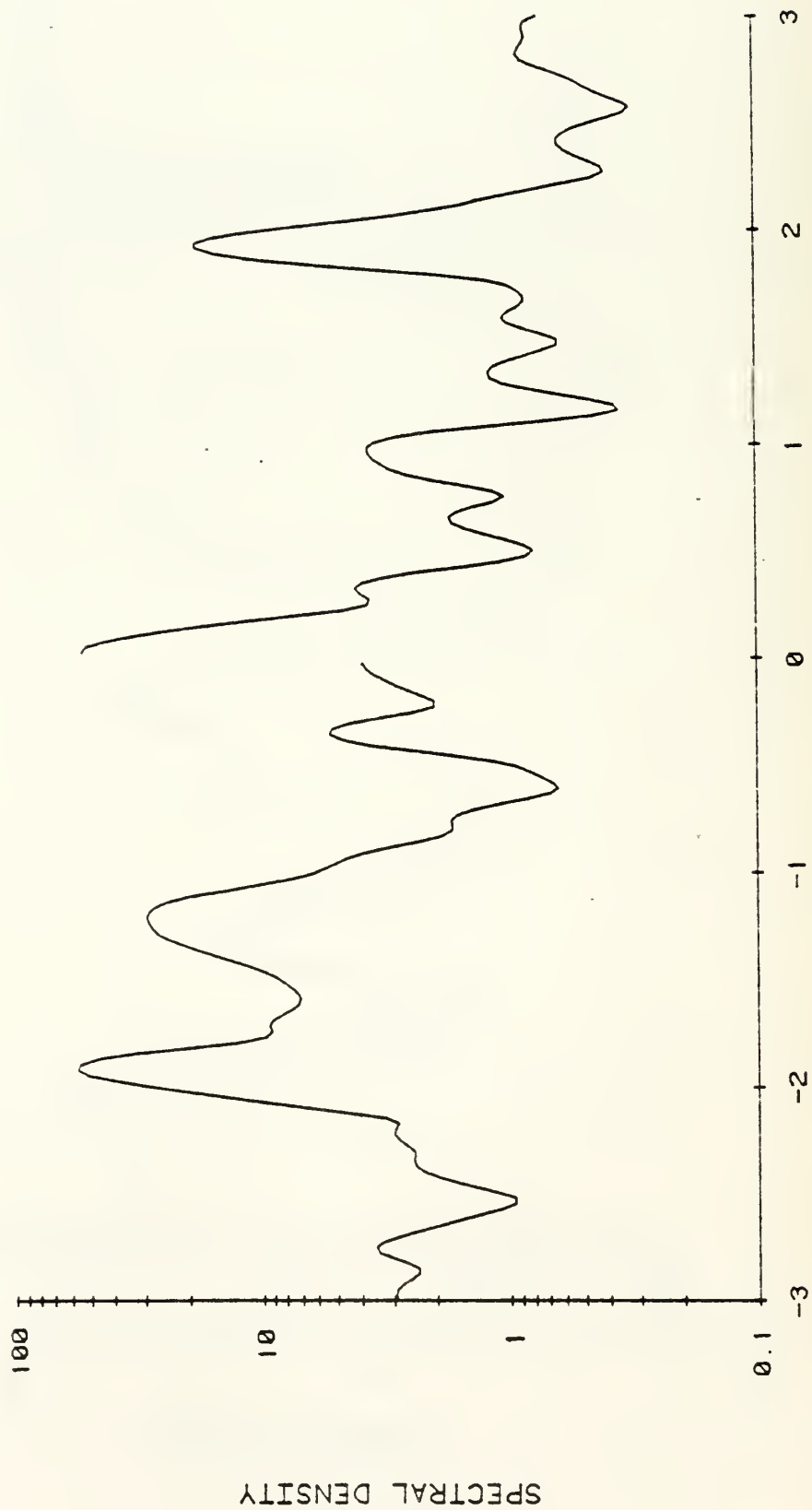
186 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 842/11.



311 M AT STN 7. 4 MAR 80 - 7 APR 80. TAPE 762/13.



510 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 1495/6.

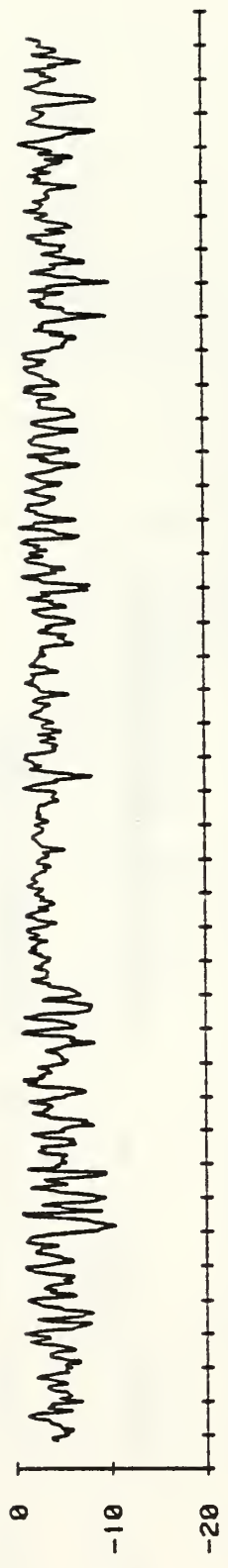


LLP FILTERED CURRENT AT STATION 7. MARCH, APRIL 1980.

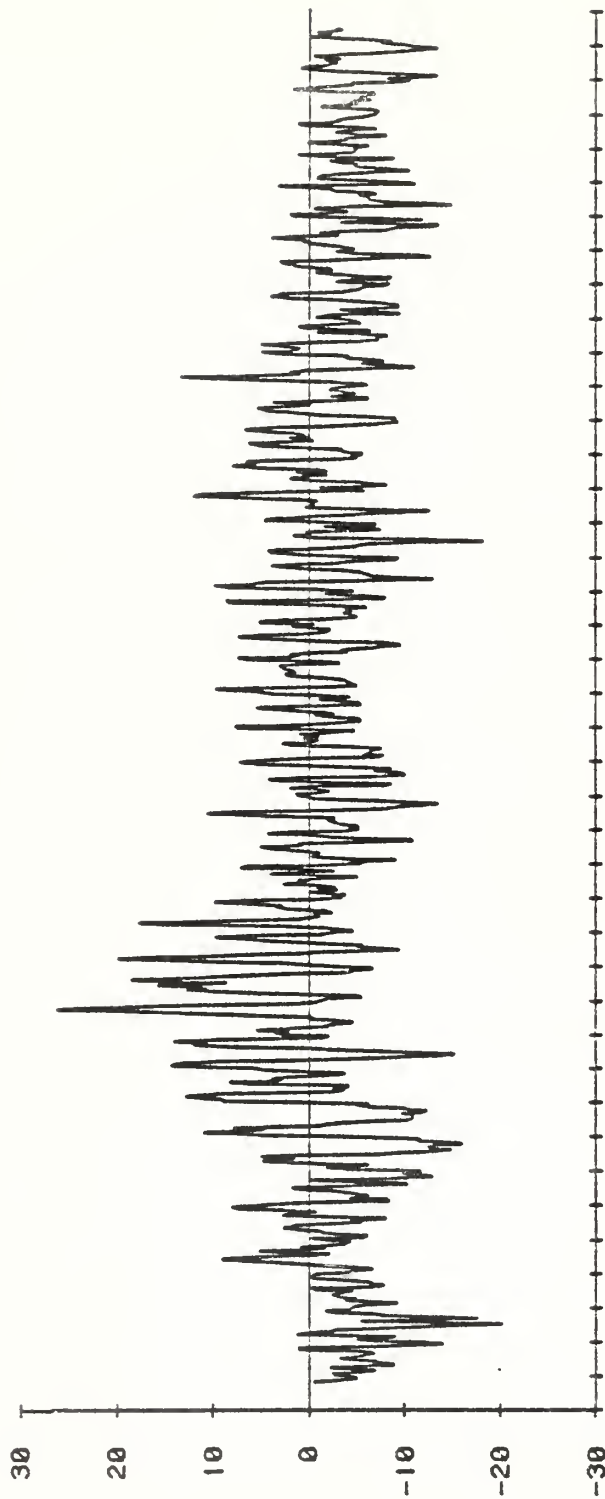
N  
20 cm/sec



CM PER SEC



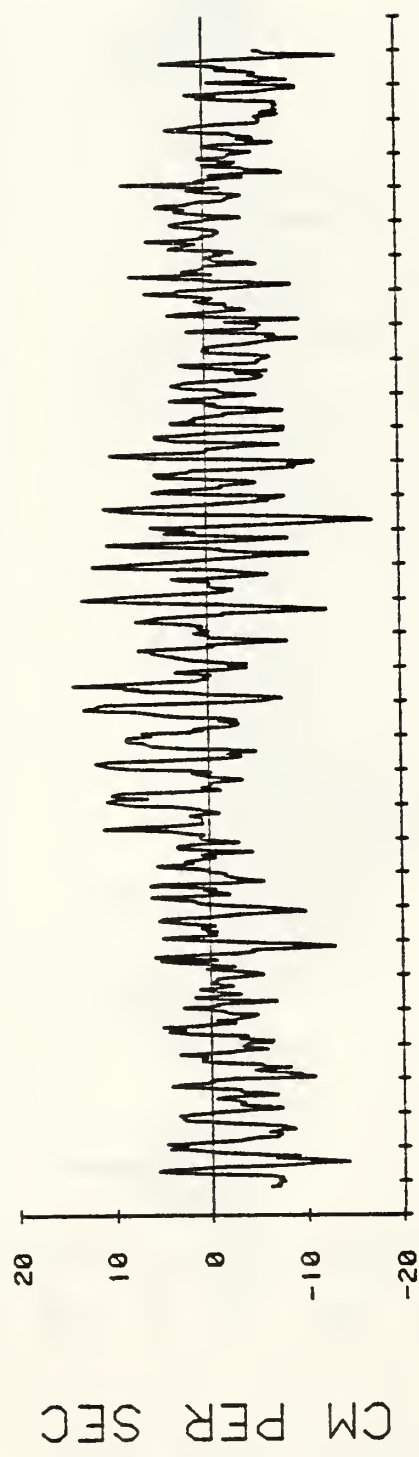
U COMPONENT. 113 M AT STN 7.



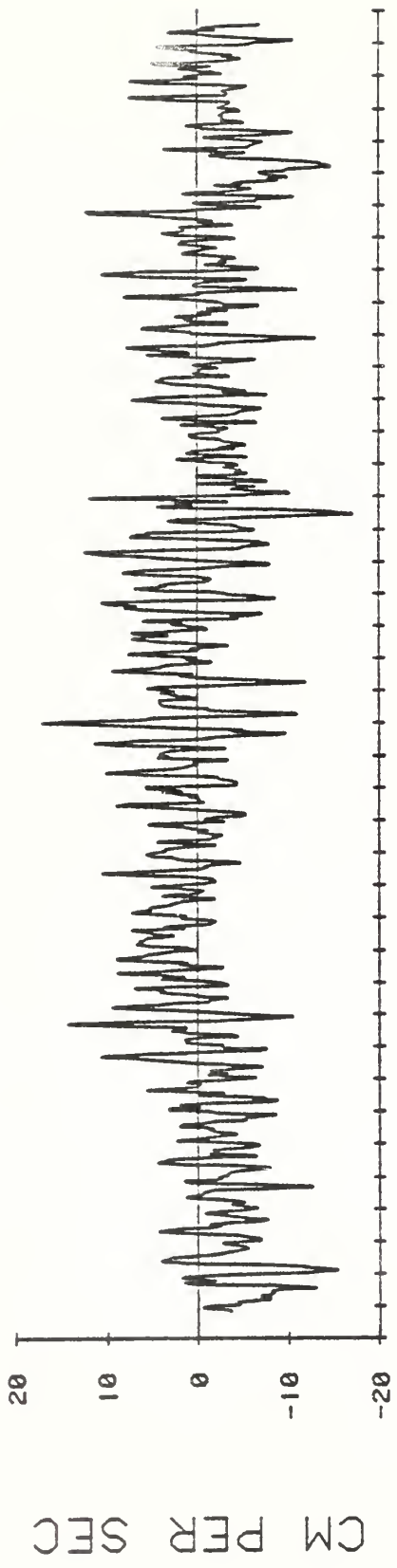
1  
APR

U COMPONENT . 186 M AT STN 7 .





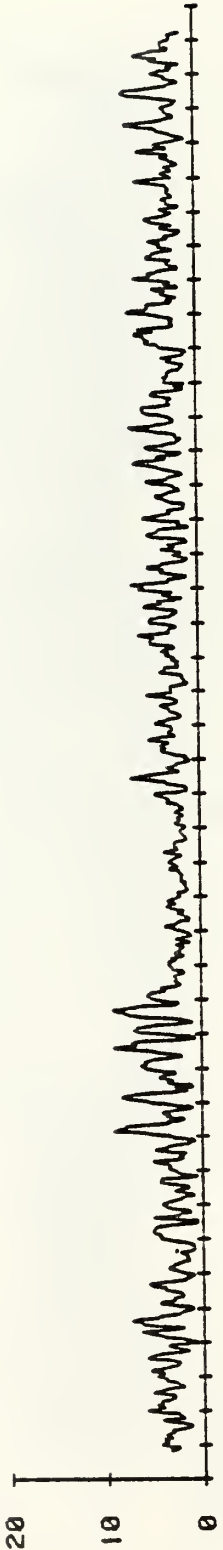
U COMPONENT. 311 M AT STN 7.



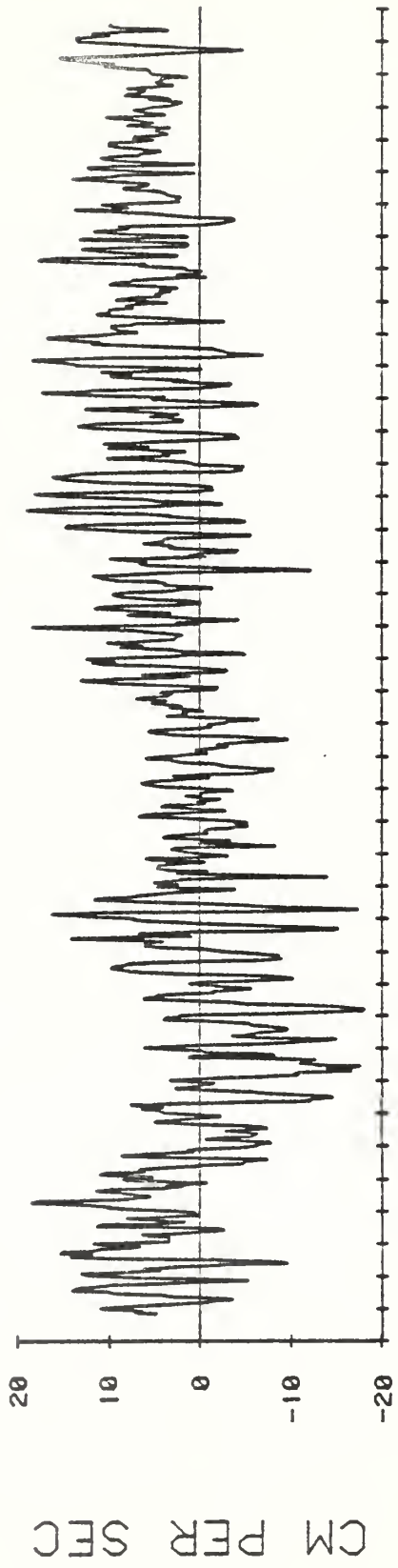
1  
APR

U COMPONENT . 510 M AT STN 7 .

