

I.O.S.

MEASUREMENTS OF CURRENT AND TEMPERATURE PROFILES
DURING INDEX 1979,
RRS DISCOVERY

D.R. QUADFASEL

DATA REPORT 20

1980



INSTITUTE OF OCEANOGRAPHIC SCIENCES

**Wormley, Godalming,
Surrey, GU8 5UB.
(0428 - 79 - 4141)**

(Director: Dr. A.S. Laughton)

**Bidston Observatory,
Birkenhead,
Merseyside, L43 7RA.
(051 - 653 - 8633)**

(Assistant Director: Dr. D.E. Cartwright)

**Crossway,
Taunton,
Somerset, TA1 2DW.
(0823 - 86211)**

(Assistant Director: M.J. Tucker)

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1. Introduction

Between March and September 1979 the Indian Ocean Experiment (INDEX) as part of FGGE was carried out in the western equatorial Indian Ocean. A general description of this experiment is given by Swallow (1980). One of the aims of INDEX was to study the spatial distribution and time evolution of the surface and subsurface circulation before, during and after the onset of the South West Monsoon. Some preliminary results from this experiment have been published by Dilling *et al.* (1980) and Leetmaa *et al.* (1980).

During the second leg of RRS Discovery's cruise 102 from 9 June to 6 July 1979 (IOS Cruise Report No. 83, 1979) we obtained 55 vertical profiles of current and temperature from the surface down to a nominal depth of 730 m, using a Dilling profiling current meter (Dilling and Johnson, 1972).

In this report the corrected absolute current and temperature profiles are presented. Part one describes the first profile on each station, part two repeated profiles on some of these stations. Listings of current and temperature values for 10 dbar intervals are given, also plots of current components and temperature versus pressure.

2. Instrumentation and experimental procedure

The Dilling profiling current meter (PCM) consists of upside-down Aanderaa RCM-4 current meter mounted below a 200 cm long cylindrical housing (Dilling and Johnson, 1972). Acting as a current vane the tube aligns the instrument in the direction of the flow. The whole instrument package has a slight negative buoyancy and slides down the hydrographic wire to which it is attached by a roller. It is thus decoupled from vertical motion of the wire and ship. The current profiler is trimmed so that descending speeds are between 6 and 12 m/min, depending on stratification, horizontal current speed and vertical wire angle. With a sampling interval of 30 sec measurements are taken every 3-6 m.

Combining the manufacturers information with our calibrations at I.O.S., the accuracy of this instrument can safely be given as $\pm .1^{\circ}\text{C}$ for temperature, ± 2 dbar for pressure and $\pm 2^{\circ}$ for direction. The speed calibration was found to be linear between 0 and 230 cm/s, the standard deviation from the linear fit was less than 1.7 cm/s over this range. For the first half of the profiles the range of the thermistor was between 2.0 and 21.1 $^{\circ}\text{C}$, from Station 10079 onward a fast response thermistor was mounted with an upper limit of 32 $^{\circ}\text{C}$.

The measurement itself was carried out in the following way: after lowering the

4 mm hydrographic wire with a 300 lb weight to 750 m depth the current profiler was attached by the roller to the taut wire. When the movement of the ship became steady in speed and heading, the instrument held at the surface up to then, was released. During the measurement which took about 1½ hours the ship's movement was kept as steady as possible, with a vertical wire angle of 15° .

During the time the profile was taken ship's heading and mean fore-aft and port-starboard component of speed of the ship through the water was logged on the ship's computer at two minute intervals. The heading was taken from the gyro and the speed from the hull mounted electromagnetic log. The accuracy of these measurements are within $\pm 1^{\circ}$ T for heading and ± 3 cm/s for speed. The estimated dead reckoning based on these 2 minute interval data was later fitted between successive satellite fixes. Thus, assuming a constant surface current between fixes, the ship's position and therefore its speed and direction over the ground are known every 2 mins.

During the measurement the descent of the profiling current meter was observed on the precision echo sounder, in addition the vertical wire angle at the surface was logged every 5 minutes.

3. Data processing and reduction

All data processing was done at I.O.S. using the G-EXEC system on the Rutherford IBM 360/195 computer. After standardized calibrating and editing of the raw data as a current meter record, the profile had to be corrected to compensate for the horizontal slip of the instrument due to a vertical wire angle and to allow for the movement of the ship over the ground.

The wire shape was calculated assuming a quadratic relationship between the horizontal drag on the wire and the water velocity (Siedler and Grasshoff, 1970). The drag was estimated for wire increments corresponding to the sampling depths of the current profiler and the direction of maximum drag was determined. Wire angles were calculated in a vertical plane through this direction and the component of the current in that direction is corrected for the horizontal slip of the instrument caused by this angle. The current components were then recombined and resolved into North and East.

Thus, a wire angle correction was only carried out in one plane. It was also assumed that the vertical current profile and therefore the wire shape stayed constant during the time of the measurement.

For most parts of the profile the corrections were negligible as wire angles did not exceed 2° . Only in the top 100 m higher wire angles led to corrections of

up to 10 cm/s. Generally a good agreement was found between the calculated and measured wire angles at the surface.

The ship's drift correction was carried out using the 2 min interval speed and direction data from the ship's navigation system. An inspection of some profiles, where the ship's movement had varied significantly (e.g. Stn's 10067, 69, 70, 78, 85) revealed that the horizontal movement of the current meter at the wire introduced by ship's movement did not lag in time between the surface and about 60 m but lagged about 6 min in depths greater than 180 m. It was also found that the amplitude of the high frequency (<10 mins) fluctuations in ship's speed was reduced quite substantially at the instrument, possibly due to a filtering effect of the wire.

The drift data have therefore been filtered with a low pass filter (half power frequency 8 min) after the aforementioned time lag had been applied to the drift data. In most cases the ship's drift was fairly steady, problems occurred only in regions of relatively weak surface flow (e.g. at the equator). The filtered and delayed drift data of the ship were then simply added to the relative current profile to form the absolute profile.

In cases of steady ship's drift the accuracy of the absolute current profile is about ± 10 cm/s. However, in some occasions of very variable ship's drift the accuracy might not be better than ± 25 cm/s. These profiles are marked with an asterisk in tables 1 and 2.

4. Presentation of data

The data are presented in different ways. Part one contains the first profile of each station (Table 1, Fig. 1). Given are listings of averaged East and North components, direction and speed of currents as well as temperature for 10 dbar pressure intervals. 0 dbar corresponds to the mean of all samples between 0 and 5 dbar, 10 dbar to the mean between 5 and 15 dbar etc. Also shown are plots of the current profiles (East and North components) and temperature profiles against pressure. All the samples are plotted. Note that up to station 10078 the upper limit of the thermistor is 21.1°C . Only values below this limit are plotted.

Part two contains repeated profiles from several stations (10070, 73, 77 and 84) (Table 2). The data are presented in the same way as in part one.

Acknowledgements

We thank the University of Miami, Florida, for giving us the hull of the profiling current meter on loan. The Captain and crew of the RRS Discovery deserve

special thanks for their assistance and co-operation during this experiment, as well as a large number of people within IOS who carried out the measurements. Programming assistance of Mr D.S. Collins is gratefully acknowledged.

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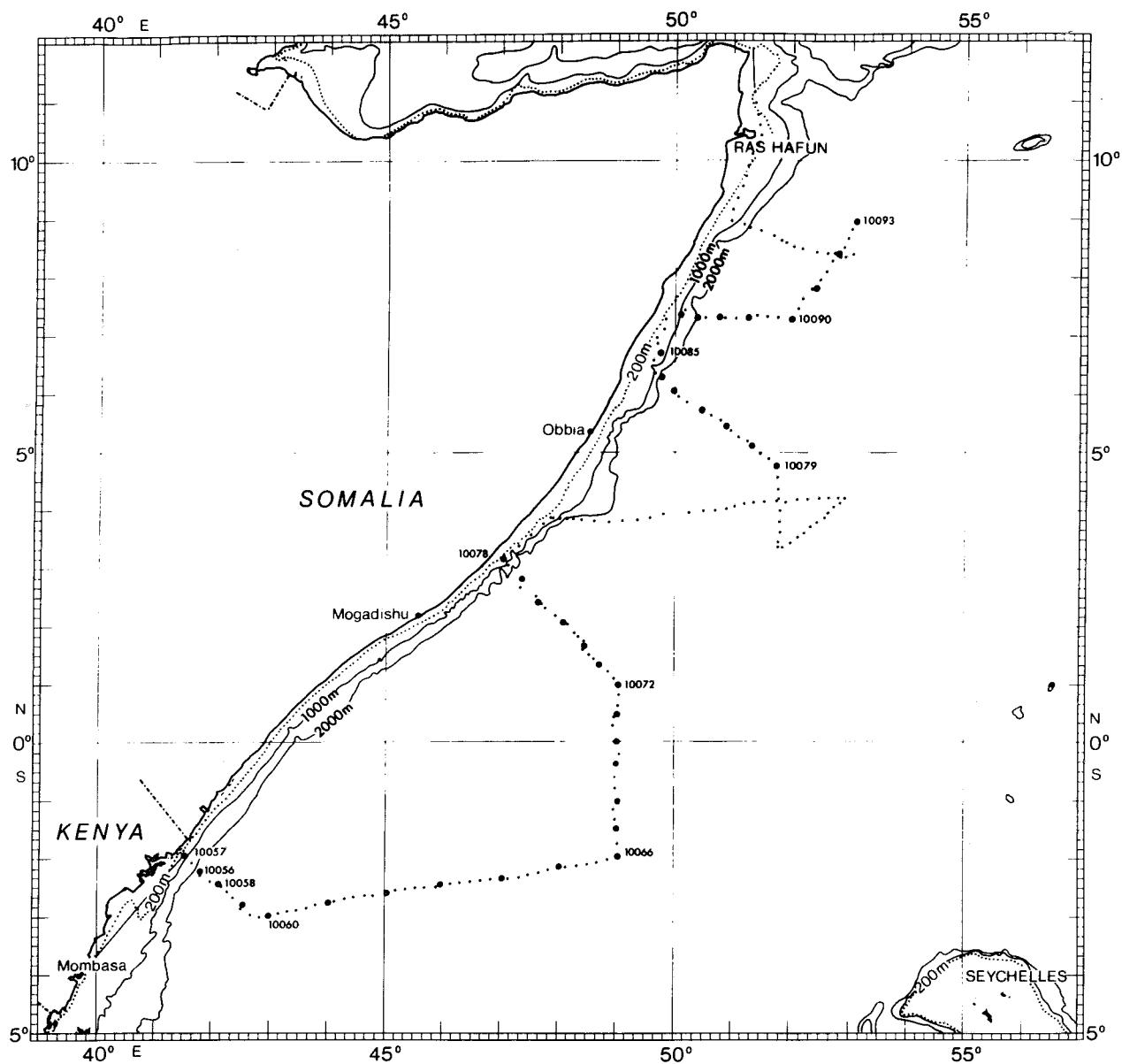


Fig. 1 Profiling current meter station positions (heavy dots) on RRS *Discovery* Cruise 102, leg 2, 9 June - 6 July 1979. Light dots indicate XBT profiles along ships track.

PART ONE

first profile on each station

Table 1. Position and time of first profiles at each station
Asterisks mark significant changes of ship's movement
during measurement, see text.

Prof. No.	Stn. No.	Date 1979	Start			End
			Time Z	Lat.	Long. E	Time Z
4	10056	10.VI	1516	2 12.7S	41 45.4	1646
5	10057	10.VI	2112	2 02.7S	41 30.2	2228
6	10058	11.VI	0945	2 26.0S	42 06.4	1110
7	10059	11.VI	2155	2 47.0S	42 33.0	2318
9	10060	12.VI	1202	2 58.7S	42 58.4	1318
10	10061	12.VI	2037	2 48.4S	44 00.1	2212
11	10062	13.VI	0826	2 38.4S	45 00.2	0940
12	10063	13.VI	2021	2 27.8S	45 58.7	2140
13	10064	14.VI	0418	2 21.0S	47 00.6	0530
14	10065	14.VI	1430	2 10.4S	47 59.6	1538
15	10066	15.VI	0118	2 01.3S	49 01.6	0248
16	10067	15.VI	0848	1 29.8S	48 59.2	1016 *
17	10068	15.VI	1618	1 01.2S	48 58.1	1732
18	10069	15/16.VI	2354	0 31.7S	49 00.5	0121 *
19	10070	16.VI	0750	0 02.1N	49 02.8	0925 *
24	10071	17.VI	0940	0 30.4N	48 59.9	1100
25	10072	17.VI	1706	1 00.9N	49 02.0	1824 *
26	10073	18.VI	0144	1 20.3N	48 41.1	0316
29	10074	18.VI	1902	1 40.0N	48 21.5	2102
30	10075	19.VI	1410	2 02.5N	47 59.0	1536
31	10076	20.VI	0344	2 22.2N	47 35.7	0504
32	10077	20.VI	2112	2 46.0N	47 16.8	2242
34	10078	21.VI	1955	3 10.0	47 05.4	2138 *
35	10079	24.VI	0326	4 45.3	51 43.9	0446
36	10080	24.VI	1135	5 07.2	51 19.8	1256
37	10081	24.VI	1902	5 26.6	50 53.6	2034
38	10082	25.VI	1524	5 42.3	50 27.9	1714
39	10083	25/26.VI	2350	6 01.8	50 00.6	0122
41	10084	26.VI	1356	6 18.2	49 48.5	1536 *
47	10085	27.VI	0800	6 41.1	49 43.4	0924 *
48	10086	27.VI	1640	7 20.1	50 00.6	1812
49	10087	28.VI	0718	7 17.7	50 21.0	0834
50	10088	28.VI	1750	7 17.9	50 43.5	1913
51	10089	29.VI	0138	7 20.0	51 16.6	0320
52	10090	29.VI	1035	7 17.8	52 00.0	1212
53	10091	29.VI	1852	7 53.1	52 21.9	2000
54	10092	30.VI	0326	8 26.4	52 44.5	0436
55	11093	30.VI	1228	8 58.9	53 03.0	1406