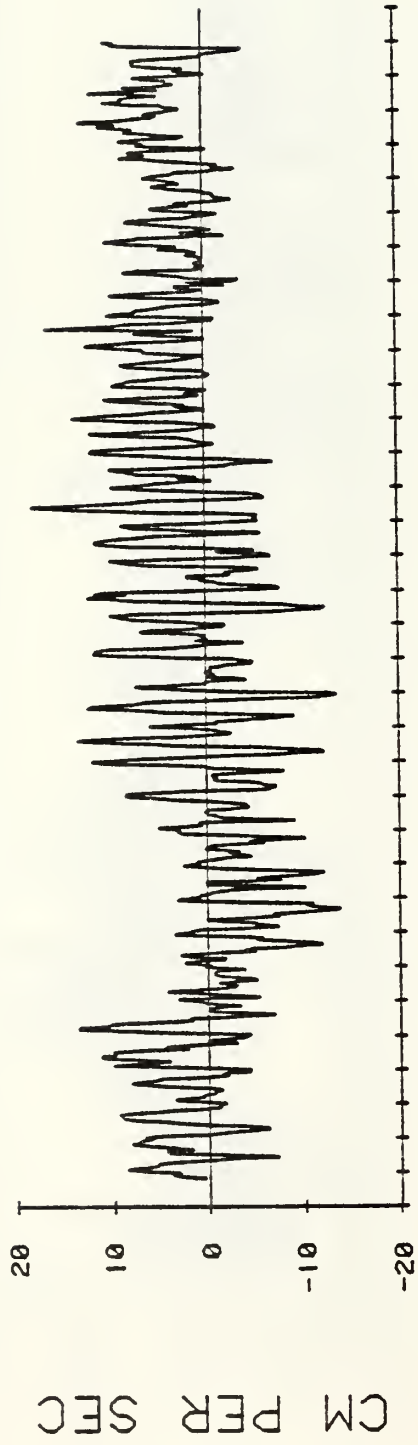
CM PER SEC



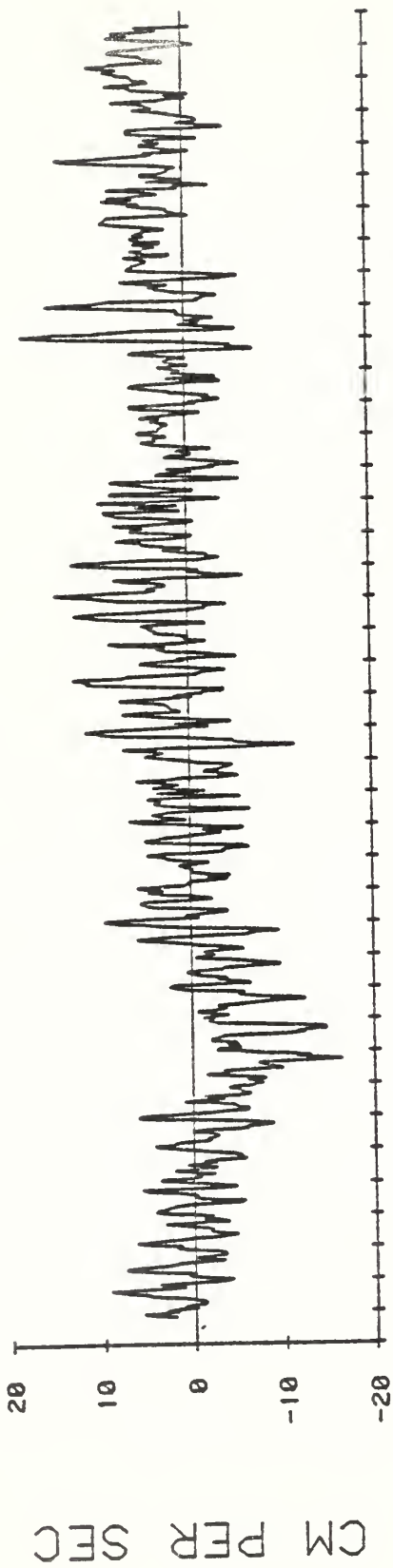
V COMPONENT. 113 M AT STN 7.



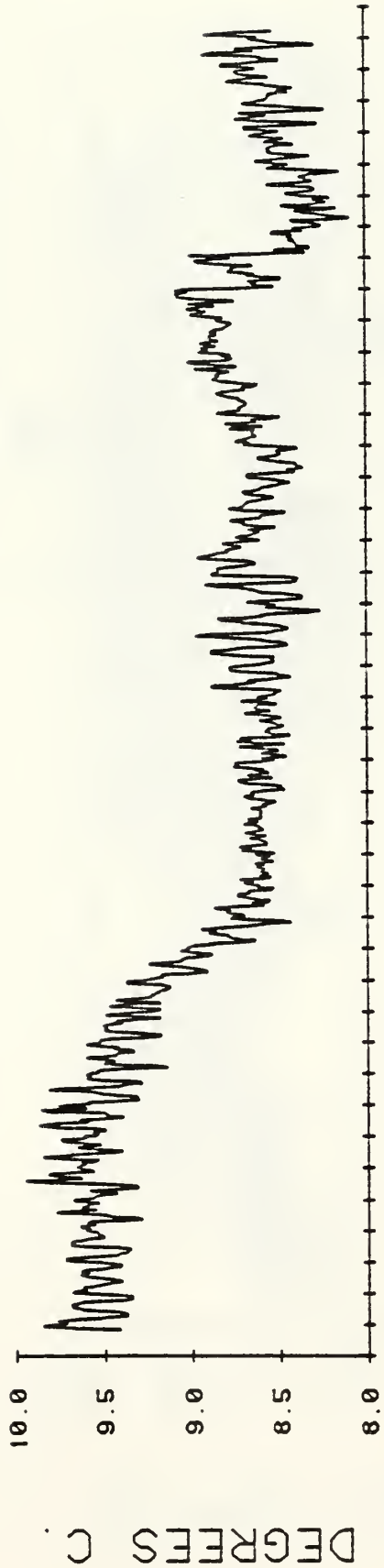
V COMPONENT . 186 M AT STN 7 .



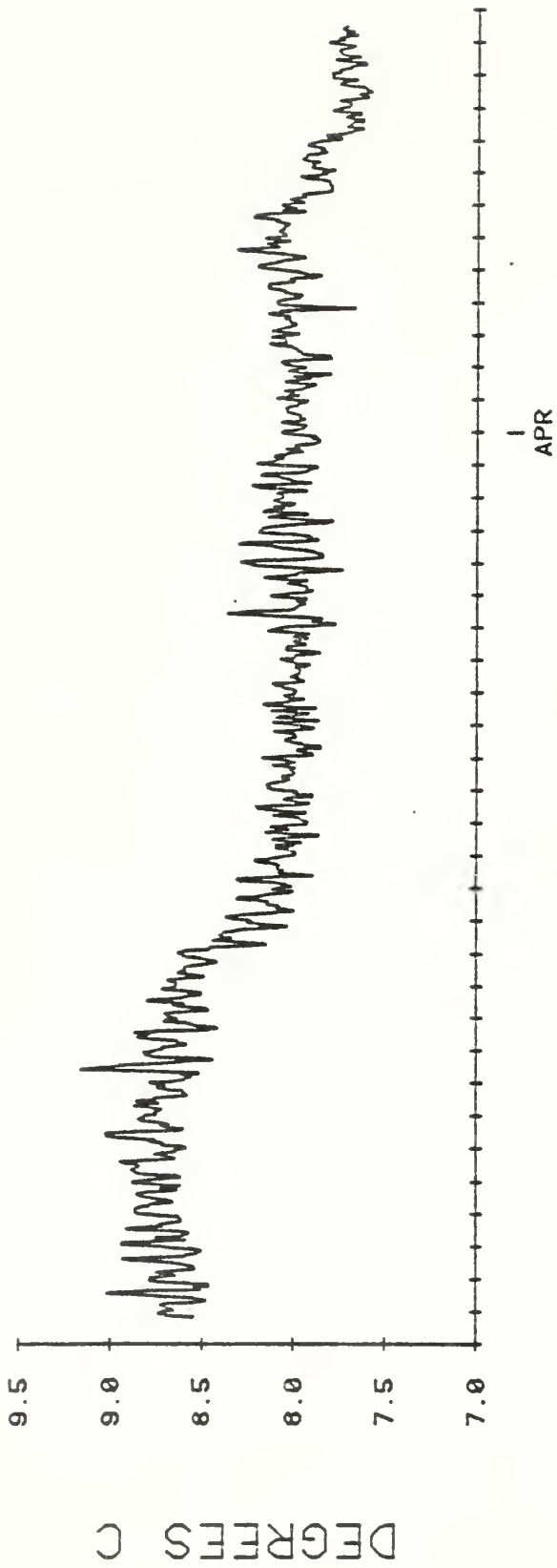
V COMPONENT. 311 M AT STN 7.



V COMPONENT. 510 M AT STN 7.

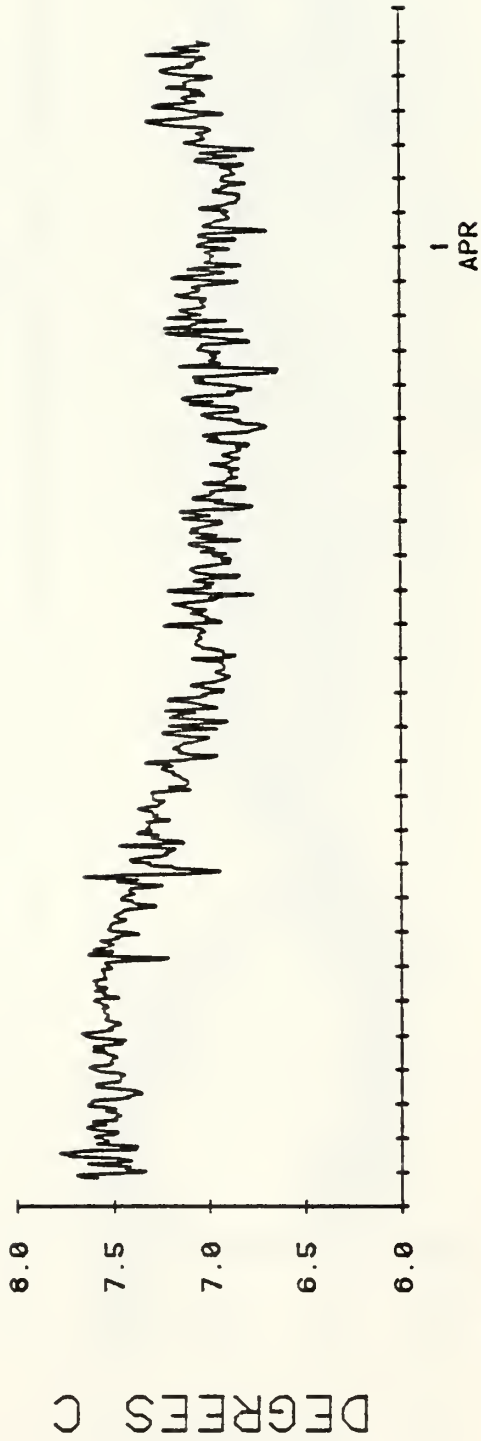


TEMPERATURE. 113 M AT STN 7.

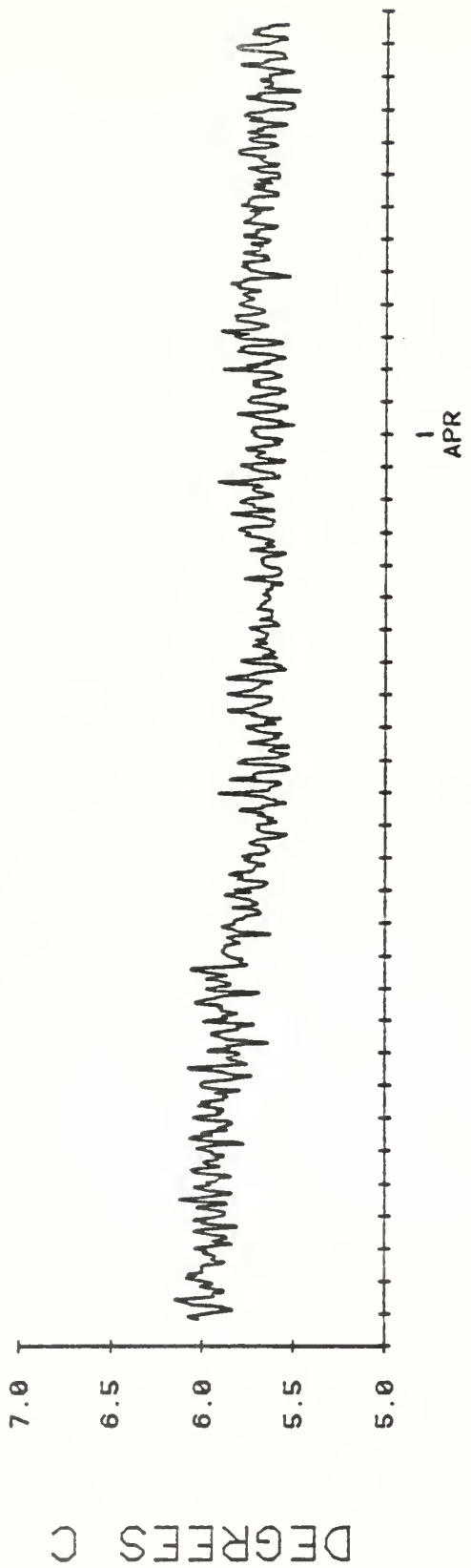


TEMPERATURE. 186 M AT STN 7.