PRESS	TEMP	EAST	NORTH	SPEED	DFG
10.		93.7	90.8	130.5	45.9
20.		92.2	86.6	126.5	46.8
30.		91.5	83.9	124.2	47.5
40.		98.4	78.8	126.0	51.3
50.		102.8	81.1	131.0	51.7
60.		108.3	80.1	134.7	53.5
70.		106.5	72.5	128.9	55.7
80.		92.8	70.2	116.3	52.9
90.		69.7	74.1	101.7	43.2
100.		63.0	73.2	96.6	40.7
110.	20.2	54.1	70.3	88.7	37.6
120.	18.4	35.6	74.2	82.3	25.6
130.	17.1	36.8	60.4	70.7	31.3
140.	16.1	32.5	47.8	57.8	34.2
150.	15.5	32.6	34.9	47.7	43.0
160.	15.2	37.4	22.0	43.4	59.5
170.	15.0	31.4	11.7	33.5	69.5
180.	14.6	34.6	3.2	34.7	84.7
190.	14.2	37.1	9.8	38.4	75.2
200.	13.7	38.4	10.0	39.7	75.4
210.	13.1	31.0	13.8	34.0	66.1
220.	12.7	21.1	18.5	28.1	48.7
230.	12.4	14.8	19.0	24.1	37.9
240.	12.1	9.6	16.9	19.4	29.6
250.	12.0	-1.6	7.5	7.7	348.1
260.	11.9	-5.3	7.6	9.3	324.9
270.	11.8	-8.5	7.5	11.3	311.4
280.	11.8	-13.0	6.8	14.7	297.7
290.	11.7	-16.6	2.7	16.9	279.2
300.	11.6	-14.2	-2.1	14.3	261.4
310.	11.5	-9.5	-1.3	9.6	262.2
320.	11.3	-7.7	-0.2	7.7	268.2
330.	11.3	-9.2	0.2	9.2	271.5
340.	11.2	-11.6	0.9	11.7	274.6
350.	11.1	-9.6	-3.1	10.1	252.4
360.	11.0	-5.6	-11.8	13.0	205.3
370.	11.0	-4.5	-14.0	14.7	198.0
380.	11.0	-6.0	-15.8	16.9	200.7
390.	10.9	-7.1	-16.5	18.0	203.2
400.	10.7	-12.7	-19.5	23.3	213.2
410.	10.5	-16.5	-17.7	24.2	222.9
420.	10.3	-16.7	-14.5	22.2	229.0
430.	10.2	-16.4	-12.2	20.5	233.3
440.	10.1	-16.4	-9.9	19.2	238.9
450.	9.9	-19.4	-9.6	21.6	243.6
460.	9.7	-20.7	-9.0	22.6	246.4
470.	9.7	-21.9	-9.2	23.7	247.2
480.	9.7	-20.9	-8.8	22.7	247.1
490.	9.6	-20.3	-8.5	22.0	247.3
500.	9.6	-20.1	-8.7	21.9	246.7
510.	9.6	-21.8	-10.3	24.1	244.7
520.	9.6	-21.4	-12.1	24.6	240.5
530.	9.6	-22.0	-12.1	25.1	241.1
540.	9.6	-22.2	-10.9	24.7	243.9
550.	9.5	-21.9	-8.5	23.4	248.8
560.	9.4	-22.1	-6.8	23.2	253.0
570.	9.3	-19.4	-4.3	19.8	257.4
580.	9.3	-18.6	-3.6	19.0	259.1
590.	9.2	-15.3	-3.8	15.8	255.9
600.	9.2	-14.7	-2.9	15.0	258.8
610.	9.2	-13.3	-1.5	13.4	263.6
620.	9.2	-12.4	-0.1	12.4	269.3
630.	9.3	-11.1	1.0	11.1	275.4
640.	9.2	-10.3	1.8	10.4	280.1
650.	9.2	-10.8	2.0	11.0	280.6
660.	9.1	-10.4	1.9	10.6	280.4
670.	8.9	-9.2	2.2	9.4	283.5
680.	8.8	-7.3	2.8	7.8	290.7
690.	8.9	-5.1	3.4	6.1	303.4
700.	8.9	-6.3	3.7	7.3	300.4
710.	9.0	-7.9	4.7	9.1	300.7
720.	9.2	-8.9	5.6	10.5	302.0
730.	9.1	-8.7	3.4	9.3	291.2

PRESS	TEMP	EAST	NORTH	SPFED	DFG
0.		148.2	66.4	162.4	65.9
10.		147.1	76.2	165.7	62.6
20.		138.0	93.3	166.6	55.9
30.		138.2	81.8	160.6	59.4
40.		127.7	84.2	152.9	56.6
50.		116.0	69.2	135.1	59.2
60.		115.1	67.7	133.6	59.5
70.		99.9	80.7	128.4	51.1
80.		83.9	88.8	122.2	43.4
90.		78.8	97.8	125.6	38.9
100.	20.9	56.2	84.1	101.2	33.8
110.	19.7	47.7	48.7	68.2	44.4
120.	18.7	38.9	39.5	55.4	44.6
130.	17.6	29.7	53.0	60.8	29.3
140.	16.7	12.6	37.1	39.2	18.8
150.	16.5	10.5	30.4	32.1	19.0
160.	16.2	10.7	25.8	27.9	22.5
170.	15.8	5.5	20.9	21.6	14.8
180.	15.0	20.3	28.2	34.8	35.8
190.	14.4	27.1	28.7	39.5	43.3
200.	13.9	18.8	22.2	29.1	40.2
210.	13.7	13.4	18.0	22.4	36.8
220.	13.3	4.9	17.4	18.0	15.7
230.	12.9	-1.5	12.4	12.5	353.0
240.	12.6	-2.0	11.8	12.0	350.4
250.	12.4	0.5	11.4	11.4	2.5
260.	12.1	0.7	9.0	9.0	4.7
270.	11.9	-4.0	4.4	5.9	317.8
280.	11.9	-7.7	1.9	7.9	283.7
290.	11.9	-10.1	-0.2	10.1	268.9
300.	11.8	-8.2	0.1	8.2	270.5
310.	11.7	-5.5	-0.3	5.5	266.5
320.	11.7	-5.9	1.4	6.1	283.8
330.	11.6	-8.3	-0.7	8.3	265.2
340.	11.5	-12.0	-0.8	12.0	266.3
350.	11.4	-12.9	0.9	12.9	273.9
360.	11.3	-14.9	1.0	15.0	273.9
370.	11.1	-18.8	-1.1	18.8	266.7
380.	11.0	-23.7	-0.1	23.7	269.9
390.	10.9	-23.5	-1.8	23.6	265.7
400.	10.7	-23.3	-2.0	23.4	265.1
410.	10.5	-22.9	-8.5	24.4	249.7
420.	10.4	-23.9	-9.1	25.6	249.2
430.	10.2	-24.8	-8.6	26.2	250.9
440.	10.2	-26.4	-8.0	27.6	253.1
450.	10.1	-26.4	-7.6	27.5	254.0
460.	10.0	-28.0	-7.5	29.0	255.0
470.	10.0	-26.9	-7.2	27.9	255.0
480.	10.1	-23.6	-10.4	25.8	246.2
490.	10.1	-24.7	-11.8	27.4	244.5
500.	10.1	-23.8	-9.5	25.6	248.2
510.	10.0	-22.4	-9.6	24.4	246.8
520.	10.1	-20.3	-10.3	22.8	243.0
530.	10.3	-18.5	-12.0	22.0	237.1
540.	10.3	-19.6	-10.8	22.4	241.1
550.	10.2	-17.4	-10.7	20.4	238.3
560.	10.2	-16.0	-12.8	20.4	231.4
570.	10.2	-16.7	-13.6	21.5	230.9
580.	10.1	-15.2	-12.7	19.8	230.2
590.	10.1	-15.3	-13.3	20.3	229.0
600.	10.0	-15.8	-11.6	19.6	233.8
610.	9.8	-17.9	-10.1	20.5	240.6
620.	9.8	-17.7	-8.4	19.6	244.5
630.	9.7	-16.5	-8.7	18.6	242.3
640.	9.6	-16.0	-7.7	17.8	244.3
650.	9.5	-15.7	-6.9	17.1	246.3
660.	9.5	-12.4	-5.8	13.7	245.1
670.	9.3	-10.0	-5.7	11.5	240.3
680.	9.2	-12.7	-6.9	14.5	241.6
690.	9.2	-14.5	-7.3	16.3	243.2
700.	9.2	-14.8	-7.0	16.4	244.6
710.	9.1	-17.1	-7.2	18.6	247.2
720.	9.1	-14.7	-6.3	16.0	246.8

DISCOVERY 102 STN 10058

PRESS	TEMP	EAST	NORTH	SPEED	DEG
0.		53.0	13.6	54.8	75.6
10.		57.2	13.0	58.7	77.2
20.		63.1	33.1	71.3	62.4
30.		59.2	50.4	77.8	49.6
40.		56.5	54.1	78.2	46.2
50.		58.6	53.8	79.6	47.4
60.		80.2	47.2	93.1	59.5
70.		76.8	53.5	93.6	55.1
80.		72.6	42.6	84.2	59.6
90.		69.0	44.7	82.2	57.1
100.	20.8	74.2	23.9	77.9	72.2
110.	19.6	67.8	24.7	72.2	70.0
120.	18.1	65.3	31.1	72.3	64.5
130.	17.4	56.2	31.2	64.3	61.0
140.	16.4	32.3	28.7	43.2	48.5
150.	15.4	11.3	23.4	26.0	25.7
160.	14.4	9.2	28.7	30.1	17.8
170.	13.8	18.3	17.1	25.1	46.9
180.	13.3	28.0	4.1	28.3	81.8
190.	12.7	21.6	13.9	25.7	57.3
200.	12.0	14.3	7.8	16.3	61.4
210.	11.8	15.8	1.7	15.9	83.8
220.	11.7	22.2	-0.6	22.2	91.6
230.	11.7	19.1	-0.8	19.1	92.5
240.	11.7	11.0	1.0	11.1	84.9
250.	11.6	5.2	2.0	5.5	69.2
260.	11.6	0.7	6.3	6.3	6.0
270.	11.5	-1.2	4.3	4.5	344.3
280.	11.4	-3.5	2.6	4.4	306.8
290.	11.3	-6.2	0.7	6.3	276.8
300.	11.1	-7.5	0.7	7.5	275.6
310.	11.0	-5.1	-2.4	5.7	245.0
320.	11.0	-2.9	-3.6	4.6	218.7
330.	10.9	-1.0	-4.2	4.4	193.7
340.	10.8	-0.5	-9.8	9.8	183.1
350.	10.6	-0.5	-14.9	14.9	181.8
360.	10.5	-0.7	-11.7	11.7	183.3
370.	10.4	-6.2	-10.7	12.3	210.0
380.	10.4	-11.1	-14.1	17.9	218.2
390.	10.3	-13.3	-16.5	21.2	218.9
400.	10.2	-14.7	-14.6	20.8	225.1
410.	10.2	-19.7	-11.3	22.7	240.1
420.	10.2	-22.7	-9.4	24.5	247.4
430.	10.2	-25.3	-7.5	26.3	253.5
440.	10.1	-27.5	-6.7	28.3	256.4
450.	10.1	-27.6	-4.4	27.9	260.9
460.	10.1	-27.8	-0.5	27.8	269.1
470.	10.0	-30.3	-5.2	30.8	260.3
480.	9.9	-32.5	-8.3	33.6	255.7
490.	9.8	-32.6	-6.4	33.2	258.9
500.	9.7	-32.4	-3.8	32.6	263.4
510.	9.7	-32.3	-4.0	32.5	262.9
520.	9.6	-30.7	-2.6	30.8	265.1
530.	9.6	-29.2	0.8	29.2	271.5
540.	9.6	-29.3	3.9	29.6	277.7
550.	9.4	-30.0	4.0	30.3	277.6
560.	8.8	-33.2	0.8	33.2	271.4
570.	8.5	-32.3	0.7	32.3	271.3
580.	8.3	-26.8	2.7	26.9	275.7
590.	8.4	-24.6	1.3	24.6	273.1
600.	8.4	-18.3	2.1	18.4	276.5
610.	8.5	-16.2	3.4	16.6	281.7
620.	8.5	-16.5	2.9	16.7	280.0
630.	8.5	-19.7	-2.4	19.9	263.1
640.	8.6	-20.3	-3.9	20.6	259.0
650.	8.6	-19.6	-1.4	19.6	266.0
660.	8.6	-19.5	4.8	20.1	283.8
670.	8.6	-22.7	4.5	23.1	281.2
680.	8.5	-23.2	6.3	24.0	285.3
690.	8.3	-18.9	7.9	20.5	292.7
700.	8.3	-18.6	5.9	19.5	287.8
710.	8.3	-20.0	0.8	20.0	272.2
720.	8.2	-21.8	-1.8	21.9	265.2
730.	8.1	-410.9	-400.1	573.5	225.8

DISCOVERY 102 STN 10059

PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.		-40.3	-11.9	42.0	253.6
20.		-28.2	-23.6	36.7	230.1
30.		-24.9	-22.3	33.5	228.1
40.		-20.3	-28.9	35.3	215.1
50.		0.6	-27.2	27.2	178.8
60.		2.6	-33.1	33.2	175.5
70.		5.1	-25.8	26.3	168.9
80.		28.1	-9.2	29.5	108.1
90.		37.9	3.2	38.0	85.2
100.		32.4	4.0	32.7	83.0
110.	20.0	41.0	9.0	42.0	77.6
120.	18.8	36.3	15.9	39.6	66.3
130.	17.1	28.2	22.1	35.8	52.0
140.	15.6	31.6	21.7	38.3	55.6
150.	15.0	29.1	22.7	36.9	52.0
160.	14.3	25.0	19.4	31.6	52.3
170.	13.8	21.2	18.3	28.0	49.3
180.	12.8	27.1	25.0	36.9	47.3
190.	12.2	17.9	28.5	33.7	32.1
200.	11.7	3.0	28.8	29.0	5.8
210.	11.3	-2.2	29.7	29.8	355.8
220.	11.3	-3.3	29.5	29.7	353.5
230.	11.2	-4.1	26.1	26.4	351.0
240.	11.2	-2.1	18.3	18.4	353.3
250.	11.2	-1.6	11.3	11.4	351.9
260.	11.2	-0.9	6.6	6.7	352.2
270.	11.2	-5.4	5.2	7.5	313.8
280.	11.2	-6.3	6.2	8.9	314.6
290.	11.1	-5.1	6.2	8.0	320.6
300.	10.8	-6.7	7.9	10.4	319.5
310.	10.7	-6.1	8.6	10.5	324.7
320.	10.7	-9.1	10.0	13.5	317.5
330.	10.7	-9.9	11.6	15.3	319.3
340.	10.6	-8.3	8.5	11.9	315.9
350.	10.6	-5.7	7.0	9.1	320.8
360.	10.5	-8.1	7.0	10.7	310.6
370.	10.4	-9.2	6.5	11.2	305.3
380.	10.4	-7.8	1.5	7.9	281.0
390.	10.3	-3.3	-5.1	6.0	212.8
400.	10.2	-4.8	-4.5	6.5	226.9
410.	10.2	-8.8	-3.9	9.6	246.1
420.	10.2	-11.0	-3.4	11.5	252.8
430.	10.1	-14.2	-3.4	14.6	256.7
440.	10.1	-18.6	-4.1	19.1	257.5
450.	10.0	-21.9	-5.3	22.6	256.4
460.	9.9	-23.3	-5.1	23.8	257.7
470.	9.7	-26.3	-4.4	26.7	260.5
480.	9.6	-29.9	-1.1	29.9	267.9
490.	9.7	-30.5	0.7	30.5	271.4
500.	9.7	-30.2	1.9	30.3	273.5
510.	9.6	-33.3	3.3	33.5	275.6
520.	9.5	-33.5	4.5	33.8	277.6
530.	9.2	-38.9	2.0	39.0	272.9
540.	9.1	-40.8	-2.5	40.9	266.5
550.	9.1	-40.6	-1.7	40.6	267.5
560.	9.1	-41.3	-2.5	41.4	266.6
570.	9.1	-47.6	-3.4	47.7	266.0
580.	9.2	-46.6	-4.5	46.9	264.5
590.	9.2	-43.4	-4.7	43.6	263.8
600.	9.2	-43.6	-5.6	44.0	262.7
610.	9.1	-43.2	-8.5	44.0	258.9
620.	9.1	-41.5	-9.8	42.6	256.7
630.	9.0	-39.9	-10.4	41.3	255.4
640.	9.0	-38.0	-12.1	39.9	252.3
650.	9.0	-37.8	-11.9	39.6	252.5
660.	9.2	-39.2	-9.7	40.4	256.2
670.	9.6	-38.4	-9.3	39.5	256.4
680.	9.7	-37.5	-8.6	38.4	257.0
690.	9.4	-795.6	-791.2	1122.0	225.2

DISCOVERY 102 STN 10060

PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.		-41.0	4.7	41.2	276.6
20.		-50.8	-12.4	52.2	256.3
30.		-41.4	-21.4	46.6	242.6
40.		-35.0	-23.8	42.4	235.8
50.		-21.7	-26.4	34.2	219.4
60.		-15.6	-24.1	28.7	212.8
70.		-18.6	-18.7	26.4	224.8
80.		-2.8	-21.1	21.3	187.7
90.		11.6	-25.3	27.9	155.4
100.		26.8	-19.0	32.8	125.4
110.	20.2	27.9	20.4	34.6	53.8
120.	18.1	1.8	35.9	36.0	2.9
130.	16.2	6.5	35.4	36.0	10.4
140.	15.2	10.2	29.4	31.1	19.0
150.	14.7	13.3	24.5	27.9	28.4
160.	13.9	9.1	23.2	24.9	21.4
170.	13.4	4.3	21.0	21.4	11.5
180.	13.2	-1.3	22.4	22.5	356.7
190.	13.0	-2.7	22.3	22.4	353.0
200.	12.4	-0.5	21.1	21.1	358.7
210.	11.8	1.1	20.1	20.1	3.1
220.	11.5	-0.2	15.4	15.4	359.1
230.	11.3	-1.2	16.2	16.2	355.7
240.	11.0	-1.1	16.2	16.2	356.3
250.	10.8	-2.4	15.1	15.3	350.8
260.	10.7	-2.2	13.9	14.0	351.1
270.	10.7	-2.6	15.0	15.2	350.3
280.	10.7	-5.3	16.1	16.9	341.7
290.	10.5	-4.9	16.1	16.8	342.9
300.	10.4	-4.7	16.6	17.2	344.3
310.	10.3	-2.6	16.2	16.4	351.0
320.	10.3	-0.3	15.7	15.7	359.0
330.	10.3	0.5	15.2	15.2	1.8
340.	10.2	-0.6	15.8	15.8	357.8
350.	10.1	3.1	13.9	14.3	12.4
360.	10.1	-0.2	13.6	13.6	359.2
370.	10.0	-3.4	14.5	14.9	346.8
380.	10.0	-5.1	15.6	16.4	341.8
390.	9.9	-5.0	15.1	15.9	341.6
400.	9.8	-2.2	12.1	12.3	349.8
410.	9.7	-4.6	10.2	11.2	335.6
420.	9.7	-5.0	4.8	6.9	313.6
430.	9.6	-7.5	-0.0	7.5	269.8
440.	9.5	-9.9	1.6	10.0	279.4
450.	9.4	-10.9	0.5	10.9	272.8
460.	9.3	-10.6	-0.9	10.6	265.0
470.	9.3	-11.7	0.7	11.7	273.5
480.	9.2	-11.4	0.8	11.4	273.9
490.	9.2	-11.9	0.7	12.0	273.6
500.	9.2	-12.8	1.1	12.8	274.8
510.	9.1	-14.9	3.7	15.3	283.9
520.	9.1	-17.0	6.1	18.1	289.7
530.	9.3	-21.6	3.9	21.9	280.1
540.	9.4	-22.4	3.0	22.6	277.7

DISCOVERY 102 STN 10061

PRESS	TEMP	EAST	NORTH	SPEED	DEG
0.		-34.3	54.9	64.7	328.0
10.		-29.1	44.9	53.5	327.1
20.		-26.0	44.7	51.7	329.9
30.		-24.3	52.9	58.2	335.3
40.		-25.1	53.5	59.1	334.8
50.		-30.2	53.5	61.4	330.6
60.		-26.3	56.3	62.1	334.9
70.		-26.8	60.6	66.3	336.1
80.		-10.3	59.3	60.2	350.2
90.	20.9	15.7	41.9	44.7	20.6
100.	20.3	39.7	31.9	50.9	51.1
110.	19.7	43.3	21.2	48.2	63.9
120.	19.3	21.8	10.4	24.1	64.5
130.	18.6	14.6	17.0	22.4	40.8
140.	16.7	32.9	1.7	33.0	87.1
150.	15.2	38.1	-15.6	41.2	112.3
160.	14.4	41.2	-15.0	43.8	110.0
170.	14.2	47.5	-4.6	47.7	95.6
180.	13.8	44.0	-19.1	48.0	113.5
190.	13.4	40.2	-18.9	44.4	115.1
200.	13.0	36.8	-21.3	42.6	120.1
210.	12.6	34.8	-20.8	40.5	120.8
220.	12.3	39.0	-13.6	41.3	109.2
230.	12.1	49.9	-3.6	50.1	94.1
240.	12.0	43.8	-3.3	43.9	94.3
250.	11.7	38.2	-2.9	38.3	94.3
260.	11.5	29.6	1.2	29.6	87.7
270.	11.4	32.8	-0.0	32.8	90.0
280.	11.4	30.8	-0.3	30.8	90.5
290.	11.2	31.4	-1.4	31.4	92.5
300.	11.1	29.8	-0.8	29.8	91.6
310.	10.9	30.6	-0.2	30.6	90.4
320.	10.6	24.7	6.2	25.5	75.8
330.	10.2	16.9	19.9	26.1	40.3
340.	10.1	10.9	29.4	31.4	20.4
350.	10.0	6.6	27.4	28.2	13.5
360.	9.9	4.1	25.0	25.4	9.3
370.	9.8	-0.5	28.6	28.6	359.1
380.	9.7	-3.2	29.8	29.9	353.8
390.	9.7	-4.9	30.9	31.3	350.9
400.	9.6	-4.6	28.9	29.3	351.0
410.	9.5	-5.9	27.3	28.0	347.7
420.	9.6	-9.0	27.8	29.2	342.0
430.	9.7	-9.2	24.3	25.9	339.3
440.	9.6	-11.1	23.7	26.2	334.8
450.	9.5	-13.0	22.4	25.9	329.9
460.	9.3	-14.2	20.1	24.6	324.8
470.	9.3	-16.8	18.6	25.1	317.8
480.	9.2	-24.0	21.8	32.5	312.2
490.	9.3	-25.7	27.1	37.4	316.6
500.	9.5	-28.4	30.0	41.3	316.6
510.	9.6	-30.2	29.9	42.5	314.7
520.	9.7	-33.9	29.4	44.9	311.0
530.	9.8	-40.1	31.4	51.0	308.1
540.	9.7	-37.5	33.5	50.3	311.7
550.	9.7	-39.0	31.1	49.8	308.6
560.	9.8	-37.6	29.4	47.7	308.0
570.	9.7	-36.9	28.0	46.4	307.2
580.	9.6	-36.0	24.1	43.3	303.8
590.	9.4	-39.5	21.8	45.1	298.9
600.	9.3	-39.2	20.7	44.3	297.8
610.	9.5	-40.8	20.9	45.8	297.1
620.	9.7	-39.8	21.0	45.0	297.8
630.	9.6	-40.4	22.9	46.4	299.6
640.	9.6	-38.4	24.1	45.4	302.1
650.	9.6	-36.9	25.5	44.9	304.7
660.	9.6	-36.0	25.3	44.0	305.1
670.	9.5	-39.4	24.1	46.2	301.5
680.	9.5	-37.2	19.7	42.1	297.9
690.	9.5	-36.8	19.2	41.5	297.6
700.	9.5	-36.8	19.8	41.8	298.2
710.	9.4	-35.7	20.7	41.2	300.2
720.	9.4	-35.3	20.9	41.0	300.6
730.	9.4	-930.1	-926.1	1312.6	225.1