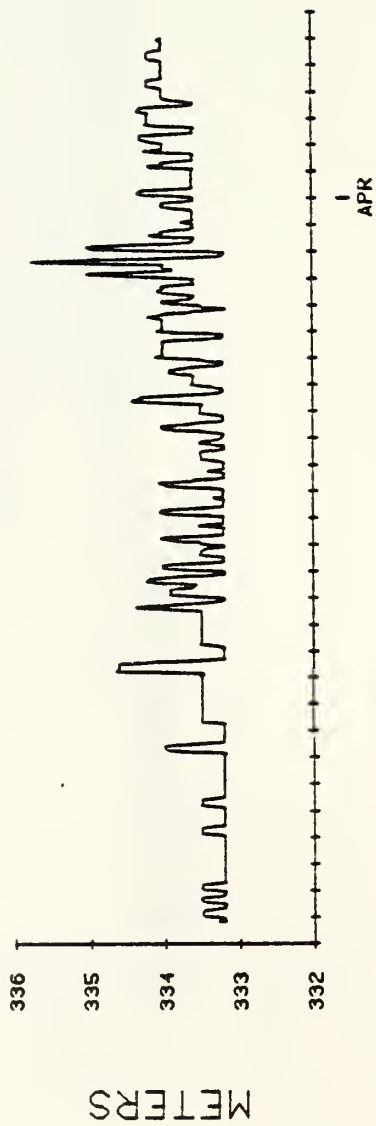




TEMPERATURE. 311 M AT STN 7.



TEMPERATURE. 510 M AT STN 7.



DEPTH (FROM PRESSURE) OF RCM 762 AT STN 7

STATION 2 - 35° 52.4'N, 121° 33.6'W  
 22 APR 80 - 2 JUN 80

Record #34, Depth 135 m

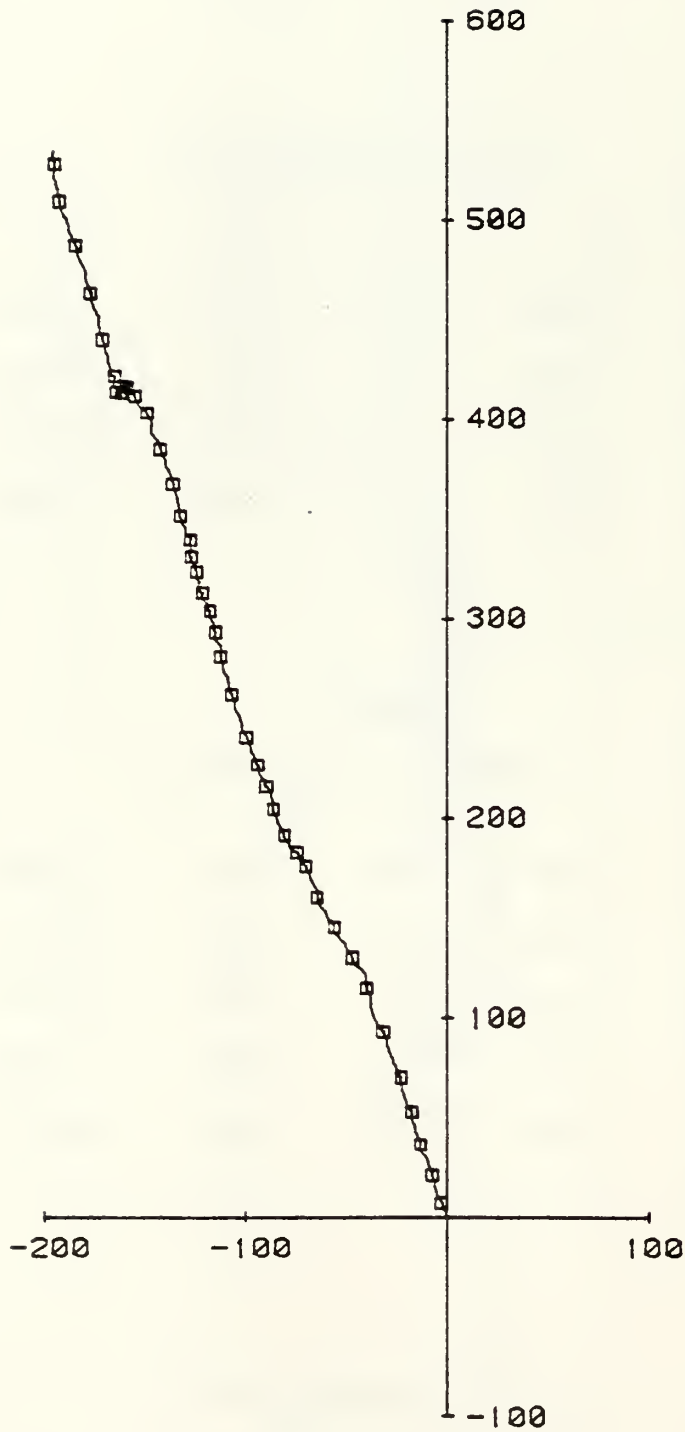
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S (cm/s)	18.23	8.09	0.12	2.44	0.80	42.70	5774
U (cm/s)	-5.64	6.26	0.22	3.50	-25.50	25.70	5774
V (cm/s)	15.43	9.42	-0.21	2.60	-10.70	41.60	5774
T (°C)	8.21	0.27	-0.45	2.67	7.39	9.00	5774

Record #35, Depth 205 m

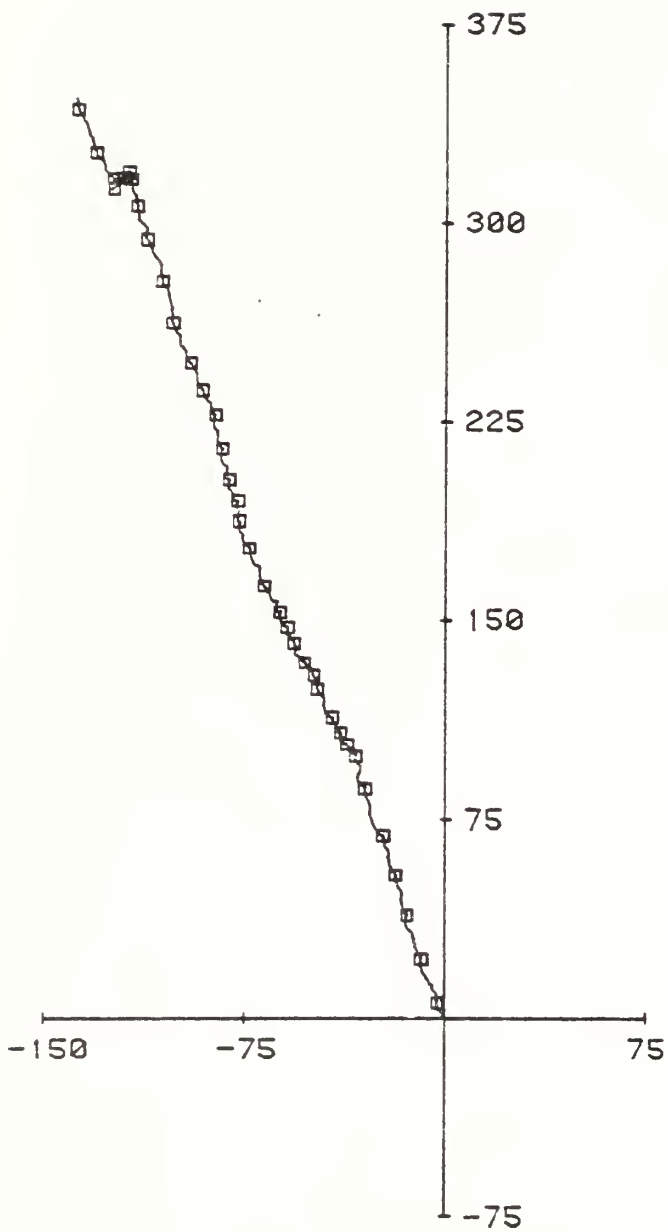
S (cm/s)	14.47	7.24	0.15	2.32	0.80	35.40	5149
U (cm/s)	-4.47	6.46	-0.06	2.72	-26.50	17.70	5149
V (cm/s)	11.20	8.63	-0.12	2.44	-16.00	32.10	5149
T (°C)	7.67	0.25	-0.41	2.72	6.82	8.38	5149
Z (meters)	242.75	0.48	1.42	6.10	241.90	244.80	5149

Record #36, Depth 328 m

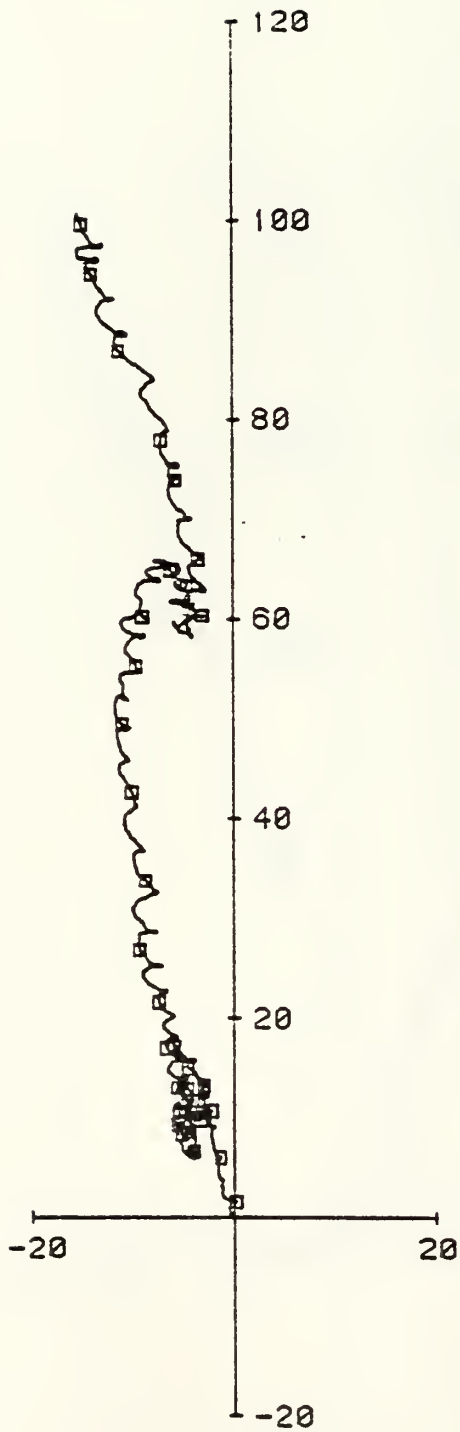
S (cm/s)	8.54	6.40	0.62	2.59	0.80	28.90	5949
U (cm/s)	-0.46	7.21	0.13	3.88	-26.40	27.10	5559
V (cm/s)	3.02	6.98	0.25	3.49	-22.20	27.10	5559
T (°C)	6.86	0.27	-0.17	2.71	5.99	7.71	5949