DISCOVERY 102 STN 10062

DISCOVERY 102 STN 10063

PRESS	TEMP	EAST	NORTH	SPEED	DEG	PRESS	TEMP	EAST	NORTH	SPEED	DEG
0.		-29.6	56.0	63.3	332.2	10.		-33.3	65.6	73.6	333.1
10.		-29.9	49.0	57.4	328.6	20.		-22.3	49.3	54.1	335.7
20.		-28.5	38.0	47.5	323.2	30.		-20.9	32.8	38.9	327.5
30.		-31.6	41.8	52.3	322.9	40.		-12.7	11.1	16.9	311.2
40.		-27.9	40.4	49.0	325.4	50.	20.9	-12.5	11.2	16.8	311.8
50.		-16.6	41.8	45.0	338.4	60.	20.1	-15.9	16.5	22.9	316.2
60.		-5.4	44.5	44.8	353.0	70.	19.4	-20.1	7.4	21.4	290.4
70.	20.9	-1.3	45.9	45.9	358.3	80.	19.1	-26.7	-0.3	26.7	269.3
80.	19.7	-5.7	24.2	24.8	346.8	90.	17.6	-18.1	-15.8	24.0	228.8
90.	19.2	-6.6	6.7	9.4	315.7	100.	15.7	-0.4	-29.1	29.1	180.7
100.	18.8	-4.1	-1.3	4.3	252.3	110.	15.3	-0.1	-34.8	34.8	180.2
110.	17.1	-3.7	-6.0	7.1	211.2	120.	14.9	6.9	-36.5	37.1	169.3
120.	15.9	-5.9	-11.1	12.6	208.2	130.	14.4	8.1	-33.0	33.9	166.3
130.	15.6	-3.7	-11.2	11.8	198.3	140.	14.1	4.0	-22.2	22.6	169.8
140.	15.1	-6.7	-25.0	25.8	195.1	150.	13.9	5.2	-15.4	16.3	161.3
150.	14.5	-8.1	-38.8	39.6	191.8	160.	13.5	4.8	-11.4	12.4	156.9
160.	14.1	-1.4	-34.7	34.7	182.3	170.	13.1	4.6	-10.7	11.6	156.9
170.	13.9	4.8	-28.8	29.2	170.5	180.	13.0	2.4	-11.0	11.3	167.7
180.	13.5	8.5	-25.2	26.6	161.5	190.	13.0	-0.9	-12.3	12.3	184.1
190.	13.1	10.8	-24.2	26.5	155.8	200.	12.9	-4.1	-11.5	12.3	199.6
200.	13.0	14.7	-21.6	26.2	145.7	210.	12.8	-7.0	-7.9	10.6	221.7
210.	12.9	14.9	-21.9	26.5	145.8	220.	12.7	-7.6	-9.3	12.0	219.2
220.	12.7	12.0	-25.0	27.7	154.4	230.	12.6	-8.4	-9.6	12.7	221.2
230.	12.5	7.8	-29.1	30.2	165.1	240.	12.5	-2.8	-5.7	6.4	206.2
240.	12.2	12.5	-24.8	27.7	153.2	250.	12.2	3.3	-3.9	5.1	139.6
250.	12.1	14.3	-21.4	25.8	146.3	260.	12.1	5.7	-7.1	9.1	141.1
260.	11.8	12.1	-18.2	21.9	146.5	270.	12.1	5.2	-10.8	11.9	154.4
270.	11.5	12.2	-5.6	13.5	114.8	280.	11.9	3.8	-12.6	13.2	163.4
280.	11.3	14.3	1.8	14.4	82.8	290.	11.8	5.8	-14.0	15.2	157.4
290.	11.2	17.8	0.7	17.8	87.6	300.	11.6	6.8	-14.7	16.2	155.1
300.	11.2	20.8	1.9	20.9	84.9	310.	11.5	8.6	-19.7	21.5	156.4
310.	11.2	22.9	4.3	23.3	79.3	320.	11.4	8.3	-24.8	26.1	161.5
320.	11.1	22.3	8.0	23.7	70.3	330.	11.3	7.8	-22.2	23.5	160.7
330.	11.0	19.6	10.2	22.1	62.5	340.	11.2	7.0	-16.3	17.7	156.8
340.	11.0	17.8	10.9	20.9	58.6	350.	11.2	4.8	-8.7	9.9	151.3
350.	10.9	15.9	9.7	18.6	58.8	360.	11.2	4.1	-4.7	6.2	138.4
360.	10.9	13.7	9.2	16.6	56.1	370.	11.1	3.0	-1.8	3.5	120.4
370.	10.8	13.5	9.4	16.4	55.3	380.	11.1	1.9	-1.4	2.3	125.3
380.	10.8	13.2	9.9	16.5	53.1	390.	11.1	1.1	-3.2	3.4	160.9
390.	10.8	12.5	11.8	17.2	46.8	400.	11.0	0.7	-4.1	4.2	171.0
400.	10.6	11.4	12.4	16.8	42.7	410.	10.9	4.0	-6.5	7.6	148.4
410.	10.6	9.5	10.8	14.4	41.3	420.	10.7	6.1	-9.1	10.9	146.4
420.	10.5	8.2	6.1	10.3	53.6	430.	10.6	5.1	-8.3	9.7	148.5
430.	10.3	9.6	2.9	10.1	73.3	440.	10.6	4.6	-6.1	7.6	143.2
440.	10.2	12.9	2.2	13.1	80.3	450.	10.5	5.2	-5.1	7.3	134.8
450.	9.9	15.4	2.3	15.6	81.5	460.	10.2	7.7	-6.6	10.2	130.7
460.	9.6	18.0	3.9	18.5	77.8	470.	9.9	11.0	-9.0	14.2	129.1
470.	9.2	17.1	11.0	20.4	57.1	480.	9.4	10.9	-6.4	12.6	120.4
480.	9.3	14.0	20.4	24.7	34.6	490.	9.1	10.0	-2.3	10.2	102.8
490.	9.5	13.4	23.0	26.6	30.3	500.	9.1	7.1	-4.0	8.1	119.6
500.	9.4	13.7	21.9	25.9	32.1	510.	8.9	3.8	-7.4	8.3	152.9
510.	9.4	14.4	21.1	25.5	34.4	520.	8.7	6.6	-8.0	10.4	140.7
520.	9.3	13.9	19.6	24.0	35.4	530.	8.4	9.0	-7.8	11.9	130.7
530.	9.2	11.5	19.4	22.5	30.8	540.	8.0	10.0	-8.0	12.8	128.7
540.	9.2	11.6	21.5	24.4	28.4	550.	8.1	10.3	-8.3	13.2	128.8
550.	9.3	14.9	19.1	24.3	38.0						
560.	9.3	16.8	15.1	22.6	48.1						
570.	9.5	17.8	11.7	21.3	56.8						
580.	9.6	19.0	7.4	20.4	68.7						
590.	9.7	19.5	5.7	20.3	73.6						
600.	9.9	19.0	4.1	19.4	77.7						
610.	9.8	19.4	2.6	19.6	82.4						
620.	9.6	19.7	-3.3	20.0	99.4						
630.	9.3	19.0	-7.6	20.5	111.8						
640.	8.7	19.1	-8.4	20.9	113.6						
650.	8.7	20.6	-7.6	21.9	110.3						
660.	8.3	22.4	-6.3	23.2	105.8						
670.	8.0	20.6	-5.7	21.4	105.4						
680.	8.0	18.9	-4.2	19.4	102.6						
690.	7.9	16.0	-2.9	16.2	100.3						
700.	7.8	12.9	-0.7	12.9	93.1						

DISCOVERY 102 STN 10064

PRFSS	TFMP	EAST	NORTH	SPEED	DEG
10.		-15.5	-25.1	29.5	211.7
20.		-15.2	-25.0	29.3	211.3
30.		-20.4	-31.1	37.2	213.2
40.	20.6	-27.0	-18.6	32.8	235.5
50.	19.4	-20.2	4.4	20.6	282.4
60.	17.8	-9.6	3.6	10.3	290.7
70.	16.8	-17.2	-13.8	22.1	231.3
80.	16.7	-19.1	-13.5	23.4	234.7
90.	16.6	-19.1	-17.5	25.9	227.4
100.	16.5	-15.8	-20.7	26.0	217.4
110.	16.3	-14.3	-22.8	26.9	212.2
120.	15.7	-10.6	-17.4	20.4	211.4
130.	14.9	-8.9	-7.0	11.4	231.8
140.	14.5	-1.2	-3.7	3.9	198.3
150.	14.2	2.3	4.3	4.9	27.7
160.	14.1	-0.2	10.4	10.5	358.9
170.	14.0	-2.2	12.8	13.0	350.0
180.	13.7	-3.3	9.0	9.6	340.0
190.	13.3	-3.8	5.0	6.3	322.7
200.	13.1	-2.5	5.0	5.6	333.4
210.	13.0	-3.1	4.0	5.0	322.2
220.	12.8	-0.5	6.5	6.6	355.4
230.	12.7	0.1	2.5	2.5	3.3
240.	12.4	-5.0	-0.9	5.1	259.8
250.	12.3	-4.1	3.2	5.2	308.4
260.	12.2	-0.2	3.3	3.3	357.3
270.	12.1	1.0	0.7	1.2	54.0
280.	12.0	-0.7	1.6	1.8	335.7
290.	11.9	-0.6	1.8	1.9	341.8
300.	11.9	-1.2	1.0	1.6	311.6
310.	11.8	-1.2	0.3	1.2	282.1
320.	11.7	-2.6	2.3	3.4	311.2
330.	11.5	-4.1	-0.1	4.1	268.7
340.	11.4	-6.9	-1.5	7.1	257.6
350.	11.3	-5.3	0.7	5.3	277.5
360.	11.2	-3.8	1.2	4.0	287.9
370.	11.1	-4.1	4.5	6.1	317.4
380.	11.0	-3.4	4.3	5.5	321.5
390.	10.9	-3.9	4.9	6.3	321.7
400.	10.8	-1.3	6.9	7.0	349.4
410.	10.7	-1.9	5.8	6.1	341.9
420.	10.7	-1.6	3.1	3.5	332.1
430.	10.3	0.0	2.3	2.3	0.6
440.	10.2	1.2	6.1	6.2	11.4
450.	10.2	3.5	5.4	6.4	33.4
460.	10.0	4.1	7.0	8.1	30.8
470.	9.4	5.5	8.8	10.4	31.7
480.	9.2	4.9	9.2	10.4	28.0
490.	9.1	4.5	9.3	10.4	25.9
500.	9.0	5.5	9.3	10.8	30.8
510.	8.8	6.8	8.1	10.6	40.0
520.	8.6	8.3	8.4	11.8	44.4
530.	8.6	10.2	8.0	12.9	51.9
540.	8.5	11.4	4.8	12.4	67.2
550.	8.6	10.6	1.5	10.7	81.9
560.	9.0	14.8	1.8	14.9	83.2
570.	9.3	18.2	3.8	18.6	78.3
580.	9.4	19.2	4.6	19.7	76.6
590.	9.2	20.3	4.0	20.7	79.0
600.	8.8	21.5	4.0	21.9	79.5
610.	8.8	22.3	4.2	22.7	79.5
620.	8.8	21.4	4.1	21.8	79.1
630.	8.7	17.9	5.9	18.9	71.7
640.	8.7	16.0	6.9	17.4	66.7
650.	8.6	14.7	7.5	16.5	63.0
660.	8.5	11.4	8.4	14.1	53.5
670.	8.4	9.4	8.2	12.4	48.9
680.	8.3	9.1	8.0	12.1	48.4
690.	8.3	7.9	7.8	11.1	45.4
700.	8.3	7.7	4.9	9.1	57.7
710.	8.2	8.3	1.5	8.5	79.6
720.	8.2	9.2	-0.2	9.2	91.3

DISCOVERY 102 STN 10065

PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.		-9.9	-21.3	23.5	205.0
20.		-7.1	-62.5	62.9	186.5
30.		22.6	-78.6	81.8	164.0
40.		16.9	-79.7	81.5	168.0
50.	20.3	16.2	-56.2	58.5	163.9
60.	19.5	19.3	-45.7	49.6	157.1
70.	18.3	27.2	-27.2	38.5	135.0
80.	18.0	18.4	-13.0	22.5	125.2
90.	17.7	12.4	-4.8	13.3	111.1
100.	17.1	14.4	2.4	14.6	80.7
110.	16.7	12.7	2.5	13.0	78.8
120.	15.7	-4.4	1.8	4.7	292.0
130.	14.9	-10.4	-1.9	10.6	259.9
140.	14.6	-14.8	-4.3	15.5	253.8
150.	14.5	-16.9	-7.8	18.6	245.2
160.	14.3	-15.6	-4.2	16.1	255.1
170.	13.9	-11.5	-0.2	11.5	269.2
180.	13.6	-11.1	-3.2	11.6	254.0
190.	13.4	-9.2	-5.7	10.8	238.0
200.	13.2	-4.6	-7.7	9.0	210.6
210.	13.0	-3.4	-8.0	8.7	203.4
220.	12.9	-5.9	-10.1	11.7	210.3
230.	12.8	-6.1	-10.2	11.9	211.0
240.	12.8	-3.9	-10.1	10.8	200.9
250.	12.7	-0.8	-9.6	9.6	184.6
260.	12.7	-0.9	-8.1	8.1	186.2
270.	12.5	-1.2	-9.0	9.0	187.4
280.	12.2	-2.6	-8.9	9.2	196.4
290.	12.1	-3.4	-9.9	10.4	199.2
300.	11.9	-4.5	-11.3	12.2	201.8
310.	11.6	-3.3	-10.2	10.7	198.1
320.	11.4	1.0	-11.6	11.7	175.0
330.	11.4	0.8	-9.1	9.2	174.9
340.	11.4	-0.6	-7.0	7.0	184.9
350.	11.3	-1.9	-7.2	7.4	194.8
360.	11.2	-2.1	-6.1	6.5	199.1
370.	10.8	-2.5	-5.0	5.6	207.0
380.	10.4	-2.8	-5.1	5.8	208.7
390.	10.2	-2.8	-8.3	8.7	198.4
400.	10.3	-2.5	-8.4	8.8	196.3
410.	10.1	-3.5	-8.6	9.3	202.1
420.	9.8	-2.8	-12.5	12.8	192.4
430.	9.6	-3.1	-19.5	19.7	189.0
440.	9.5	-6.8	-21.2	22.3	197.9
450.	9.5	-10.0	-20.4	22.7	206.1
460.	9.5	-8.7	-19.9	21.7	203.6
470.	9.4	-8.9	-16.4	18.7	208.5
480.	9.1	-4.3	-12.6	13.3	198.8
490.	9.1	0.2	-14.2	14.2	179.0
500.	8.9	0.7	-12.9	12.9	176.9
510.	9.0	-1.5	-9.9	10.0	188.6
520.	9.3	-1.4	-8.7	8.8	189.3
530.	9.3	-0.5	-7.6	7.7	184.1
540.	9.3	-0.1	-9.0	9.0	180.7
550.	9.0	3.3	-8.0	8.6	157.7
560.	8.8	5.4	-6.7	8.7	141.1
570.	8.8	4.8	-6.5	8.1	143.4
580.	8.7	4.2	-6.0	7.3	145.4
590.	8.7	6.2	-4.6	7.7	126.7
600.	8.7	5.9	-4.2	7.2	125.4
610.	8.7	3.1	-5.1	5.9	148.6
620.	8.7	1.1	-5.4	5.5	168.2
630.	8.6	-1.2	-6.2	6.3	191.3
640.	8.5	-0.9	-6.0	6.0	188.8
650.	8.4	-2.0	-4.5	4.9	203.5
660.	8.4	-2.9	-2.2	3.6	233.6
670.	8.4	-2.5	0.8	2.6	287.2
680.	8.2	-3.1	1.3	3.4	292.2
690.	8.1	-4.0	1.5	4.3	290.7
700.	8.0	-5.2	2.5	5.8	295.7

DISCOVERY 102 STN 10066

PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.		-30.9	-35.8	47.3	220.8
20.		-28.0	-54.5	61.3	207.2
30.		5.1	-73.5	73.7	176.0
40.		15.6	-72.9	74.5	167.9
50.		11.4	-71.1	72.0	170.9
60.	20.9	0.5	-53.3	53.4	179.5
70.	19.7	1.2	-12.9	13.0	174.6
80.	19.0	1.0	8.0	8.1	7.3
90.	18.7	-4.3	12.6	13.3	341.0
100.	18.4	-11.2	14.4	18.2	322.2
110.	17.3	-21.7	18.4	28.4	310.2
120.	15.9	-26.7	14.5	30.3	298.5
130.	15.2	-20.2	11.2	23.1	299.2
140.	14.7	-18.8	11.9	22.3	302.3
150.	14.2	-14.7	12.4	19.2	310.1
160.	13.8	-6.4	14.7	16.0	336.4
170.	13.6	-4.8	18.5	19.1	345.5
180.	13.5	-6.9	24.2	25.2	344.0
190.	13.2	-6.7	27.1	27.9	346.2
200.	12.9	-10.4	26.4	28.4	338.4
210.	12.8	-13.4	27.7	30.8	334.3
220.	12.7	-14.1	25.3	29.0	330.8
230.	12.6	-16.1	21.6	27.0	323.4
240.	12.5	-13.2	22.2	25.8	329.2
250.	12.5	-10.0	18.2	20.8	331.3
260.	12.5	-10.2	16.1	19.0	327.5
270.	12.4	-9.1	15.9	18.3	330.3
280.	12.3	-11.4	8.4	14.2	306.4
290.	12.1	-9.7	7.4	12.2	307.2
300.	12.0	-2.4	9.8	10.1	346.3
310.	11.7	0.0	7.6	7.6	0.2
320.	11.4	3.1	6.6	7.3	25.4
330.	11.3	4.7	9.5	10.7	26.3
340.	10.9	5.7	6.2	8.5	42.7
350.	10.7	4.7	3.7	5.9	51.8
360.	10.7	4.3	2.5	5.0	59.8
370.	10.6	2.7	3.1	4.1	41.0
380.	10.4	3.3	4.4	5.5	36.7
390.	10.3	3.8	5.0	6.3	36.9
400.	10.2	5.2	2.9	6.0	60.9
410.	10.0	6.9	0.7	6.9	84.4
420.	9.7	10.5	-3.2	11.0	106.7
430.	9.3	12.3	-6.5	13.9	118.0
440.	9.2	15.1	-11.9	19.2	128.2
450.	9.3	16.8	-16.0	23.2	133.5
460.	9.3	16.5	-16.9	23.7	135.7
470.	9.2	11.1	-18.6	21.7	149.3
480.	9.2	9.9	-17.0	19.7	149.7
490.	9.2	11.6	-14.2	18.4	140.8
500.	9.2	11.1	-14.4	18.2	142.5
510.	9.1	11.7	-14.2	18.3	140.5
520.	9.1	11.6	-14.1	18.3	140.7
530.	9.1	12.9	-12.9	18.3	135.0
540.	9.1	13.5	-12.5	18.4	132.7
550.	9.2	11.9	-12.4	17.2	136.3
560.	9.2	10.3	-12.0	15.8	139.3
570.	9.2	8.4	-10.9	13.8	142.4
580.	9.1	6.1	-9.5	11.3	147.0

DISCOVERY 102 STN 10067

PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.		-19.7	-24.5	31.4	218.9
20.		3.4	-59.7	59.8	176.7
30.		11.8	-83.3	84.1	172.0
40.		-0.9	-86.3	86.3	180.6
50.		-26.6	-79.0	83.4	198.6
60.		-60.9	-63.9	88.3	223.6
70.	20.6	-73.2	-38.4	82.6	242.3
80.	19.8	-75.2	-22.5	78.5	253.3
90.	19.1	-77.2	2.6	77.2	271.9
100.	18.7	-78.8	8.4	79.3	276.1
110.	18.2	-85.1	7.5	85.4	275.0
120.	16.8	-82.2	0.8	82.2	270.6
130.	15.6	-78.5	-0.1	78.5	269.9
140.	15.3	-75.7	-5.7	75.9	265.7
150.	15.1	-82.8	-3.0	82.9	267.9
160.	14.7	-96.3	3.3	96.4	271.9
170.	14.4	-86.8	10.9	87.5	277.2
180.	14.0	-78.7	17.0	80.5	282.2
190.	13.7	-54.3	24.6	59.6	294.3
200.	13.4	-35.4	29.1	45.8	309.4
210.	13.2	-38.5	29.8	48.7	307.8
220.	12.9	-38.0	31.4	49.3	309.6
230.	12.7	-31.6	32.0	45.0	315.4
240.	12.6	-29.9	33.2	44.7	317.9
250.	12.5	-28.0	30.6	41.5	317.5
260.	12.4	-26.7	27.7	38.5	316.0
270.	12.3	-25.7	24.7	35.7	313.8
280.	12.1	-23.8	24.0	33.8	315.3
290.	12.0	-25.4	22.6	34.0	311.6
300.	11.8	-26.6	10.7	28.7	291.9
310.	11.7	-20.9	-4.6	21.5	257.6
320.	11.2	-11.0	-17.7	20.8	211.7
330.	11.1	10.8	-22.1	24.6	153.8
340.	10.9	30.2	-15.8	34.1	117.7
350.	10.8	33.6	-10.8	35.3	107.8
360.	10.7	34.0	-12.3	36.1	109.8
370.	10.6	34.3	-13.7	36.9	111.8
380.	10.5	35.2	-16.6	38.9	115.3
390.	10.3	33.6	-15.1	36.8	114.2
400.	9.9	34.0	-14.4	36.9	113.0
410.	9.6	32.0	-13.9	34.9	113.5
420.	9.4	25.3	-12.9	28.4	117.1
430.	9.4	16.4	-13.5	21.2	129.6
440.	9.3	10.0	-12.3	15.9	140.7
450.	9.3	9.0	-10.7	14.0	139.8
460.	9.3	7.9	-10.6	13.2	143.3
470.	9.2	5.4	-9.3	10.7	149.9
480.	9.3	0.9	-9.4	9.4	174.2
490.	9.2	-1.9	-9.1	9.3	192.1
500.	9.2	-0.4	-7.5	7.5	182.8
510.	9.2	-1.1	-7.0	7.0	188.6
520.	9.2	-1.1	-6.2	6.3	190.5
530.	9.2	-0.4	-6.6	6.6	183.9
540.	9.2	0.0	-6.6	6.6	180.0
550.	9.2	1.5	-6.0	6.2	166.1
560.	9.2	0.8	-5.3	5.4	171.4
570.	9.2	0.9	-6.4	6.5	171.7
580.	9.2	-0.4	-7.3	7.3	183.4
590.	9.2	-1.7	-8.3	8.5	191.4
600.	9.1	-3.0	-12.2	12.6	193.9
610.	9.0	-3.9	-15.4	15.9	194.3
620.	9.0	-7.1	-18.8	20.1	200.6
630.	8.9	-5.4	-18.4	19.2	196.2
640.	8.8	-6.7	-17.8	19.0	200.5
650.	8.7	-5.0	-19.9	20.6	194.0
660.	8.6	-4.3	-20.5	20.9	191.7
670.	8.5	-6.3	-21.4	22.3	196.5
680.	8.4	-3.6	-19.0	19.3	190.7
690.	8.4	-6.6	-19.1	20.2	199.0
700.	8.3	-4.9	-18.6	19.2	194.9
710.	8.1	-4.0	-17.4	17.9	193.0
720.	8.1	-2.0	-17.2	17.3	186.7
730.	8.1	-2.0	-17.0	17.1	186.8

DISCOVERY 102 STN 10068						DISCOVERY 102 STN 10069					
PRESS	TEMP	EAST	NORTH	SPEED	DGC	PRESS	TEMP	EAST	NORTH	SPEED	DGC
10.		11.8	-19.2	22.6	148.4	0.		-487.3	-505.5	702.2	224.0
20.	3.9	-47.3	47.5	175.3		10.	15.4	-26.1	-26.1	30.3	149.4
30.	3.5	-64.2	64.3	176.9		20.	23.8	-19.1	-19.1	30.5	128.7
40.	4.8	-92.7	92.9	177.0		30.	17.6	-31.1	-31.1	30.8	150.4
50.	-4.1	-84.6	84.7	182.8		40.	9.6	-73.9	-73.9	74.5	172.6
60.	-11.3	-75.3	76.1	188.6		50.	1.8	-99.9	-99.9	79.9	179.0
70.	-13.0	-63.0	64.3	191.7		60.	-23.4	-75.8	-75.8	79.3	197.1
80.	-28.6	-28.4	40.3	225.2		70.	-40.6	-77.4	-77.4	87.4	207.7
90.	-35.7	3.7	35.9	275.9		80.	-53.4	-44.5	-44.5	69.5	230.2
100.	-34.8	10.0	36.2	286.0		90.	-58.2	-4.1	-4.1	58.3	266.0
110.	-27.7	8.1	28.9	286.3		100.	-59.7	14.9	14.9	61.5	284.0
120.	-10.1	3.1	10.6	286.8		110.	-47.1	15.3	15.3	49.5	288.0
130.	0.8	-0.7	1.1	132.8		120.	-35.5	-6.4	-6.4	36.1	259.9
140.	1.5	-3.2	3.5	155.1		130.	-37.4	-39.4	-39.4	54.3	223.5
150.	-2.3	0.4	2.3	280.5		140.	-32.8	-44.2	-44.2	55.0	216.6
160.	-9.8	6.8	11.9	304.9		150.	-14.1	-21.8	-21.8	26.0	212.8
170.	-17.7	8.6	19.7	296.0		160.	-7.3	1.7	1.7	7.5	283.3
180.	-13.8	8.7	16.3	302.2		170.	-12.4	8.2	8.2	14.9	303.7
190.	-16.3	7.1	17.7	293.6		180.	-20.7	7.7	7.7	22.1	290.4
200.	-16.8	8.2	18.7	296.0		190.	-31.2	-1.4	-1.4	31.2	267.5
210.	-20.3	8.5	22.1	292.7		200.	-33.0	-32.9	-32.9	34.9	228.0
220.	-18.0	9.6	20.4	298.1		210.	-25.2	-24.1	-24.1	34.9	226.3
230.	-12.3	9.9	15.8	308.8		220.	-13.9	9.4	9.4	16.8	304.1
240.	-12.6	10.1	15.7	310.1		230.	-40.8	28.1	28.1	38.9	310.0
250.	-9.0	8.7	12.5	313.8		240.	-29.8	25.0	25.0	30.6	304.6
260.	-4.2	7.3	8.4	330.0		250.	-48.6	21.4	21.4	53.1	293.7
270.	-3.0	7.5	8.1	338.3		260.	-58.1	10.6	10.6	59.0	280.3
280.	0.9	7.8	7.9	6.6		270.	-59.9	7.7	7.7	60.4	277.4
290.	-0.3	7.8	7.8	358.0		280.	-60.8	-2.2	-2.2	60.8	267.9
300.	0.9	8.0	8.1	6.2		290.	-57.8	-8.2	-8.2	58.3	262.0
310.	2.4	7.5	7.9	17.7		300.	-48.2	-13.0	-13.0	49.9	255.0
320.	8.0	6.7	10.4	50.0		310.	-37.4	-17.7	-17.7	41.3	244.7
330.	8.7	5.9	10.5	53.7		320.	-27.4	-20.3	-20.3	34.1	223.1
340.	11.3	4.5	13.8	71.1		330.	-18.8	-21.3	-21.3	23.4	204.6
350.	11.2	13.1	13.6	75.0		340.	-9.7	-21.3	-21.3	23.4	188.0
360.	11.0	2.6	12.5	78.2		350.	-3.0	-21.1	-21.1	19.8	186.4
370.	10.9	13.3	13.6	81.5		360.	-2.2	-19.7	-19.7	15.2	175.7
380.	10.8	13.6	11.8	85.8		370.	-0.8	-17.5	-17.5	15.2	161.4
390.	10.5	11.8	93.6	93.6		380.	1.1	-15.1	-15.1	12.7	157.3
400.	10.2	5.8	-2.0	109.1		390.	4.0	-12.1	-12.1	8.5	182.7
410.	9.9	-1.0	1.7	214.5		400.	10.7	-7.8	-7.8	8.5	182.1
420.	9.7	-3.4	4.4	231.4		410.	10.3	-3.3	-3.3	8.2	182.1
430.	9.6	-8.8	8.9	260.7		420.	-0.3	-8.1	-8.1	9.7	190.7
440.	9.5	-10.2	10.3	273.0		430.	-1.8	-9.6	-9.6	8.3	194.3
450.	9.5	-13.9	13.9	274.0		440.	0.9	-3.9	-3.9	4.0	166.4
460.	9.5	-16.2	16.3	277.8		450.	0.2	-0.6	-0.6	0.6	157.7
470.	9.4	-14.3	14.8	285.8		460.	-4.9	0.9	0.9	5.0	280.3
480.	9.3	-13.3	13.8	285.4		470.	-8.3	1.3	1.3	8.4	278.7
490.	9.3	-12.8	13.1	281.0		480.	-11.3	-0.7	-0.7	11.4	266.5
500.	9.3	-19.9	19.9	272.4		490.	-17.9	-2.5	-2.5	17.9	269.0
510.	9.3	-19.4	19.4	274.9		500.	-17.6	2.5	2.5	17.8	278.2
520.	9.3	-18.2	18.2	270.2		510.	-17.9	3.6	3.6	26.8	277.8
530.	9.2	-15.0	15.0	271.0		520.	-34.5	7.1	7.1	35.2	281.7
540.	9.2	-14.3	14.4	276.8		530.	-38.4	5.4	5.4	38.8	278.1
550.	9.2	-14.9	14.9	275.5		540.	-44.9	1.6	1.6	44.9	272.0
560.	9.2	-14.3	14.3	266.6		550.	-54.2	-3.7	-3.7	54.4	266.1
570.	9.2	-14.6	14.7	263.6		560.	-58.7	-9.4	-9.4	59.4	260.9
580.	9.2	-15.1	15.2	263.0		570.	-58.7	-13.4	-13.4	60.2	257.1
590.	9.2	-14.6	15.0	255.6		580.	-60.7	-10.7	-10.7	61.7	267.5
600.	9.2	-17.4	18.2	253.3		590.	-55.9	-2.4	-2.4	56.0	267.5
610.	9.2	-20.8	21.7	253.1		600.	-49.2	7.2	7.2	49.8	278.3
620.	9.1	-22.1	24.1	246.4		610.	-48.6	10.6	10.6	49.7	282.3
630.	8.9	-22.2	24.4	245.3		620.	-48.6	9.1	9.1	50.6	280.4
640.	8.8	-24.4	26.4	247.7		630.	-48.5	2.4	2.4	48.5	272.9
650.	8.8	-23.0	24.6	249.0		640.	-46.7	-7.0	-7.0	47.2	261.5
660.	8.7	-22.7	25.0	245.4		650.	-38.2	-13.2	-13.2	40.4	251.0
670.	8.6	-23.1	26.5	240.6		660.	-31.7	-14.8	-14.8	35.0	245.0
680.	8.6	-21.1	23.7	238.7		670.	-21.0	-11.4	-11.4	23.9	241.5
690.	8.5	-20.8	24.3	241.3		680.	-11.7	-8.8	-8.8	15.6	235.7
700.	8.2	-386.5	543.8	225.3		690.	-10.6	-6.6	-6.6	13.1	242.9
						700.				12.5	238.0