135 M AT STN 2. 22 APR 80 - 1 JUN 80. TAPE 2519/1

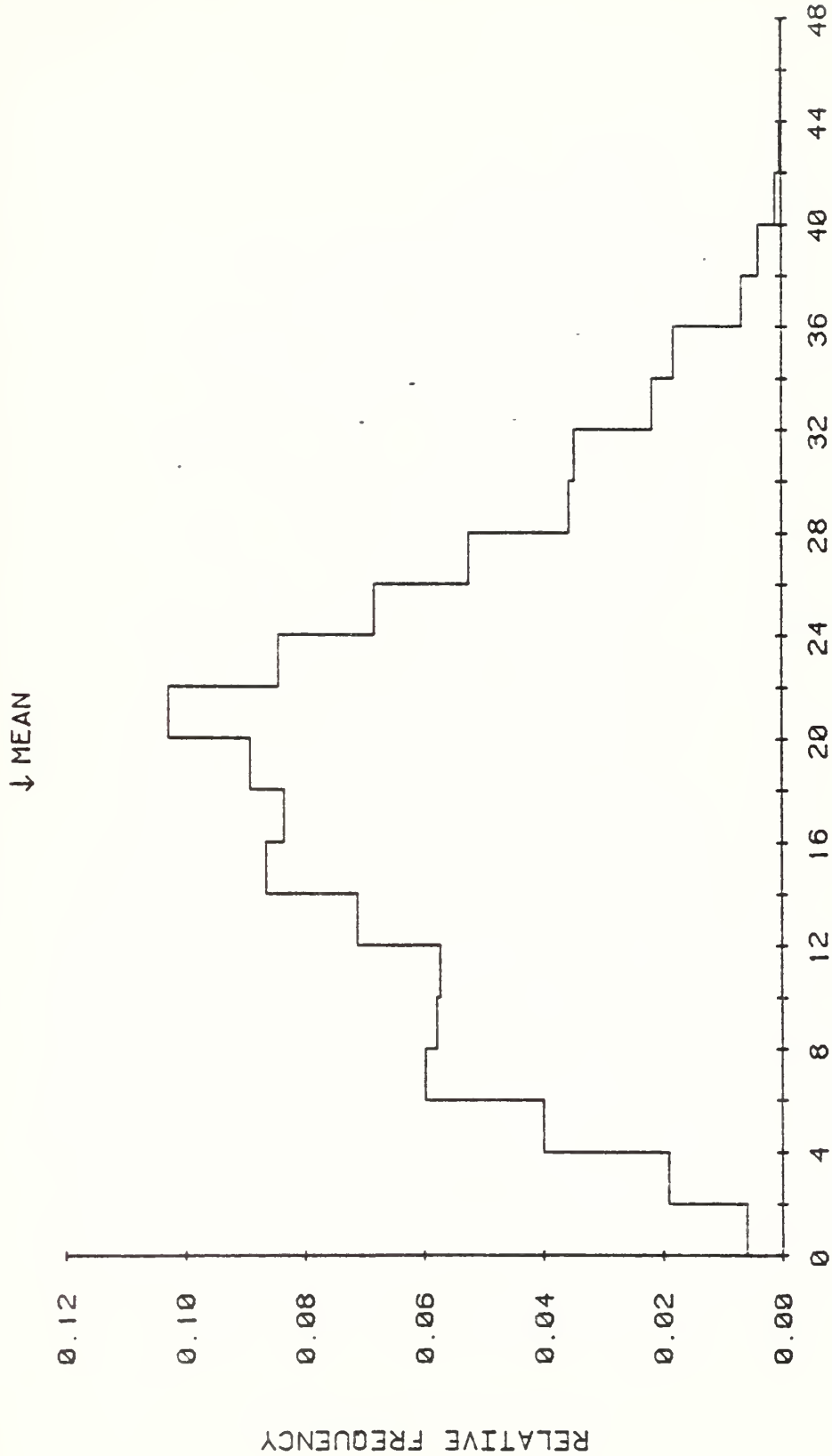


205 M AT STN 2. 22 APR 80 - 28 MAY 80. TAPE 1319/6.



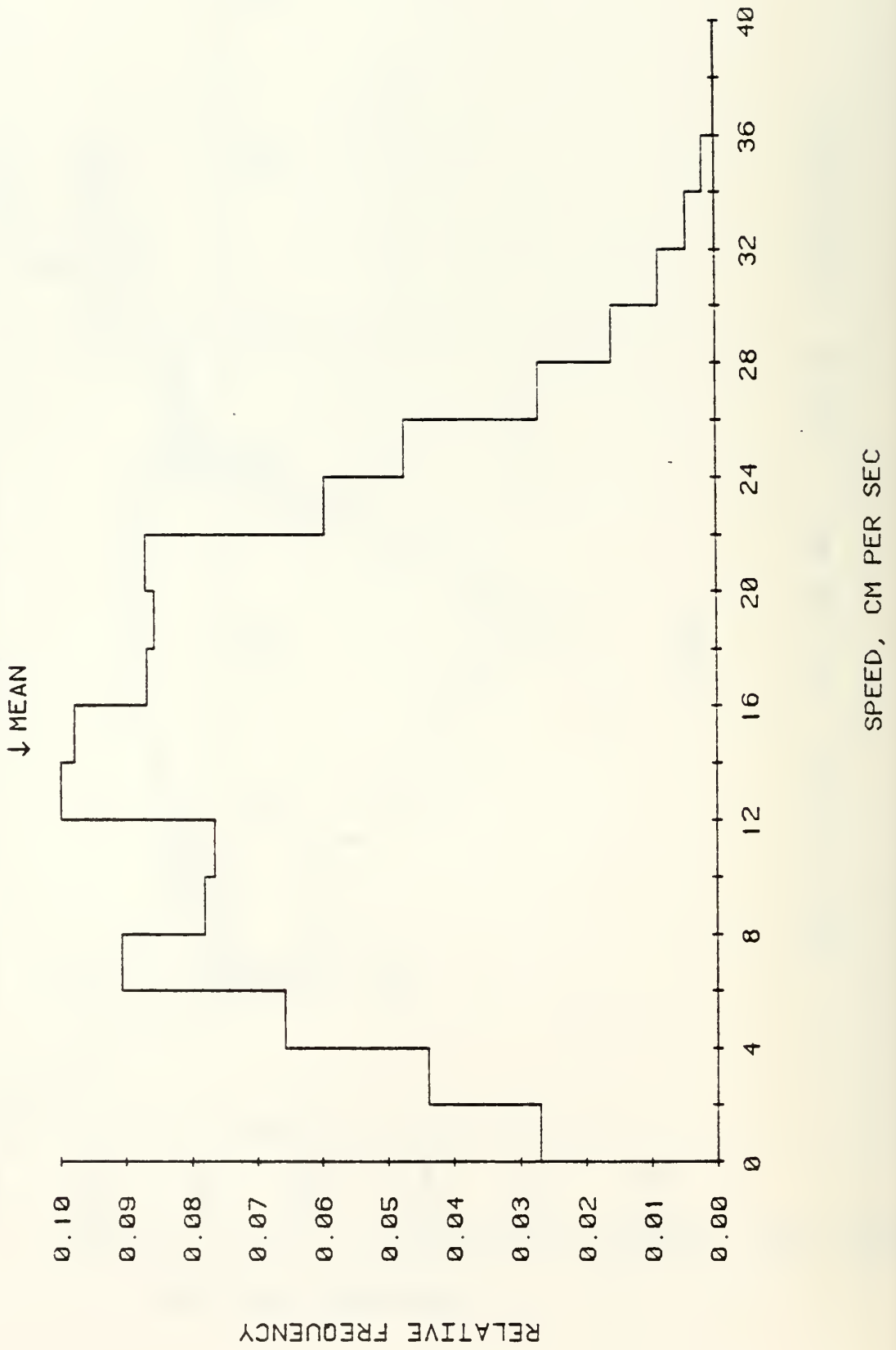
328 M AT STN 2. 22 APR 80 - 31 MAY 80. TAPE 2759/

135 M AT STN 2. 22 APR 80 - 1 JUN 80. TAPE 2519/1.

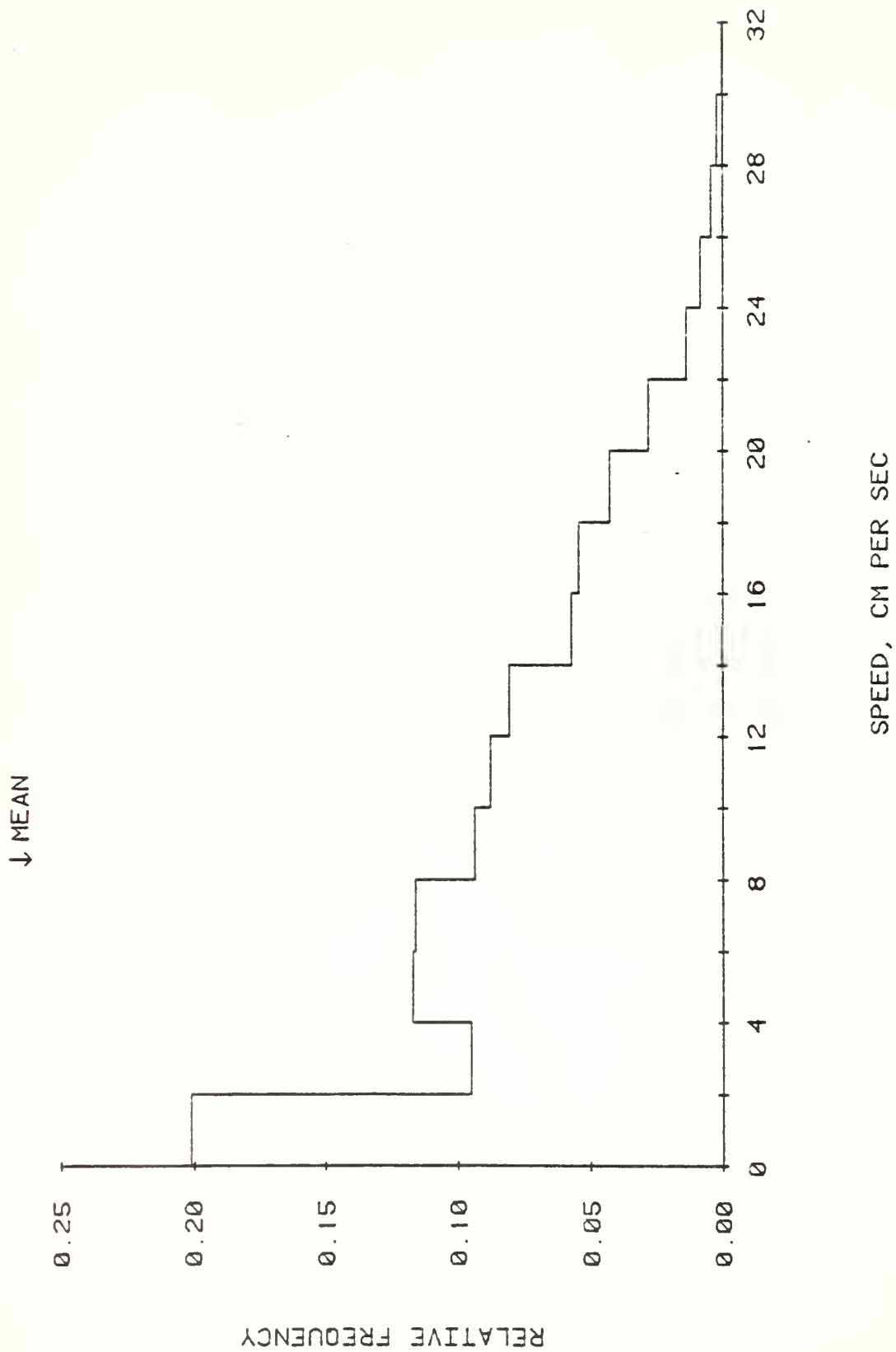




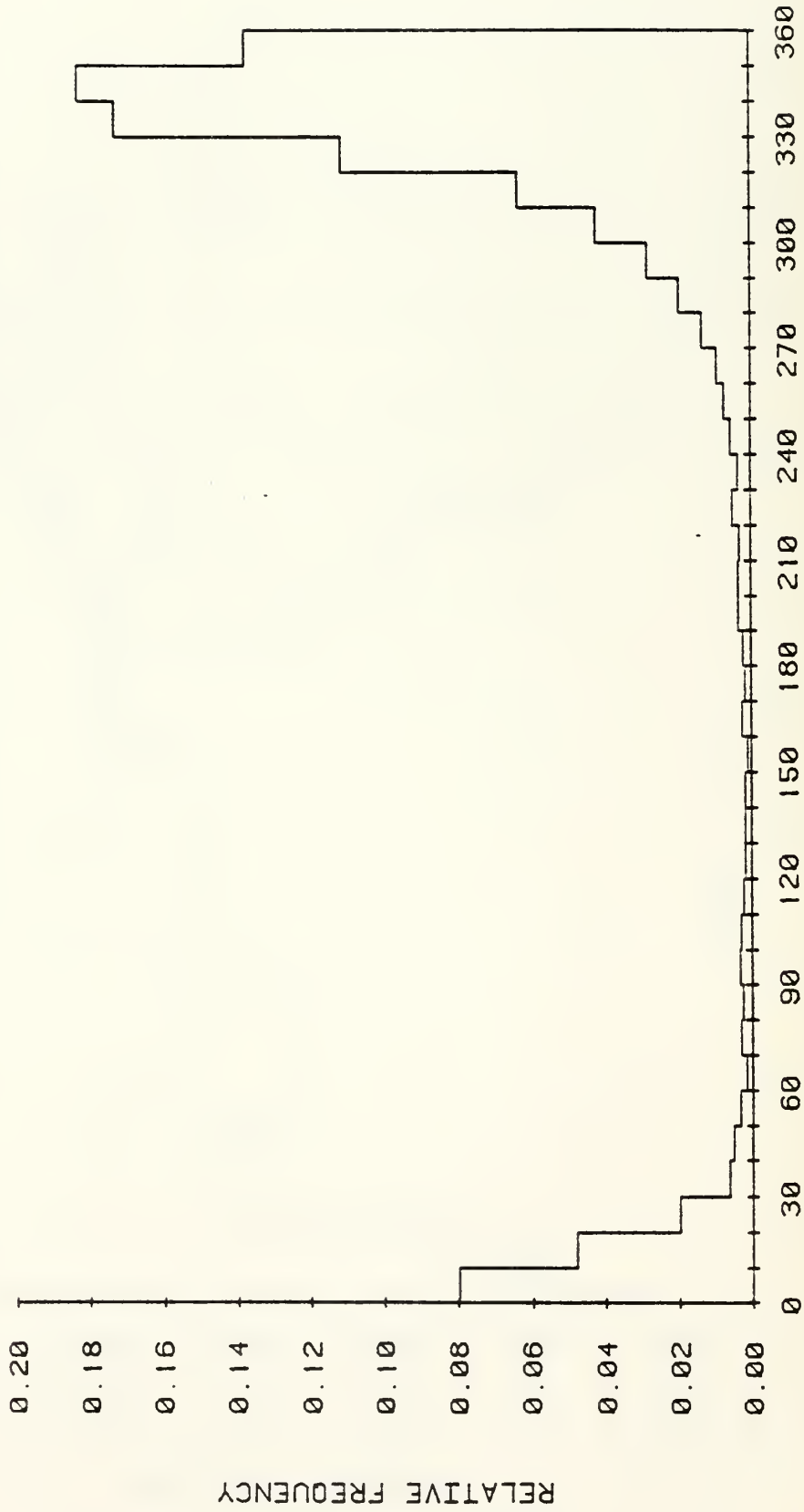
205 M AT STN 2. 22 APR 80 - 28 MAY 80. TAPE 1319/6.



328 M AT STN 2. 22 APR 80 - 2 JUN 80. TAPE 2759/5.

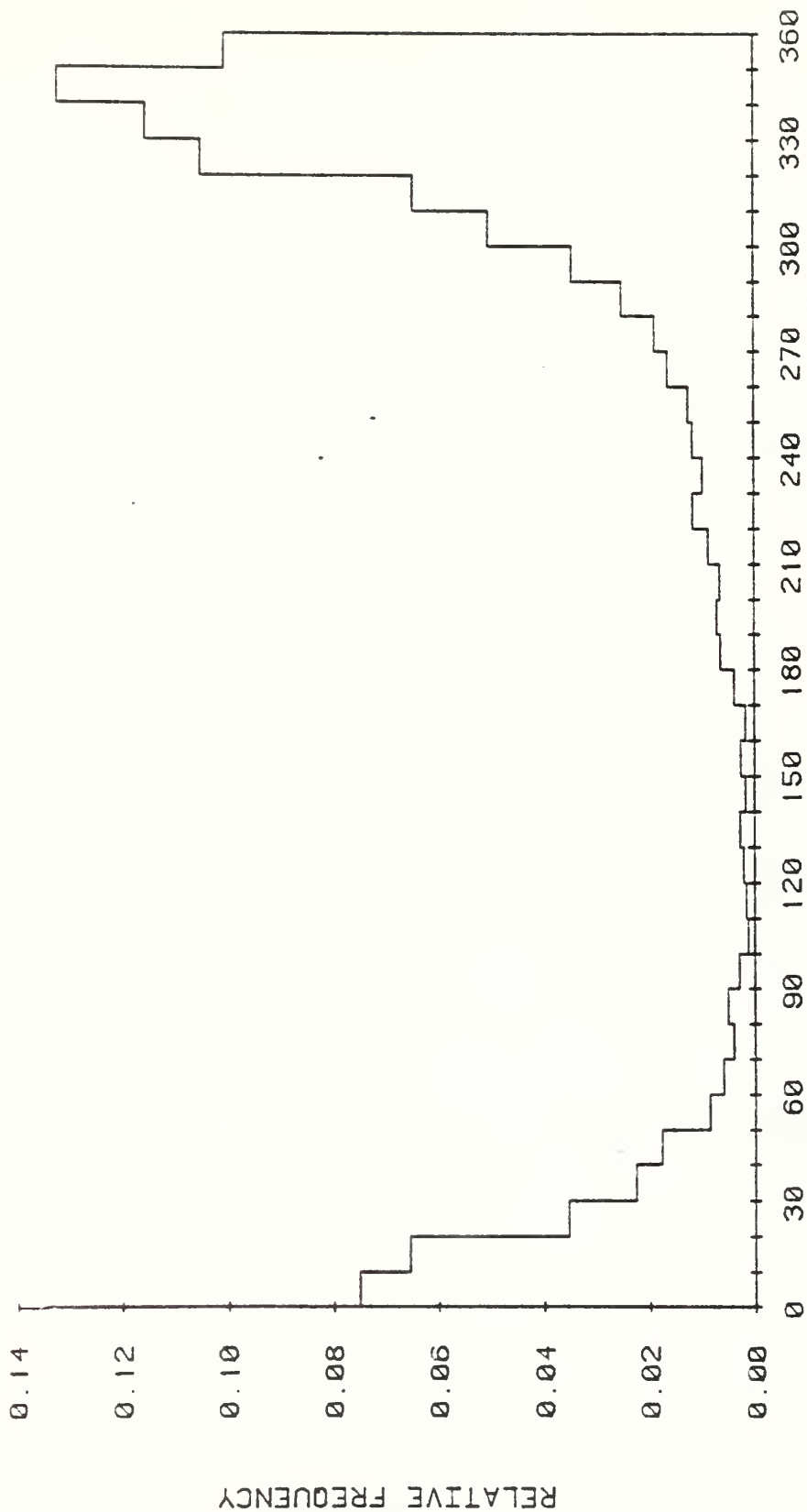


135 M AT STN 2. 22 APR 80 - 1 JUN 80. TAPE 2519/1.



DIRECTION, DEGREES TRUE

205 M AT STN 2. 22 APR 80 - 28 MAY 80. TAPE 1319/6.



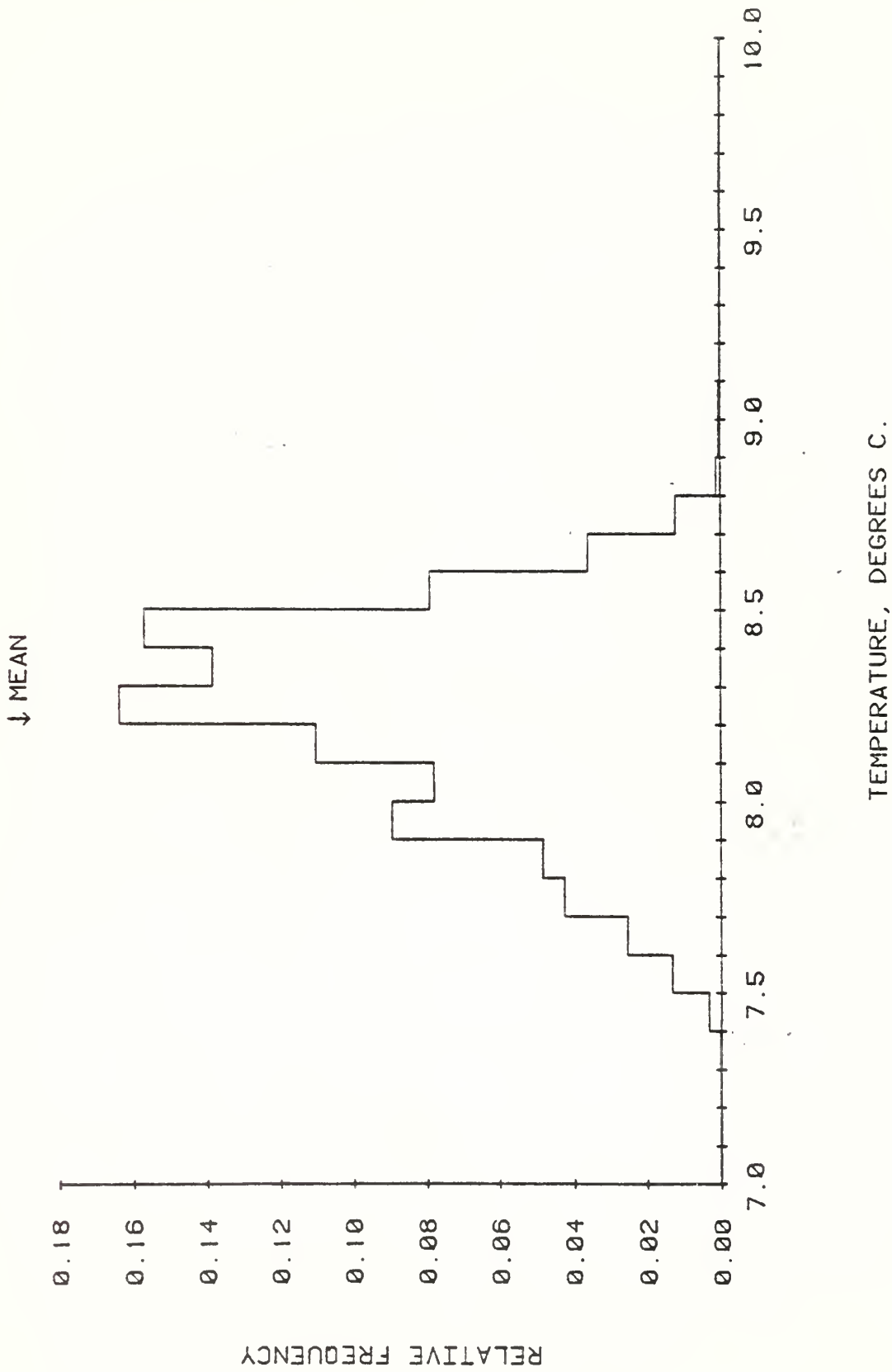
DIRECTION, DEGREES TRUE

328 M AT STN 2. 22 APR 80 - 31 MAY 80. TAPE 2759/5.



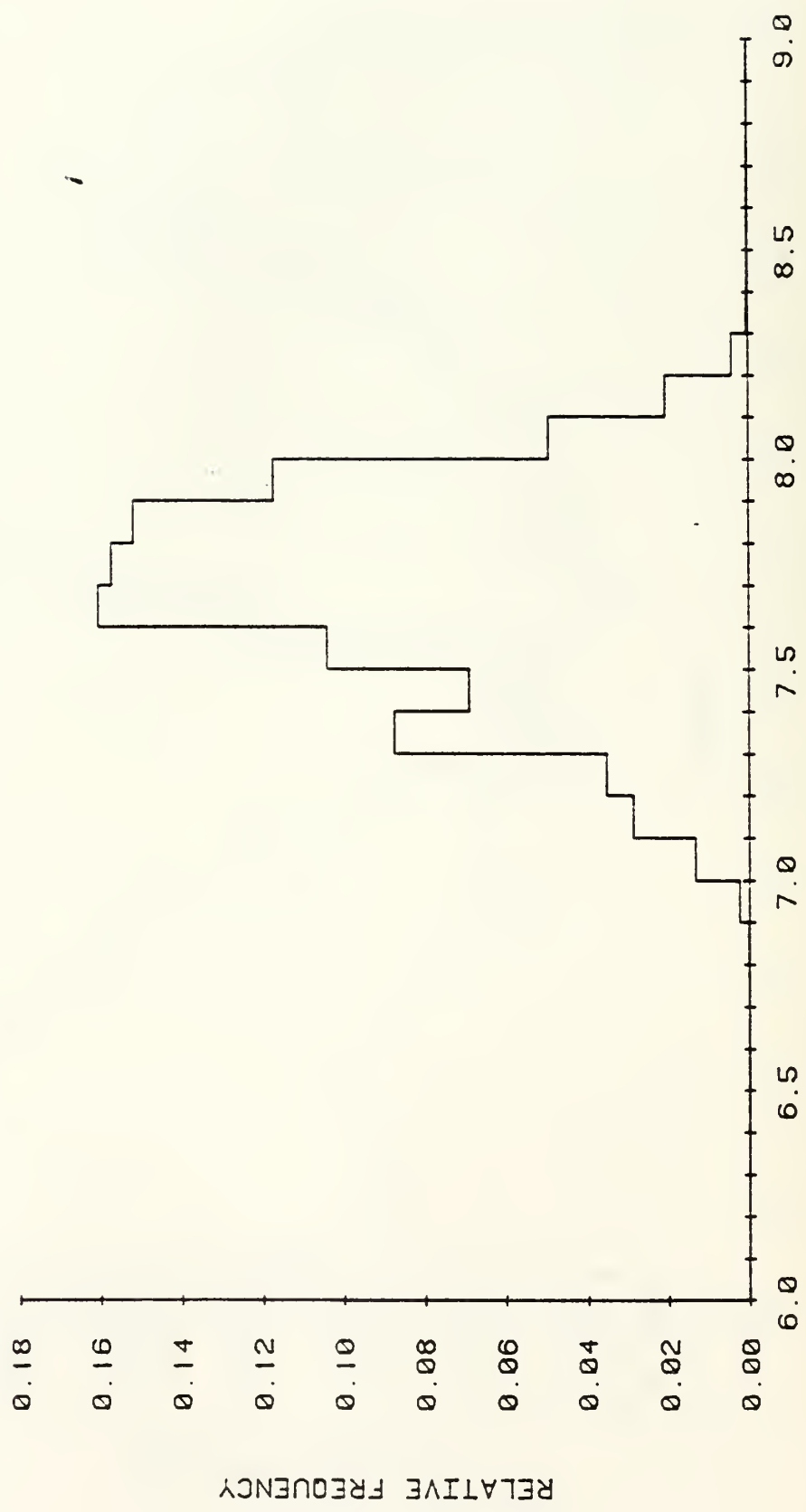
DIRECTION, DEGREES TRUE

135 M AT STN 2. 22 APR 80 - 1 JUN 80. TAPE 2519/1.



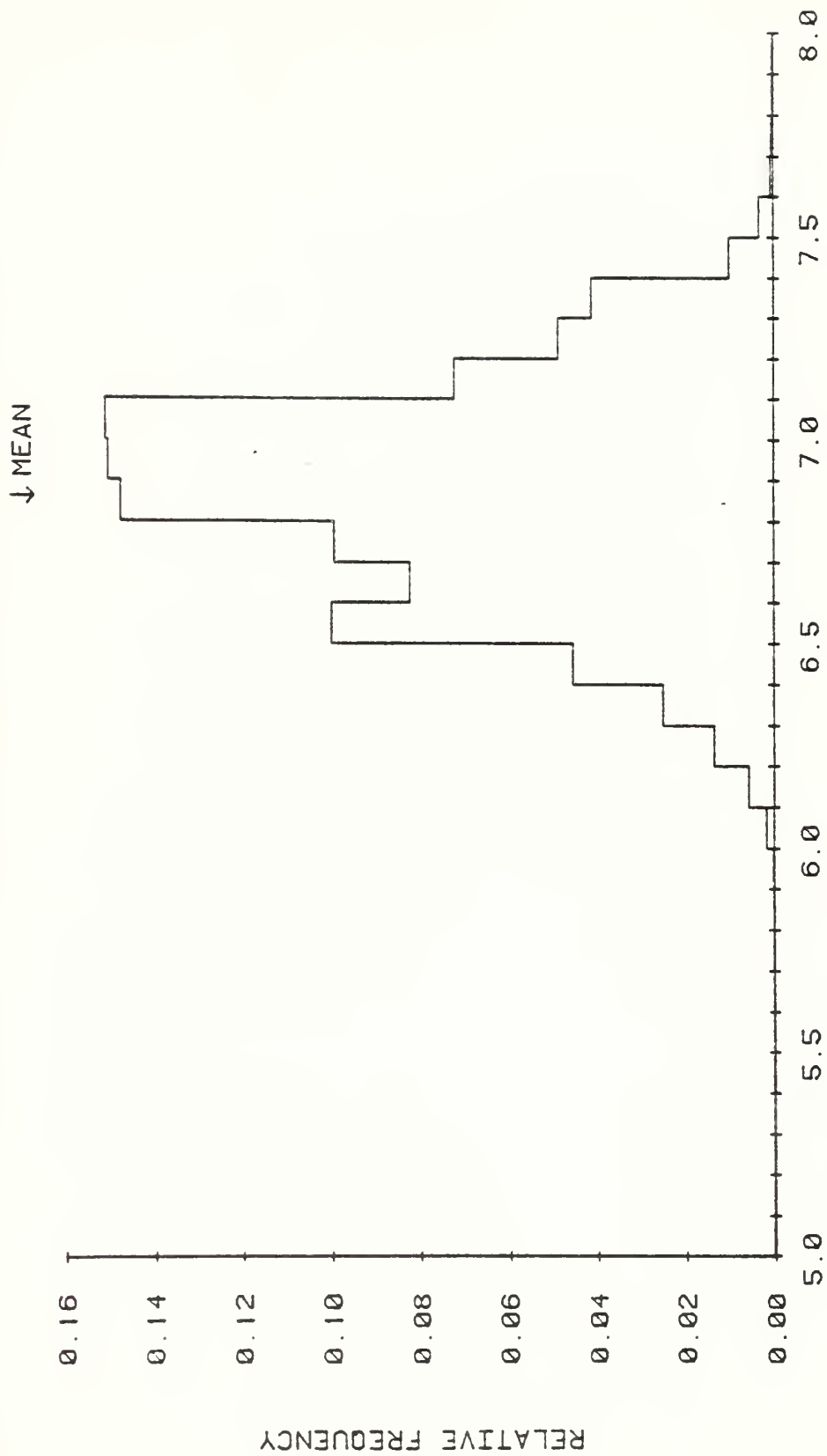
205 M AT STN 2. 22 APR 80 - 28 MAY 80. TAPE 1319/6.

↓ MEAN



TEMPERATURE, DEGREES C.