DISCOVERY 102 STN 10070

DISCOVERY 102 STN 10071

PRESS	TEMP	EAST	NORTH	SPEED	DEG
0.		-43.5	37.6	57.5	310.8
10.		-51.3	33.2	61.2	302.9
20.		-50.3	36.3	62.0	305.8
30.		-48.1	32.0	57.8	303.7
40.		-34.0	10.3	35.6	286.8
50.		-44.2	-48.2	65.4	222.5
60.		-37.4	-79.3	87.6	205.2
70.		-41.6	-78.8	89.1	207.8
80.		-35.0	-65.4	74.2	208.2
90.		-42.0	-40.8	58.6	225.8
100.	20.7	-47.7	-12.1	49.2	255.7
110.	19.6	-51.2	5.2	51.5	275.8
120.	17.2	-34.6	-3.6	34.8	264.1
130.	16.0	-26.2	-10.9	28.4	247.3
140.	15.9	-25.7	-13.6	29.1	242.1
150.	15.8	-32.8	-20.0	38.4	238.6
160.	15.4	-49.2	-27.0	56.1	241.3
170.	14.7	-47.3	-26.2	54.1	241.0
180.	14.1	-39.3	-22.3	45.2	240.4
190.	13.7	-42.5	-18.9	46.6	246.0
200.	13.5	-41.6	-17.2	45.0	247.5
210.	13.3	-40.6	-18.8	44.7	245.2
220.	13.1	-39.5	-20.3	44.4	242.8
230.	12.8	-40.1	-26.2	47.9	236.9
240.	12.6	-42.0	-28.7	50.9	235.7
250.	12.5	-42.6	-26.5	50.2	238.1
260.	12.2	-46.4	-19.4	50.3	247.4
270.	11.8	-45.6	-12.7	47.4	254.4
280.	11.7	-38.4	-11.2	40.0	253.7
290.	11.6	-37.9	-9.8	39.2	255.6
300.	11.5	-37.5	-8.4	38.4	257.4
310.	11.5	-36.5	-6.0	37.0	260.7
320.	11.4	-32.7	-5.2	33.1	261.0
330.	11.4	-27.5	-5.9	28.1	257.9
340.	11.2	-27.8	-4.7	28.2	260.4
350.	11.1	-27.1	-2.7	27.2	264.4
360.	10.8	-19.1	-2.1	19.2	263.6
370.	10.6	-12.5	-3.7	13.0	253.4
380.	10.5	-14.9	-1.6	15.0	264.0
390.	10.5	-17.4	-0.4	17.5	268.7
400.	10.3	-20.3	-1.6	20.4	265.5
410.	10.2	-25.6	-2.9	25.8	263.6
420.	10.2	-26.3	-4.7	26.7	259.8
430.	10.1	-28.3	-6.7	29.1	256.6
440.	10.0	-29.6	-7.8	30.6	255.3
450.	10.0	-31.2	-8.1	32.3	255.5
460.	10.0	-33.1	-7.4	33.9	257.4
470.	9.9	-35.4	-6.2	36.0	260.1
480.	9.7	-41.0	-5.6	41.3	262.2
490.	9.6	-42.3	-5.0	42.6	263.2
500.	9.6	-42.0	-4.8	42.2	263.5
510.	9.5	-36.0	-6.6	36.6	259.5
520.	9.5	-33.8	-8.2	34.8	256.3
530.	9.5	-29.6	-7.5	30.5	255.7
540.	9.4	-30.7	-4.7	31.0	261.3
550.	9.4	-31.7	-4.4	32.0	262.1
560.	9.4	-28.6	-1.9	28.6	266.3
570.	9.4	-25.5	0.6	25.5	271.4
580.	9.4	-25.4	-3.1	25.5	263.0
590.	9.4	-28.2	-4.4	28.6	261.2
600.	9.3	-34.9	-7.9	35.8	257.2
610.	9.2	-34.0	-11.3	35.9	251.6
620.	9.1	-33.7	-9.7	35.0	253.9
630.	9.1	-38.3	-9.7	39.5	255.9
640.	9.0	-36.5	-10.9	38.1	253.4
650.	9.0	-50.0	-27.8	57.2	240.9
660.	9.0	-55.9	-29.2	63.0	242.4
670.	8.8	-55.5	-23.3	60.2	247.2
680.	8.8	-55.3	-14.9	57.3	254.9
690.	8.8	-52.1	-6.4	52.5	263.0
700.	8.7	-48.9	1.3	48.9	271.5
710.	8.6	-45.9	10.0	47.0	282.3
720.	8.6	-39.7	17.0	43.2	293.1
730.	8.6	-38.7	17.8	42.6	294.7

PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.		39.1	21.7	44.8	60.9
20.		35.2	29.3	45.8	50.2
30.		48.6	29.1	56.7	59.1
40.		63.9	-18.4	66.5	106.1
50.		57.3	-64.4	86.2	138.3
60.		27.3	-85.7	89.9	162.3
70.		27.8	-73.5	78.6	159.3
80.		-0.0	-63.7	63.7	180.0
90.		-9.1	-40.2	44.5	205.4
100.	20.6	-2.7	-11.1	11.5	193.5
110.	19.6	-13.8	18.5	23.1	323.3
120.	17.9	-0.9	15.8	15.8	356.8
130.	16.6	3.6	-0.7	3.7	101.4
140.	16.2	-18.8	-2.5	18.9	262.3
150.	15.5	-35.4	-8.5	36.4	256.5
160.	14.6	-35.6	-15.7	38.9	246.2
170.	14.0	-29.2	-8.9	30.5	253.1
180.	13.6	-25.0	-1.4	25.1	266.8
190.	13.5	-20.7	0.0	20.7	270.0
200.	13.3	-25.0	2.4	25.1	275.4
210.	12.8	-24.3	3.5	24.5	278.3
220.	12.6	-18.6	-3.2	18.9	260.1
230.	12.5	-15.5	-1.1	15.6	266.1
240.	12.4	-15.1	5.6	16.1	290.3
250.	12.1	-21.7	14.5	26.1	303.9
260.	11.8	-22.1	16.2	27.4	306.3
270.	11.7	-22.3	11.9	25.2	298.0
280.	11.6	-21.2	8.9	23.0	292.9
290.	11.5	-22.3	9.2	24.2	292.4
300.	11.4	-19.8	10.4	22.3	297.9
310.	11.3	-15.6	11.0	19.1	305.1
320.	11.1	-16.9	13.6	21.7	308.9
330.	11.0	-13.7	9.0	16.3	303.3
340.	11.0	-8.6	3.8	9.4	293.8
350.	10.8	-4.7	2.5	5.3	297.9
360.	10.7	4.3	1.6	4.6	69.3
370.	10.6	7.2	4.0	8.2	61.1
380.	10.4	5.8	6.3	8.6	42.8
390.	10.3	3.8	1.8	4.2	63.9
400.	10.3	5.9	-3.7	7.0	122.0
410.	10.2	4.0	-2.1	4.5	118.4
420.	10.0	9.1	3.0	9.6	71.7
430.	10.1	7.9	9.0	12.0	41.4
440.	10.0	1.0	12.4	12.5	4.6
450.	9.8	-4.9	13.5	14.4	339.9
460.	9.6	-9.0	12.2	15.2	323.5
470.	9.5	-9.9	10.7	14.6	317.4
480.	9.5	-8.7	7.2	11.3	309.6
490.	9.5	-11.4	4.4	12.2	291.3
500.	9.5	-16.5	1.2	16.5	274.2
510.	9.5	-24.6	-2.8	24.8	263.4
520.	9.5	-26.4	-6.7	27.3	255.7
530.	9.5	-22.9	-3.3	23.1	261.8
540.	9.4	-14.7	0.2	14.7	270.6
550.	9.4	-12.9	5.7	14.2	293.9
560.	9.4	-19.3	7.4	20.7	290.8
570.	9.4	-30.9	2.7	31.1	275.0
580.	9.4	-36.8	-0.2	36.8	269.7
590.	9.2	-35.5	0.4	35.5	270.7
600.	9.2	-30.2	1.3	30.2	272.5
610.	9.2	-26.6	3.9	26.9	278.4
620.	9.2	-23.7	3.3	23.9	277.9
630.	9.1	-17.9	8.5	19.8	295.4
640.	9.0	-23.0	9.3	24.8	291.9
650.	8.9	-21.8	7.2	23.0	288.3
660.	8.9	-27.4	1.1	27.4	272.4
670.	8.8	-28.6	-4.0	28.9	262.1
680.	8.7	-21.3	-2.8	21.5	262.6
690.	8.7	-12.8	0.1	12.8	270.3
700.	8.6	-10.5	4.1	11.3	291.5
710.	8.5	-7.5	6.7	10.0	311.9
720.	8.4	-8.3	5.3	9.9	302.7