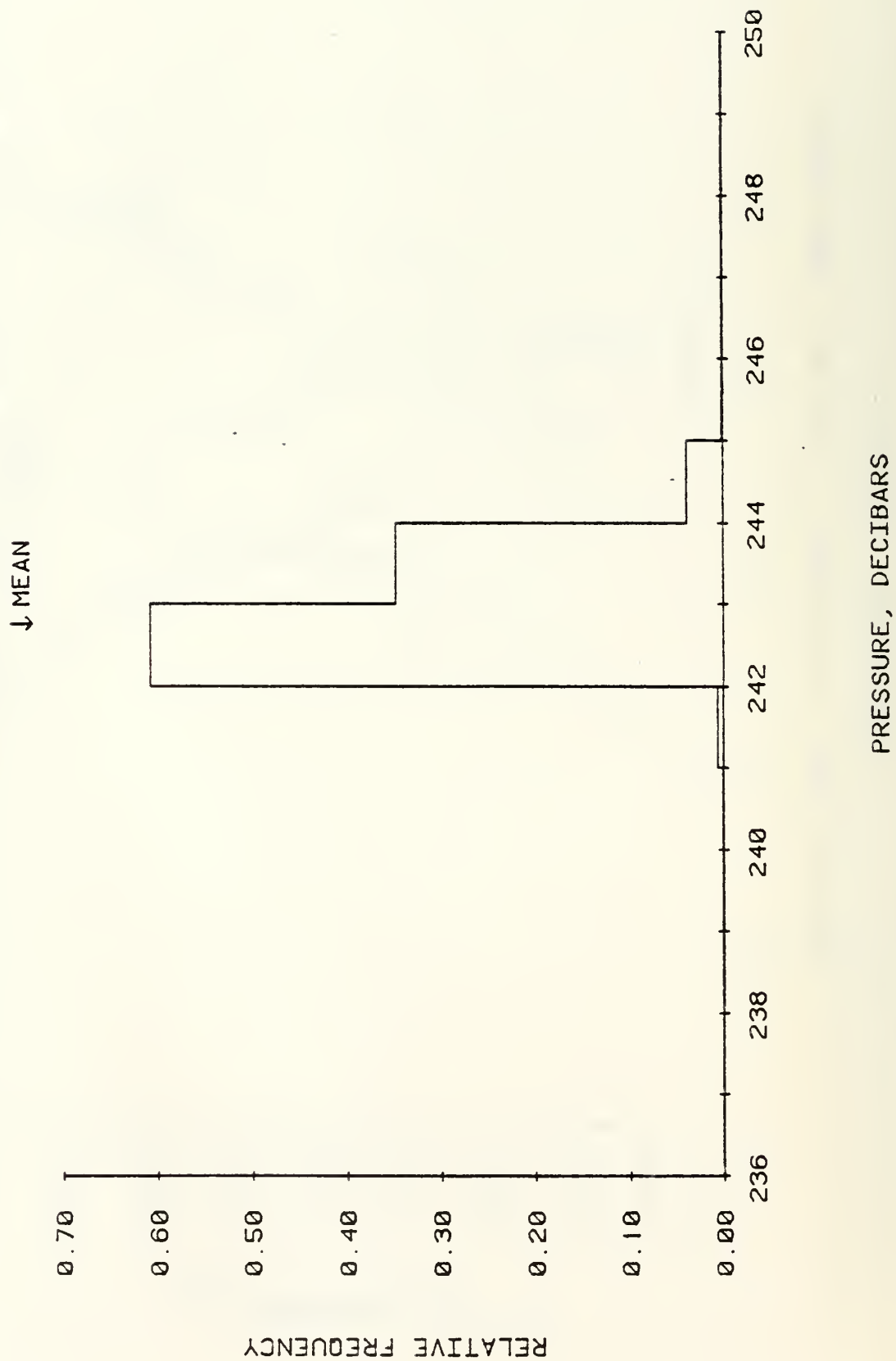
328 M AT STN 2. 22 APR 80 - 2 JUN 80. TAPE 2759/5.



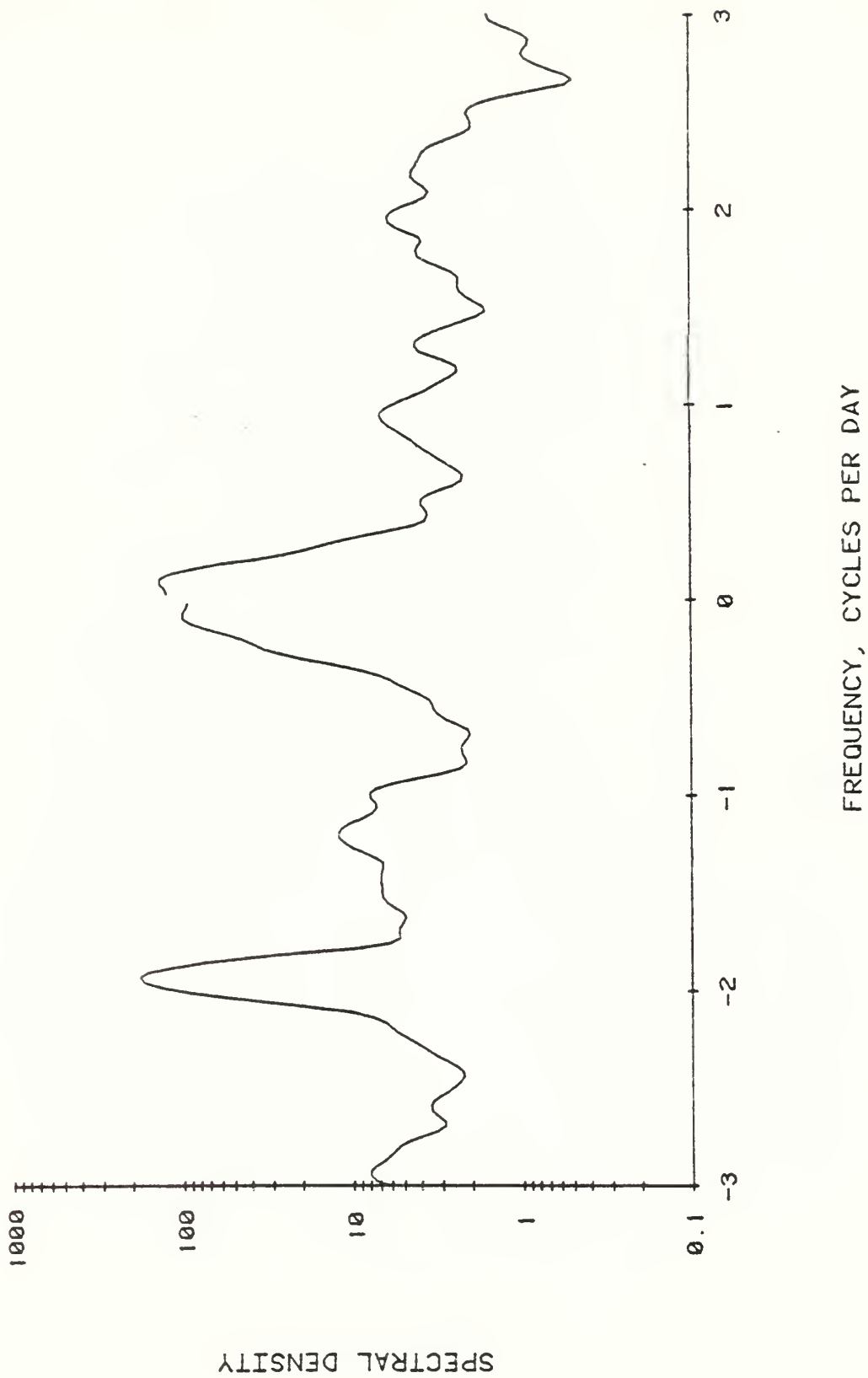
TEMPERATURE, DEGREES C.



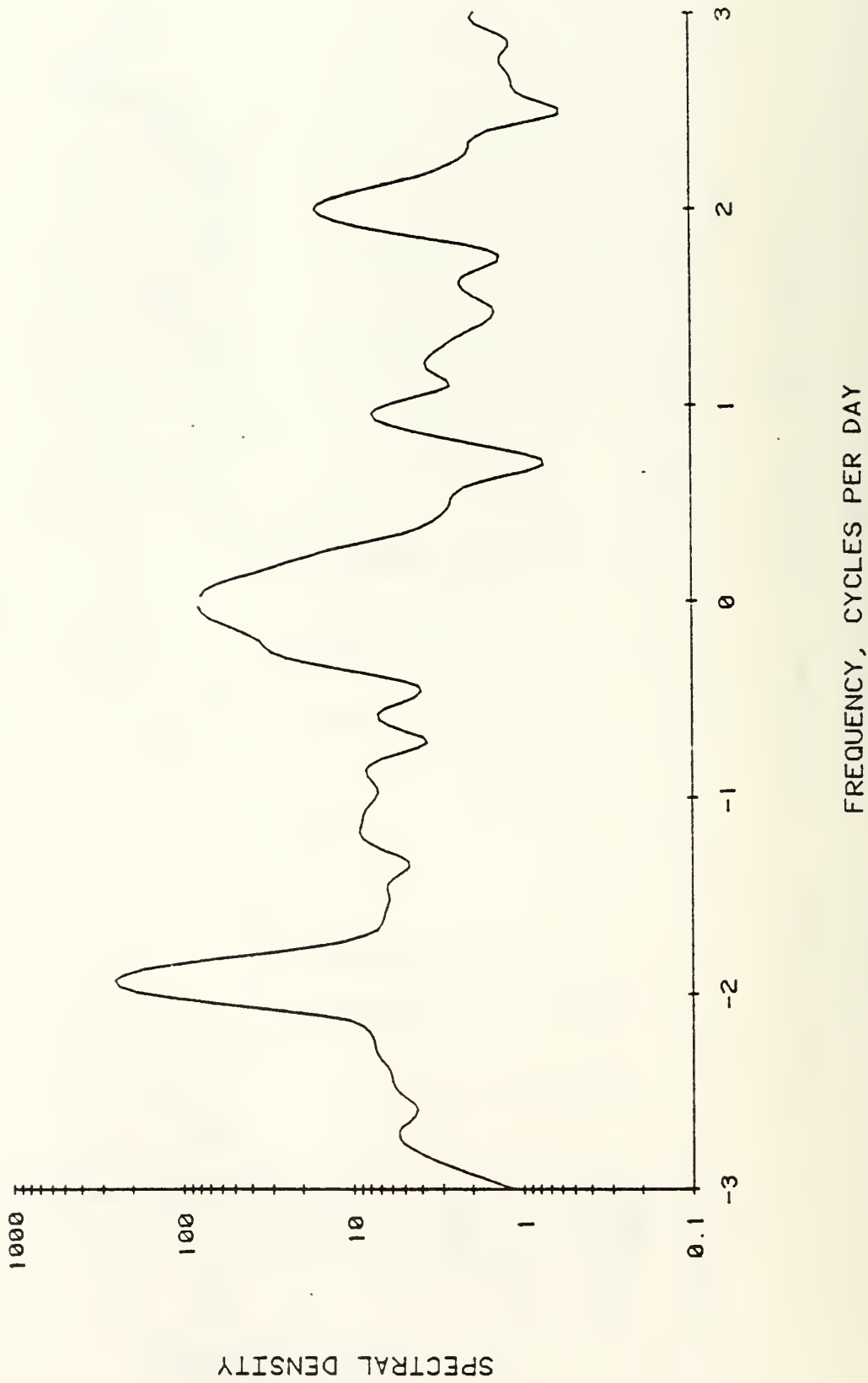
205 M AT STN 2. 22 APR 80 - 28 MAY 80. TAPE 1319/6.



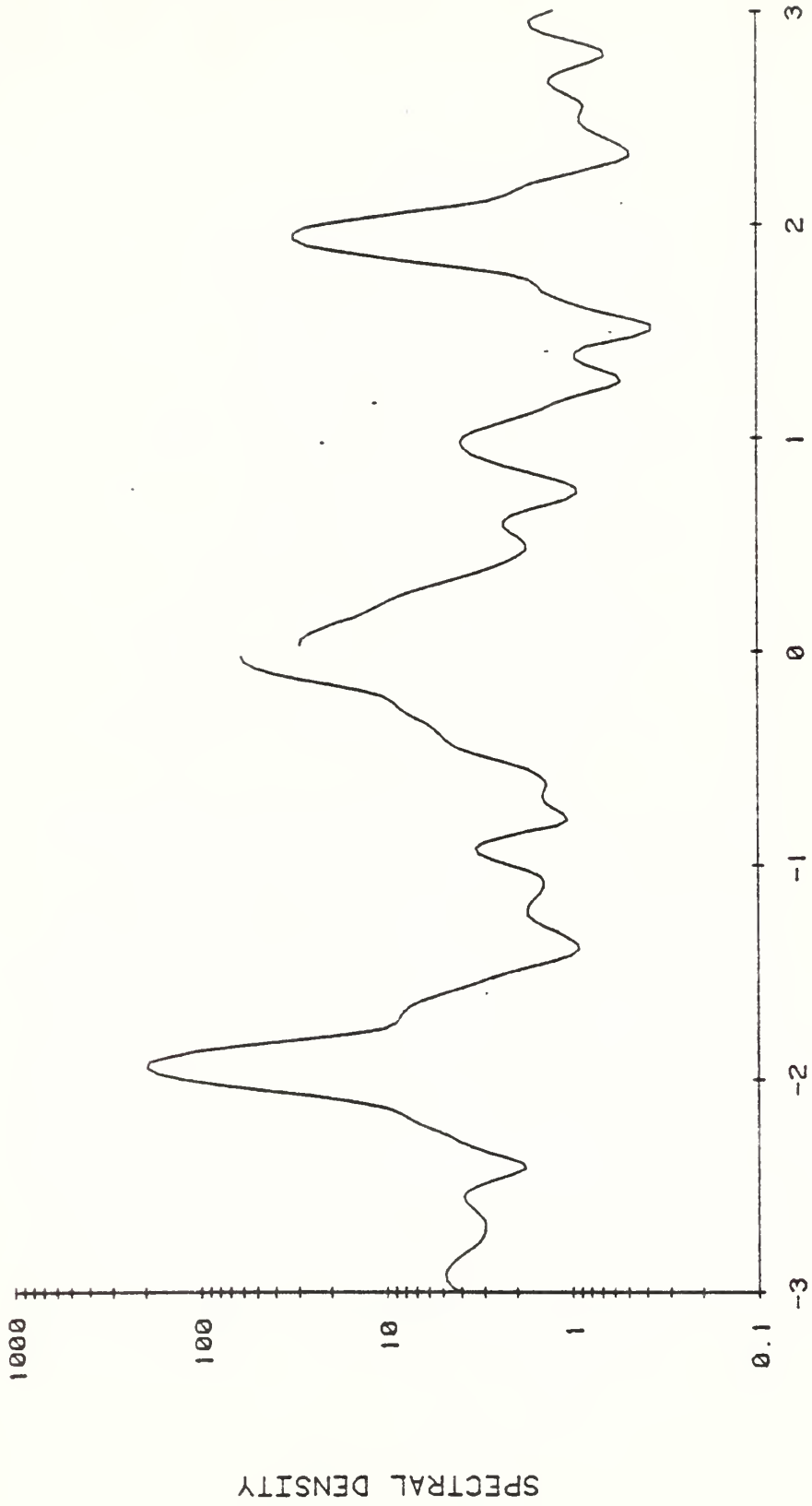
135 M AT STN 2. 22 APR 80 - 1 JUN 80. TAPE 2519/1.