DISCOVERY 102 STN 10072

DISCOVERY 102 STN 10073

PRESS	TEMP	EAST	NORTH	SPEED	DFG
10.		65.8	16.9	67.9	75.6
20.		56.2	23.9	61.1	66.9
30.		61.1	14.6	62.8	76.6
40.		59.9	-5.2	60.1	95.0
50.		46.5	-40.2	61.4	130.8
60.		21.4	-68.4	71.6	162.6
70.		9.1	-60.7	61.4	171.5
80.		-8.1	-55.1	55.7	188.4
90.	20.9	-34.1	-41.0	53.3	219.8
100.	19.5	-29.6	2.8	29.7	275.3
110.	18.3	-24.0	7.6	25.2	287.7
120.	17.2	-33.5	-8.4	34.5	255.9
130.	16.5	-59.5	-13.8	61.1	256.9
140.	15.6	-73.4	-11.0	74.2	261.5
150.	15.3	-73.3	-4.7	73.5	266.3
160.	14.7	-63.6	-2.1	63.6	268.1
170.	14.3	-58.9	1.2	58.9	271.2
180.	14.0	-55.9	2.9	56.0	272.9
190.	13.8	-55.6	1.9	55.6	272.0
200.	13.5	-55.6	5.3	55.9	275.4
210.	12.9	-45.0	-0.5	45.0	269.4
220.	12.7	-39.0	0.7	39.0	271.0
230.	12.5	-27.8	12.8	30.7	294.8
240.	12.4	-17.2	18.3	25.1	316.7
250.	12.2	-13.6	24.7	28.2	331.2
260.	12.1	-7.6	28.0	29.0	344.8
270.	12.0	-7.8	28.0	29.0	344.3
280.	11.8	-13.1	19.3	23.3	325.8
290.	11.6	-15.5	13.8	20.8	311.6
300.	11.5	-21.5	4.2	21.9	281.0
310.	11.4	-29.0	-4.2	29.3	261.7
320.	11.4	-35.8	-7.5	36.5	258.2
330.	11.3	-41.0	-10.5	42.4	255.6
340.	11.2	-40.3	-4.8	40.6	263.2
350.	11.2	-30.3	6.8	31.1	282.7
360.	11.2	-22.5	12.8	25.9	299.7
370.	11.2	-16.1	16.5	23.1	315.8
380.	11.2	-19.6	19.1	27.3	314.2
390.	11.1	-22.8	20.4	30.6	311.8
400.	11.0	-28.2	15.4	32.1	298.6
410.	10.9	-29.4	13.6	32.4	294.7
420.	10.8	-31.3	9.0	32.6	286.0
430.	10.5	-27.9	6.8	28.7	283.8
440.	10.4	-13.4	12.5	18.3	313.1
450.	10.3	-1.9	16.9	17.0	353.5
460.	10.3	6.9	21.5	22.6	17.9
470.	10.3	6.5	27.0	27.8	13.5
480.	10.2	2.1	32.5	32.6	3.7
490.	9.8	-7.8	34.7	35.6	347.3
500.	9.6	-14.7	30.8	34.1	334.5
510.	9.5	-20.3	24.3	31.7	320.1
520.	9.5	-27.4	16.5	32.0	301.0
530.	9.5	-30.8	11.1	32.8	289.9
540.	9.5	-28.9	9.4	30.4	288.0
550.	9.5	-18.2	12.3	22.0	304.1
560.	9.4	-16.9	13.8	21.8	309.1
570.	9.4	-12.9	15.1	19.9	319.3
580.	9.4	-9.8	17.8	20.3	331.1
590.	9.4	-9.1	21.8	23.6	337.4
600.	9.3	-15.0	20.4	25.3	323.6
610.	9.3	-24.6	15.7	29.2	302.6
620.	9.4	-31.7	10.3	33.3	288.0
630.	9.6	-38.7	6.6	39.3	279.7
640.	9.6	-41.3	0.3	41.3	270.4
650.	9.6	-42.6	-7.4	43.2	260.2
660.	9.6	-43.3	-7.9	44.0	259.6

PRESS	TEMP	EAST	NORTH	SPEED	DFG
0.		128.4	28.0	131.4	77.7
10.		123.8	35.8	128.8	73.9
20.		125.0	24.8	127.4	78.8
30.		126.6	23.2	128.7	79.6
40.		124.4	7.7	124.7	86.4
50.		127.8	1.6	127.8	89.3
60.		110.6	-24.9	113.4	102.7
70.		73.6	-41.7	84.5	119.5
80.		40.4	-37.4	55.1	132.8
90.		25.7	-43.3	50.3	149.3
100.	20.7	-3.1	-36.5	36.7	184.9
110.	19.0	-9.3	2.8	9.7	287.1
120.	17.4	5.7	13.7	14.8	22.6
130.	16.4	-14.5	12.7	19.3	311.1
140.	15.6	-18.7	8.5	20.5	294.4
150.	15.3	-21.9	7.6	23.2	289.1
160.	15.0	-23.3	7.4	24.5	287.6
170.	14.5	-17.0	3.2	17.3	280.8
180.	14.1	-23.4	-4.3	23.8	259.7
190.	13.8	-26.2	-6.0	26.9	257.1
200.	13.5	-23.2	-13.3	26.8	240.2
210.	13.0	-18.7	-18.7	26.4	225.0
220.	12.7	-22.1	-16.2	27.4	233.7
230.	12.5	-18.5	-12.9	22.6	235.1
240.	12.3	-18.4	-16.5	24.7	228.2
250.	12.3	-17.2	-16.6	24.0	226.0
260.	12.2	-20.1	-17.0	26.3	229.7
270.	12.2	-19.5	-16.2	25.4	230.4
280.	12.1	-22.2	-16.4	27.6	233.7
290.	12.0	-18.9	-14.3	23.7	233.0
300.	11.7	-18.1	-14.0	22.9	232.2
310.	11.6	-20.3	-13.8	24.6	235.9
320.	11.6	-21.9	-15.1	26.6	235.4
330.	11.6	-21.3	-16.0	26.6	233.0
340.	11.5	-21.9	-13.5	25.7	238.4
350.	11.5	-20.9	-10.5	23.4	243.4
360.	11.3	-19.8	-10.8	22.6	241.3
370.	11.1	-18.8	-11.0	21.8	239.6
380.	11.0	-20.3	-7.5	21.7	249.9
390.	10.8	-18.4	-2.1	18.6	263.6
400.	10.5	-15.0	2.2	15.2	278.3
410.	10.3	-12.0	3.4	12.4	285.9
420.	10.2	1.2	12.2	12.3	5.7
430.	10.3	5.2	15.0	15.8	19.2
440.	10.2	6.6	19.5	20.6	18.8
450.	9.9	2.9	18.1	18.3	9.2
460.	9.6	-1.2	15.5	15.6	355.4
470.	9.5	-4.9	9.6	10.8	333.1
480.	9.5	-9.6	3.5	10.2	289.9
490.	9.5	-14.6	1.7	14.7	276.8
500.	9.5	-17.4	-1.6	17.5	264.7
510.	9.5	-17.5	-6.1	18.5	250.9
520.	9.4	-19.1	-7.9	20.6	247.4
530.	9.4	-19.0	-9.7	21.3	242.9
540.	9.4	-18.3	-9.6	20.6	242.2
550.	9.4	-14.1	-5.5	15.2	248.8
560.	9.4	-12.4	-3.4	12.9	254.8
570.	9.4	-10.8	-1.0	10.8	264.5
580.	9.3	-13.3	-0.2	13.3	269.1
590.	9.3	-19.5	-0.1	19.5	269.8
600.	9.3	-23.1	0.1	23.1	270.4
610.	9.3	-25.9	-1.1	26.0	267.6
620.	9.4	-32.1	-3.4	32.3	263.9
630.	9.4	-31.4	-1.6	31.4	267.1
640.	9.4	-30.0	-0.9	30.0	268.2
650.	9.3	-27.9	-0.4	27.9	269.2
660.	9.3	-21.9	-0.8	21.9	267.8
670.	9.2	-16.9	-4.7	17.5	254.5
680.	9.0	-20.0	-8.0	21.6	248.2
690.	8.8	-20.9	-11.2	23.7	241.8
700.	8.7	-25.1	-12.1	27.9	244.2
710.	8.7	-27.7	-13.2	30.7	244.6
720.	8.6	-28.3	-12.6	31.0	245.9

DISCOVERY 102 STN 10074

PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.		199.5	53.8	206.6	74.9
20.		152.1	22.8	153.8	81.5
30.		175.2	48.4	181.7	74.6
40.		176.9	21.3	178.2	83.1
50.		147.8	-16.4	148.7	96.3
60.		102.0	-21.6	104.3	101.9
70.		77.9	-24.3	81.6	107.3
80.	20.9	60.7	-1.6	60.7	91.5
90.	20.4	24.7	11.1	27.0	65.8
100.	19.5	3.8	15.0	15.5	14.0
110.	17.7	6.3	29.4	30.1	12.0
120.	16.6	-12.4	30.5	32.9	337.9
130.	15.8	-17.4	30.1	34.8	330.0
140.	15.3	-13.7	29.2	32.3	335.0
150.	14.9	-14.3	29.8	33.0	334.4
160.	14.4	-15.9	20.8	26.2	322.5
170.	14.0	-22.4	12.4	25.7	299.0
180.	13.5	-18.9	9.2	21.0	296.0
190.	13.2	-19.5	2.8	19.7	278.2
200.	13.0	-22.6	1.8	22.7	274.5
210.	12.8	-24.3	3.3	24.5	277.7
220.	12.7	-26.5	2.7	26.6	275.9
230.	12.5	-22.7	5.3	23.3	283.1
240.	12.3	-21.7	11.7	24.6	298.4
250.	12.2	-22.2	10.8	24.7	295.9
260.	12.2	-23.1	3.4	23.3	278.4
270.	12.1	-25.6	4.4	26.0	279.8
280.	12.0	-21.0	9.4	23.0	294.1
290.	11.8	-22.3	12.4	25.5	299.0
300.	11.7	-24.0	7.4	25.1	287.1
310.	11.6	-22.1	6.5	23.0	286.4
320.	11.5	-18.6	8.1	20.2	293.5
330.	11.4	-17.8	2.5	17.9	278.1
340.	11.3	-19.4	-10.3	21.9	241.9
350.	11.2	-16.9	-8.7	19.0	242.7
360.	11.1	-15.0	-1.7	15.1	263.5
370.	11.0	-13.4	-4.2	14.1	252.7
380.	10.9	-14.7	-1.9	14.8	262.5
390.	10.9	-17.5	8.5	19.5	295.8
400.	10.7	-20.2	15.7	25.6	307.9
410.	10.4	-20.4	11.0	23.2	298.3
420.	10.2	-18.1	4.3	18.6	283.5
430.	10.2	-6.0	4.5	7.5	307.2
440.	10.3	2.0	8.6	8.8	12.9
450.	10.2	2.5	13.6	13.8	10.5
460.	9.7	-1.1	13.1	13.2	355.3
470.	9.4	-6.5	8.4	10.6	322.2
480.	9.4	-8.8	6.1	10.8	304.8
490.	9.4	-12.4	6.4	13.9	297.4
500.	9.4	-15.8	6.0	16.9	290.7
510.	9.4	-16.8	4.3	17.3	284.4
520.	9.3	-16.7	1.9	16.8	276.6
530.	9.3	-16.8	0.1	16.8	270.2
540.	9.3	-15.2	-1.7	15.3	263.8
550.	9.3	-13.4	-2.0	13.6	261.7
560.	9.3	-11.7	-1.5	11.8	262.7
570.	9.3	-13.6	-2.8	13.8	258.3
580.	9.3	-14.0	0.4	14.0	271.8
590.	9.4	-19.4	4.8	20.0	284.0
600.	9.3	-21.8	5.1	22.4	283.2
610.	9.2	-20.8	2.8	20.9	277.7
620.	9.3	-17.2	1.4	17.2	274.6
630.	9.4	-15.5	-0.2	15.5	269.1
640.	9.3	-11.8	-0.9	11.8	265.8
650.	9.2	-13.2	-7.6	15.2	240.2
660.	8.9	-15.1	-6.3	16.4	247.4
670.	8.8	-12.6	-0.8	12.6	266.4
680.	8.7	-12.6	-0.9	12.6	266.1
690.	8.7	-13.0	-0.7	13.0	267.1
700.	8.7	-14.4	-0.3	14.4	268.7