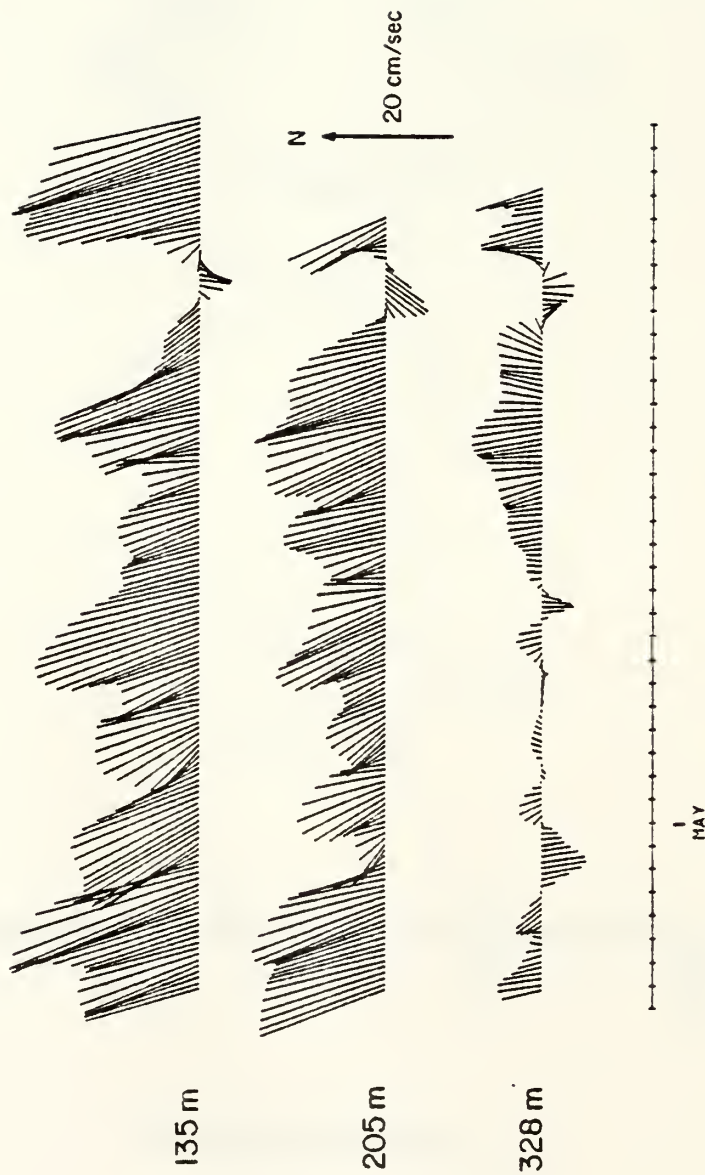
205 M AT STN 2. 22 APR 80 - 28 MAY 80. TAPE 1319/6.

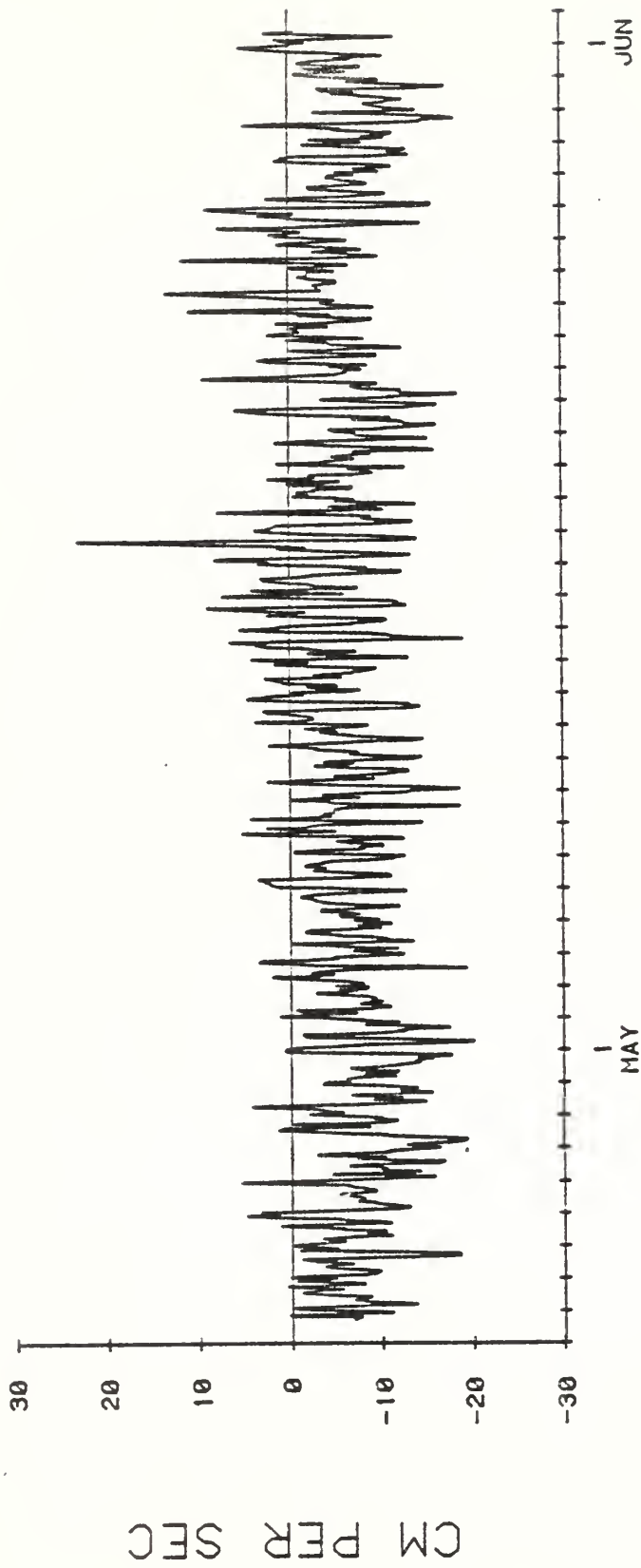


328 M AT STN 2. 22 APR 80 - 31 MAY 80. TAPE 2759/5.

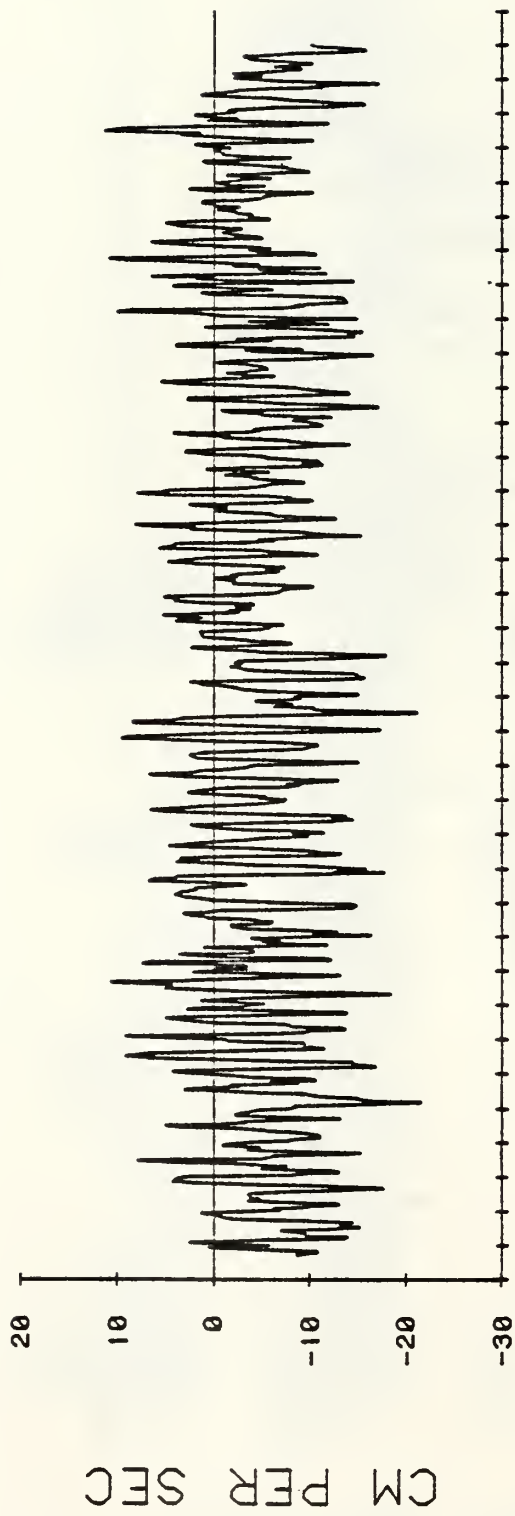


LLP FILTERED CURRENT AT STATION 2. APRIL, MAY 1980

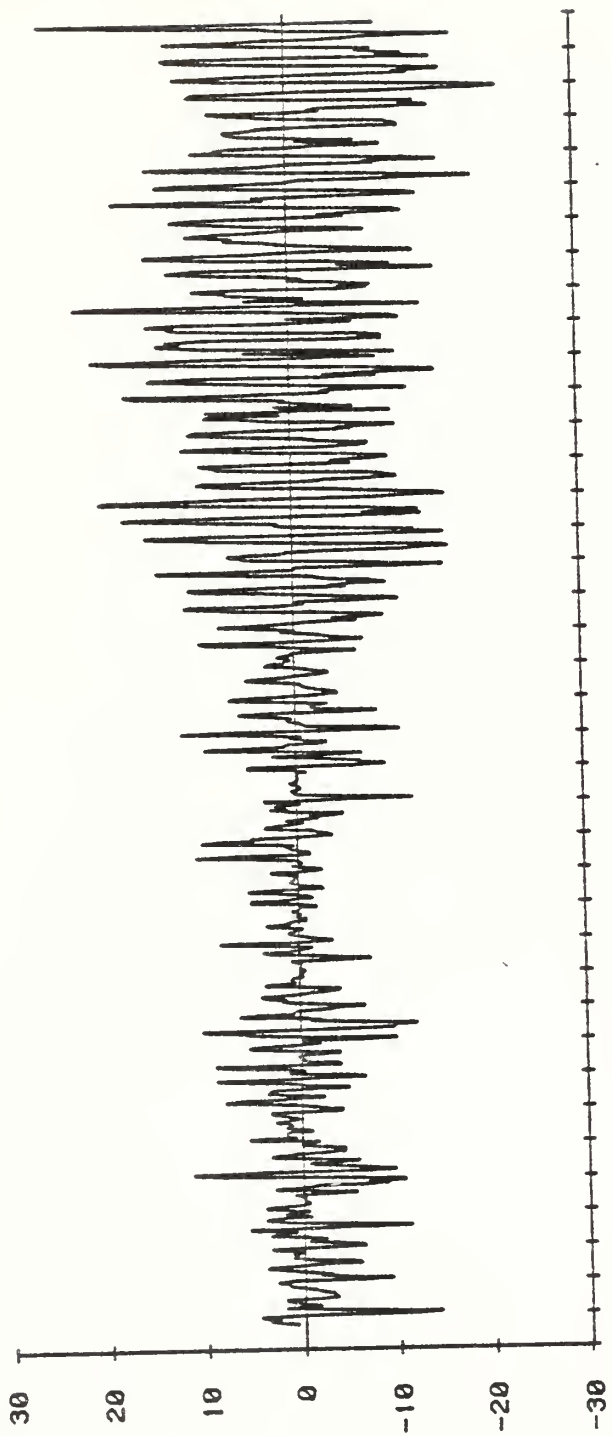




U COMPONENT . 135 M AT STN 2.

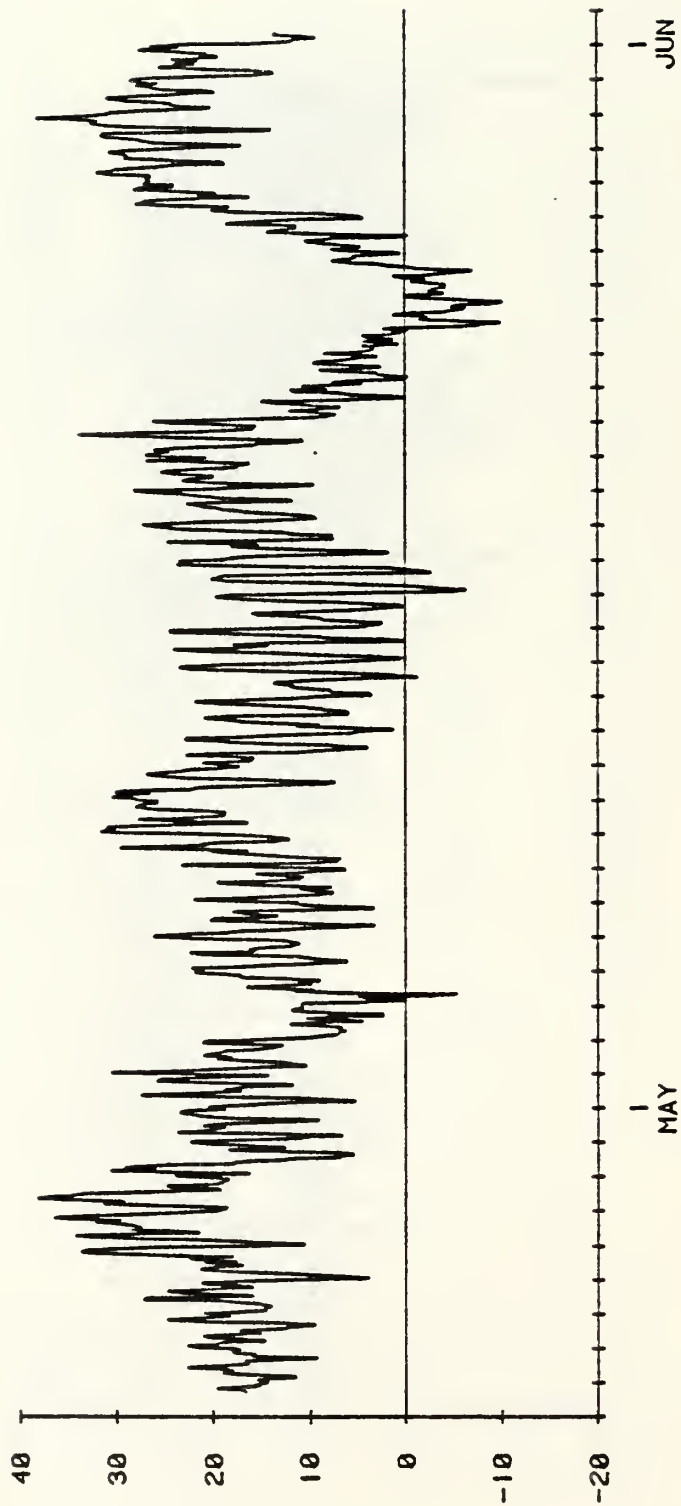


U COMPONENT. 205 M AT STN 2.

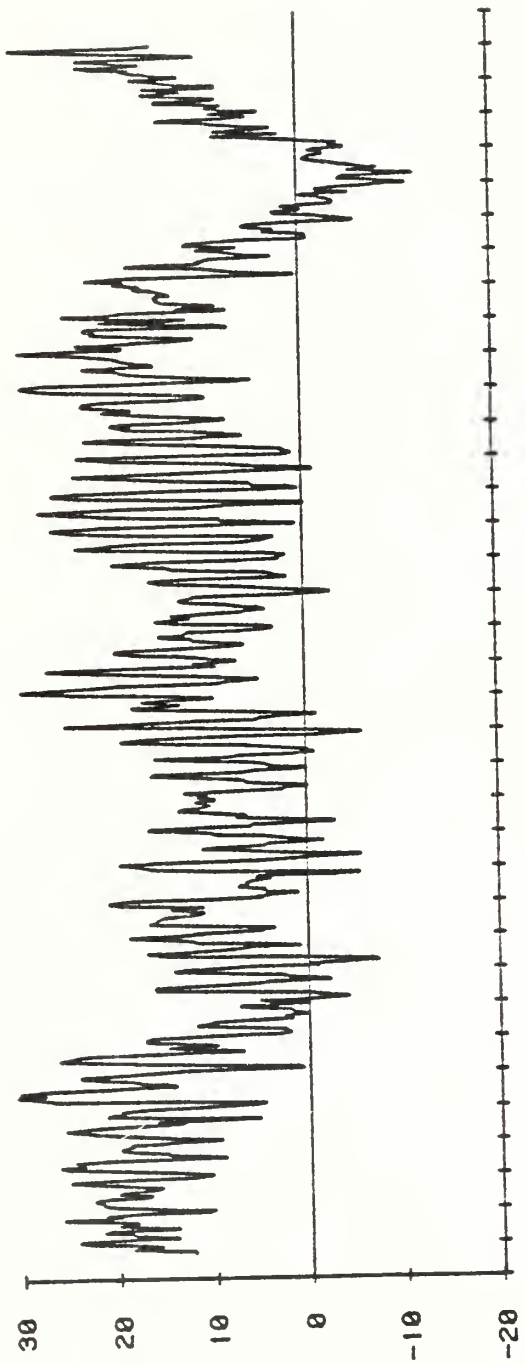


U COMPONENT. 328 M AT STN 2.

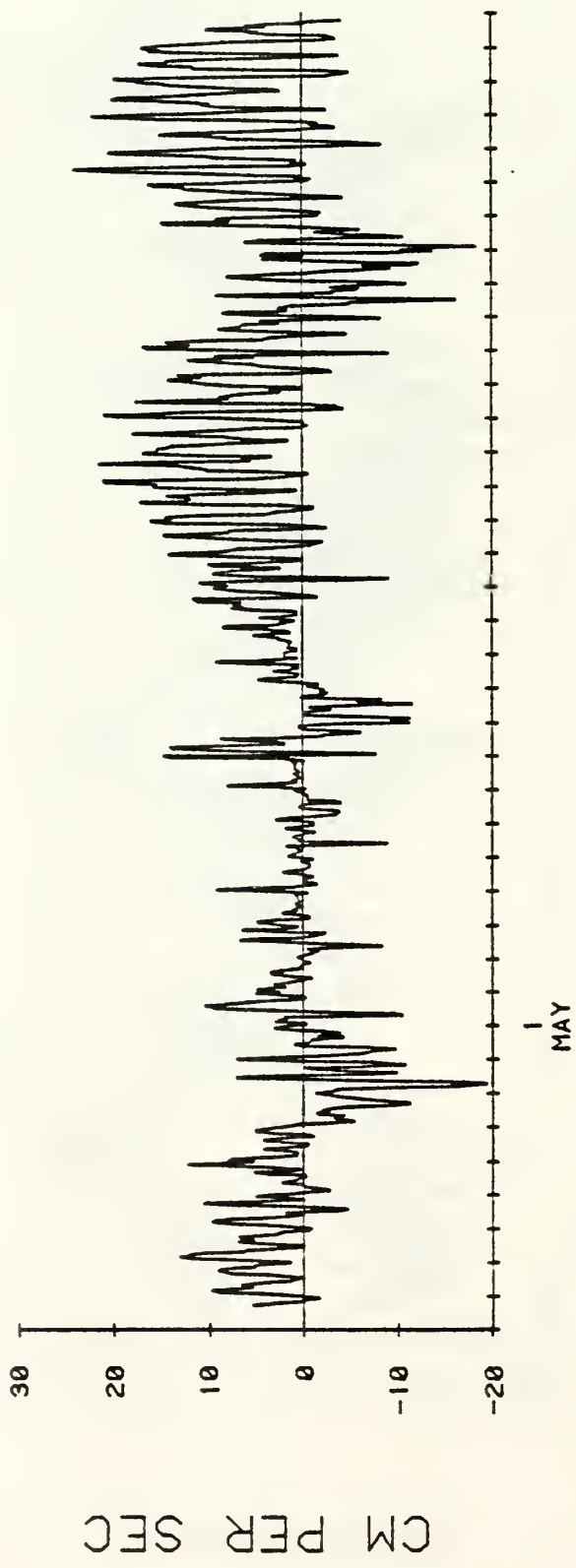




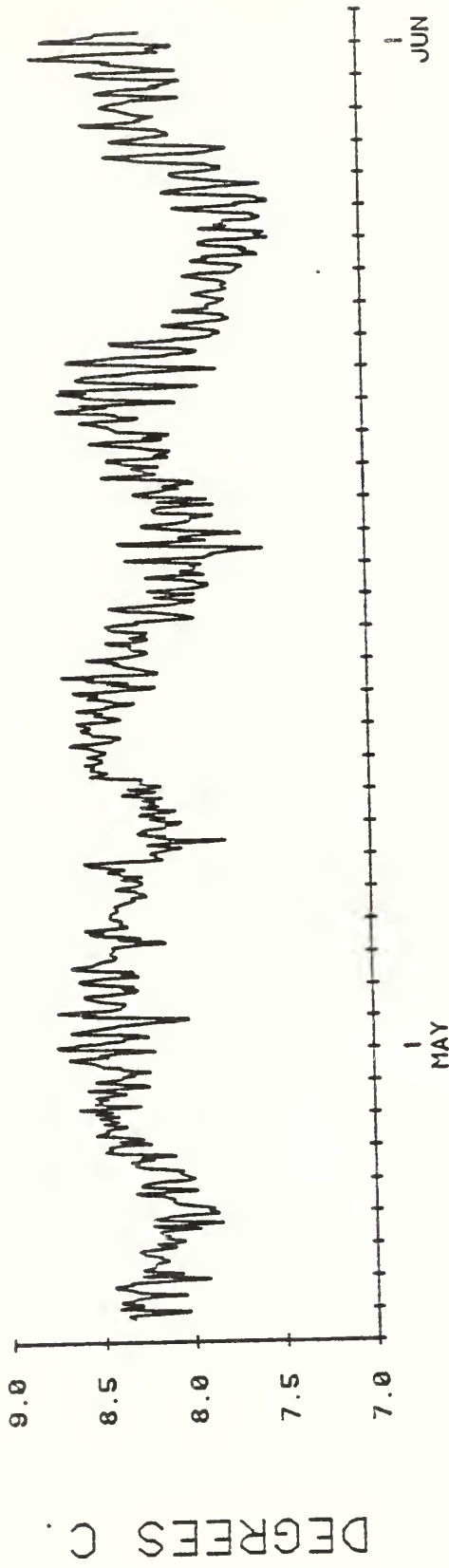
V COMPONENT . . . 135 M AT STN 2.



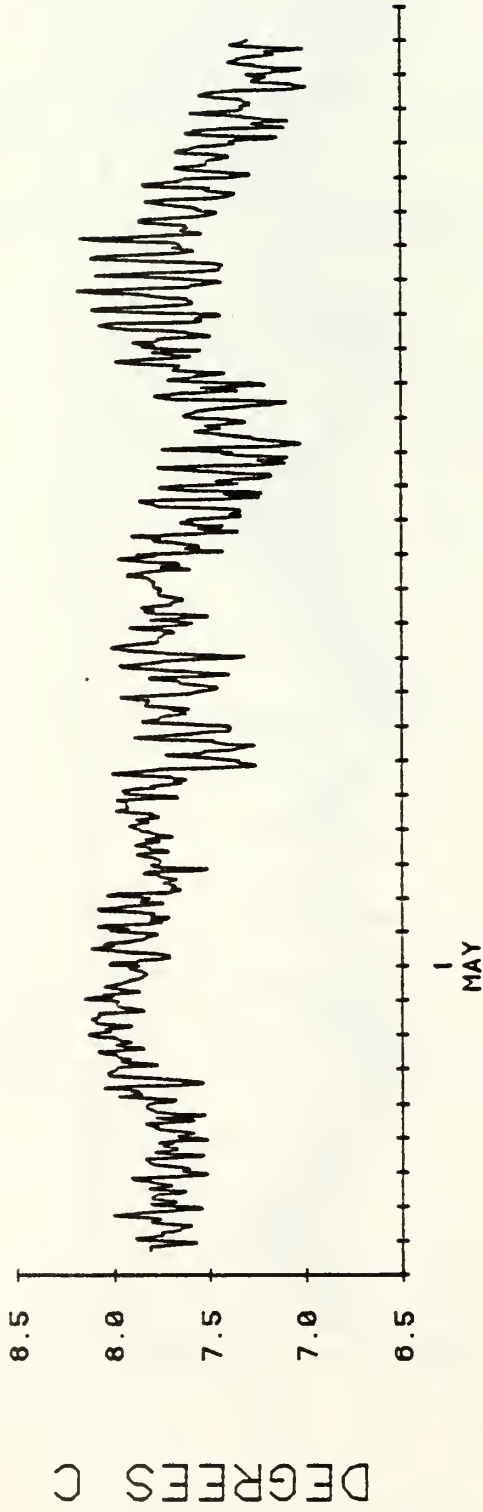
V COMPONENT . 205 M AT STN 2.



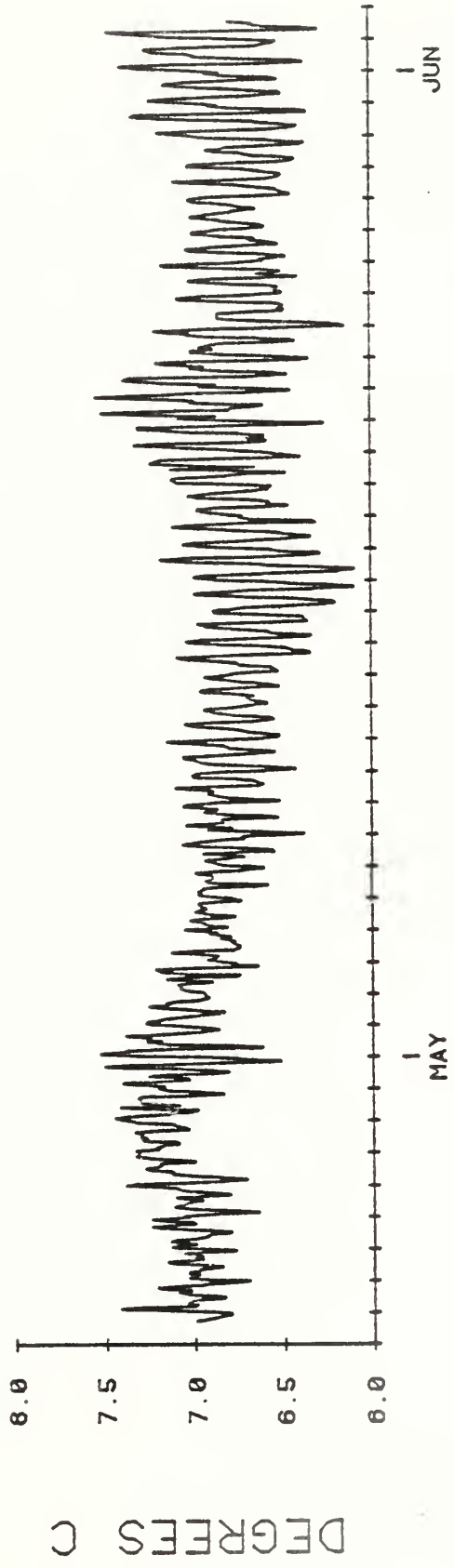
V COMPONENT. 328 M AT STN 2.



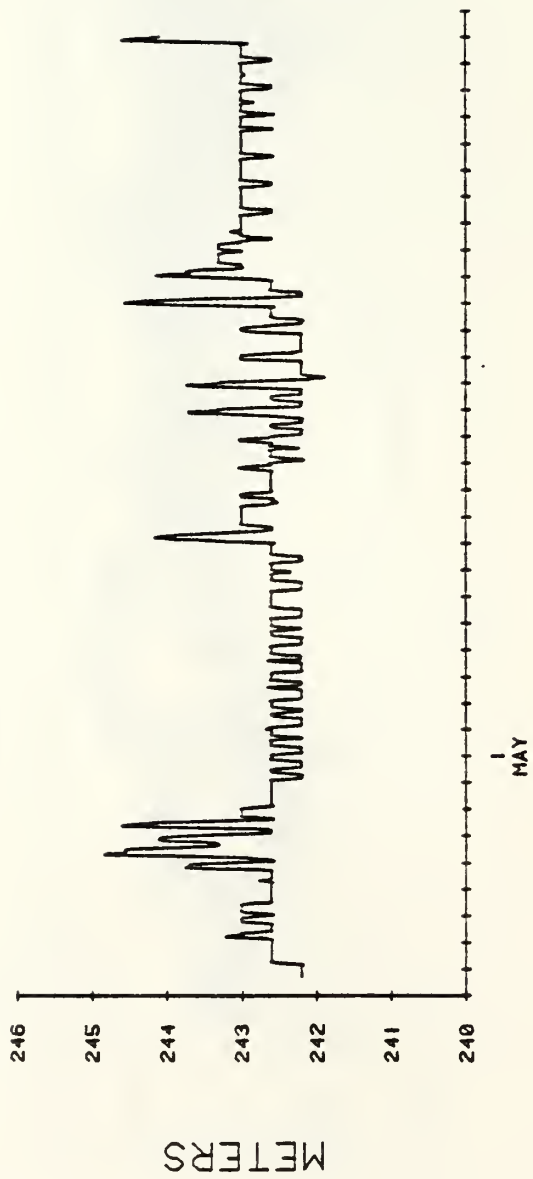
TEMPERATURE. 135 M AT STN 2.



TEMPERATURE. 205 M AT STN 2.



TEMPERATURE. 328 M AT STN 2.



DEPTH (FROM PRESSURE) OF RCM 1319 AT STN 2.

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