DISCOVERY 102 STN 10075

PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.		225.4	83.2	240.3	69.7
20.		227.9	84.9	243.2	69.6
30.		197.6	65.0	208.0	71.8
40.		212.1	84.7	228.4	68.2
50.		210.1	51.0	216.2	76.3
60.		156.9	15.0	157.6	84.5
70.		108.9	9.0	109.2	85.3
80.	20.3	80.9	14.6	82.3	79.8
90.	19.3	54.8	24.2	59.9	66.2
100.	18.6	32.6	25.4	41.4	52.1
110.	16.8	1.3	37.4	37.4	2.0
120.	15.8	-12.0	27.9	30.4	336.7
130.	15.2	-20.6	24.2	31.8	319.6
140.	14.9	-17.8	23.8	29.8	323.2
150.	14.4	-18.6	14.8	23.7	308.5
160.	14.2	-21.7	10.1	23.9	294.9
170.	13.8	-27.9	6.5	28.6	283.2
180.	13.4	-21.1	5.1	21.7	283.6
190.	13.3	-17.6	3.7	18.0	281.8
200.	13.2	-19.4	9.6	21.7	296.3
210.	13.1	-15.6	14.2	21.1	312.4
220.	12.8	-9.3	17.7	20.0	332.3
230.	12.5	-4.6	22.1	22.5	348.3
240.	12.3	-2.0	22.1	22.2	354.9
250.	12.2	-6.5	16.7	17.9	338.9
260.	12.2	-10.5	15.1	18.4	325.2
270.	12.1	-10.1	11.8	15.6	319.5
280.	12.0	-11.3	10.1	15.1	311.9
290.	11.9	-11.1	10.6	15.3	313.6
300.	11.8	-9.2	9.6	13.3	316.4
310.	11.7	-7.9	9.6	12.4	320.7
320.	11.5	-6.5	11.6	13.3	330.8
330.	11.5	-9.4	12.9	15.9	323.9
340.	11.5	-11.3	9.4	14.7	309.8
350.	11.4	-12.6	1.2	12.7	275.3
360.	11.3	-11.6	1.4	11.7	276.9
370.	11.2	-7.7	7.7	10.9	314.9
380.	11.1	-3.3	11.0	11.5	343.3
390.	11.0	5.0	17.4	18.1	16.1
400.	10.9	2.4	24.3	24.4	5.7
410.	10.8	-11.1	20.3	23.2	331.3
420.	10.9	-15.2	15.2	21.5	314.9
430.	10.6	-19.8	13.0	23.7	303.3
440.	10.6	-20.8	5.9	21.6	285.8
450.	10.7	-19.0	0.8	19.1	272.5
460.	10.6	-12.3	2.2	12.5	280.4
470.	10.4	-0.8	9.5	9.5	355.1
480.	10.2	12.8	14.1	19.0	42.2
490.	9.9	21.3	23.7	31.8	41.9
500.	9.6	24.6	26.7	36.4	42.6
510.	9.4	22.0	22.4	31.4	44.5
520.	9.3	17.0	15.7	23.1	47.4
530.	9.2	7.8	11.3	13.7	34.7
540.	9.2	-4.8	9.9	11.0	334.2
550.	9.2	-8.3	14.0	16.3	329.5
560.	9.2	0.9	26.3	26.4	2.0
570.	9.2	13.0	31.0	33.6	22.7
580.	9.1	10.5	24.9	27.0	22.8
590.	9.1	4.1	15.1	15.6	15.3
600.	9.1	-1.4	5.9	6.0	346.9
610.	9.0	-7.9	-1.1	7.9	262.1
620.	9.0	-5.8	-2.8	6.5	244.2
630.	8.9	-3.8	-1.5	4.1	248.3
640.	8.8	0.0	-1.9	1.9	179.4
650.	8.8	2.7	0.1	2.7	88.2
660.	8.8	4.6	0.3	4.6	86.7
670.	8.8	6.3	1.3	6.4	78.0
680.	8.8	7.5	-1.3	7.6	100.1
690.	8.8	4.5	-0.9	4.5	101.0
700.	8.8	3.0	-1.1	3.2	109.7
710.	8.8	2.4	-2.2	3.3	133.4
720.	8.8	3.7	-3.5	5.1	133.7

DISCOVERY 102 STN 10076						DISCOVERY 102 STN 10077					
PRESS	TEMP	EAST	NORTH	SPEED	DFG	PRESS	TEMP	EAST	NORTH	SPEED	DFG
10.		253.7	92.6	270.0	69.9	10.		344.6	195.0	396.0	60.5
20.		249.7	108.9	272.4	66.4	20.		259.1	159.4	304.2	58.4
30.		253.3	106.0	274.6	67.3	30.		238.0	135.2	273.7	60.4
40.		245.7	86.1	260.3	70.7	40.	20.8	193.4	122.8	229.1	57.6
50.		191.6	55.1	199.3	74.0	50.	19.0	139.5	72.0	157.0	62.7
60.	20.2	133.7	43.9	140.7	71.8	60.	16.8	79.1	56.0	96.9	54.7
70.	19.3	99.4	46.5	109.8	64.9	70.	15.1	33.4	43.0	54.4	37.8
80.	18.1	72.4	49.0	87.4	55.9	80.	14.6	29.8	50.0	58.2	30.8
90.	16.8	48.4	46.3	66.9	46.3	90.	14.3	31.2	48.1	57.3	32.9
100.	15.7	7.3	56.7	57.2	7.3	100.	13.9	35.5	43.6	56.2	39.2
110.	15.2	0.2	50.0	50.0	0.3	110.	13.8	39.1	52.4	65.4	36.7
120.	15.1	-23.5	42.0	48.1	330.7	120.	13.6	34.0	56.1	65.6	31.2
130.	14.9	-16.3	31.7	35.6	332.8	130.	13.3	30.0	54.1	61.9	29.0
140.	14.6	-6.8	29.2	30.0	346.9	140.	13.1	22.7	36.9	43.3	31.6
150.	14.2	1.2	27.7	27.7	2.4	150.	13.1	18.1	34.1	38.6	27.9
160.	13.8	-5.6	24.3	25.0	347.1	160.	13.0	16.4	26.9	31.5	31.4
170.	13.5	2.6	11.8	12.1	12.4	170.	12.8	9.9	20.4	22.7	26.0
180.	13.3	6.3	11.9	13.5	27.7	180.	12.6	9.9	19.7	22.1	26.5
190.	12.9	10.1	12.6	16.2	38.9	190.	12.5	14.3	19.7	24.4	36.0
200.	12.5	12.4	9.8	15.8	51.7	200.	12.4	18.8	20.9	28.1	42.0
210.	12.3	21.2	4.8	21.8	77.4	210.	12.3	20.0	21.9	29.7	42.3
220.	12.1	27.0	8.7	28.3	72.1	220.	12.2	22.6	24.3	33.1	42.9
230.	11.9	30.3	15.2	33.9	63.4	230.	12.1	26.5	28.9	39.2	42.5
240.	11.8	36.9	26.2	45.3	54.6	240.	11.9	28.7	33.8	44.3	40.4
250.	11.8	37.5	26.6	46.0	54.6	250.	11.7	24.0	34.4	41.9	34.9
260.	11.8	33.2	27.8	43.4	50.1	260.	11.5	15.6	30.8	34.6	26.9
270.	11.7	25.9	26.2	36.8	44.6	270.	11.5	13.9	24.3	28.0	29.9
280.	11.7	14.9	16.8	22.4	41.6	280.	11.4	17.3	21.7	27.8	38.5
290.	11.6	5.2	5.9	7.9	41.0	290.	11.3	18.6	20.6	27.7	42.1
300.	11.4	-0.1	-0.5	0.5	189.2	300.	11.3	19.0	20.9	28.3	42.3
310.	11.4	1.7	0.8	1.9	65.6	310.	11.3	18.7	22.8	29.5	39.4
320.	11.3	5.4	0.3	5.4	87.3	320.	11.2	15.3	26.2	30.4	30.3
330.	11.3	8.7	5.5	10.3	57.6	330.	11.1	14.1	27.5	30.9	27.1
340.	11.2	12.4	8.4	15.0	55.7	340.	11.0	13.7	27.7	30.9	26.4
350.	11.0	11.2	8.8	14.2	51.9	350.	11.0	16.8	29.6	34.0	29.6
360.	10.9	15.0	5.8	16.1	69.0	360.	10.9	17.9	32.4	37.0	28.9
370.	10.8	16.9	5.6	17.8	71.5	370.	10.7	14.4	36.0	38.8	21.8
380.	10.8	19.4	2.0	19.5	84.0	380.	10.6	13.5	36.1	38.6	20.5
390.	10.8	19.4	-3.8	19.8	101.0	390.	10.6	13.9	32.6	35.5	23.1
400.	10.8	20.0	-4.1	20.4	101.6	400.	10.8	13.9	29.6	32.7	25.2
410.	10.7	20.9	-3.1	21.1	98.3	410.	10.9	12.1	29.5	31.9	22.3
420.	10.8	20.6	0.1	20.6	89.7	420.	11.0	9.1	27.9	29.4	18.1
430.	10.9	21.0	2.4	21.2	83.4	430.	11.0	2.1	26.3	26.3	4.7
440.	10.9	21.7	1.8	21.7	85.3	440.	11.0	4.3	25.3	25.7	9.6
450.	10.8	21.5	0.8	21.5	87.9	450.	11.1	5.4	28.7	29.2	10.6
460.	10.6	20.0	2.6	20.2	82.5	460.	11.1	5.3	25.1	25.6	11.9
470.	10.4	20.0	3.9	20.3	79.0	470.	10.9	4.4	24.1	24.5	10.4
480.	10.1	19.4	4.4	19.9	77.3	480.	10.7	4.4	20.4	20.9	12.2
490.	9.9	22.3	5.3	22.9	76.6	490.	10.6	3.7	16.4	16.8	12.9
500.	9.5	25.3	6.2	26.0	76.2	500.	10.6	3.7	15.9	16.3	13.1
510.	9.3	25.7	4.6	26.1	79.8	510.	10.4	2.0	15.2	15.3	7.5
520.	9.3	28.0	6.4	28.7	77.1	520.	10.2	2.8	12.9	13.2	12.1
530.	9.3	27.1	8.6	28.4	72.4	530.	10.1	5.0	10.1	11.3	26.2
540.	9.3	28.0	8.6	29.2	72.9	540.	10.0	7.4	11.0	13.3	33.9
550.	9.2	28.1	6.8	28.9	76.5	550.	10.0	6.6	10.4	12.3	32.6
560.	9.2	28.2	4.0	28.5	81.8	560.	9.9	1.1	8.7	8.8	7.4
570.	9.1	26.1	2.9	26.3	83.8	570.	9.8	0.7	5.4	5.4	7.6
580.	9.0	23.4	2.8	23.5	83.1	580.	9.6	4.1	4.8	6.3	40.1
590.	9.0	22.8	2.5	23.0	83.6	590.	9.6	5.5	5.1	7.5	47.1
600.	9.0	23.3	3.1	23.5	82.4	600.	9.6	10.9	9.3	14.4	49.5
610.	8.9	25.3	4.7	25.7	79.4	610.	9.6	11.8	11.9	16.8	44.8
620.	8.9	26.2	5.2	26.7	78.7	620.	9.6	9.8	11.4	15.1	40.7
630.	8.9	25.4	3.7	25.6	81.7	630.	9.6	8.7	12.2	15.0	35.5
640.	8.9	26.6	4.1	26.9	81.2	640.	9.6	6.3	12.5	14.0	26.7
650.	8.9	24.8	4.2	25.2	80.5	650.	9.6	3.7	11.9	12.5	17.2
660.	8.9	27.0	5.2	27.5	79.1	660.	9.6	2.2	11.2	11.4	11.2
670.	8.9	29.7	4.9	30.1	80.6	670.	9.6	5.4	11.3	12.5	25.6
680.	9.1	31.7	4.2	32.0	82.5	680.	9.5	6.8	10.9	12.8	31.9
690.	9.2	34.4	1.9	34.4	86.9	690.	9.5	5.2	8.5	9.9	31.6
700.	9.1	39.2	1.3	39.2	88.1	700.	9.5	3.3	7.5	8.2	23.4
710.	9.1	45.6	-1.5	45.6	91.9	710.	9.5	5.8	7.6	9.5	37.3
						720.	9.5	6.0	8.4	10.3	35.8

DISCOVERY 102 STN 10078

DISCOVERY 102 STN 10079

PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.		234.7	162.4	285.4	55.3
20.	20.8	186.6	152.8	241.2	50.7
30.	18.9	118.0	92.1	149.7	52.0
40.	16.7	102.9	61.1	119.7	59.3
50.	14.6	53.0	36.6	64.4	55.4
60.	14.0	16.7	39.9	43.2	22.7
70.	13.8	13.5	34.4	36.9	21.4
80.	13.6	20.0	18.7	27.4	46.9
90.	13.6	30.8	5.4	31.3	80.1
100.	13.6	37.4	1.2	37.4	88.1
110.	13.6	40.2	5.8	40.6	81.9
120.	13.5	48.3	14.1	50.3	73.8
130.	13.3	55.6	32.2	64.2	59.9
140.	13.3	65.2	44.9	79.2	55.4
150.	13.2	61.2	45.2	76.0	53.6
160.	13.2	54.1	39.4	66.9	53.9
170.	13.2	52.9	36.7	64.4	55.2
180.	13.1	55.1	33.1	64.2	59.0
190.	12.9	57.1	27.5	63.4	64.3
200.	12.7	57.1	24.9	62.3	66.4
210.	12.4	56.4	15.3	58.5	74.8
220.	12.3	55.4	11.5	56.5	78.3
230.	12.1	52.7	11.3	53.9	77.9
240.	11.9	44.3	16.2	47.2	69.9
250.	11.8	38.1	19.2	42.7	63.3
260.	11.8	37.2	19.9	42.2	61.9
270.	11.7	34.6	23.1	41.6	56.2
280.	11.6	31.1	24.8	39.8	51.5
290.	11.5	27.1	20.9	34.2	52.3
300.	11.5	25.2	17.6	30.7	55.0
310.	11.5	23.2	16.9	28.7	54.0
320.	11.5	16.9	17.7	24.5	43.7
330.	11.4	13.6	16.7	21.6	39.2
340.	11.2	12.7	12.8	18.0	44.6
350.	11.2	12.7	13.7	18.7	42.8
360.	11.2	13.6	12.8	18.7	46.7
370.	11.2	15.4	8.6	17.6	60.8
380.	11.2	13.3	5.0	14.2	69.3
390.	10.9	8.3	4.8	9.6	60.1
400.	10.5	8.1	2.4	8.4	73.2
410.	10.5	7.2	3.8	8.1	62.3
420.	10.6	2.7	7.2	7.7	20.8
430.	10.5	0.7	8.5	8.5	4.7
440.	10.4	-0.2	7.3	7.3	358.5
450.	10.4	2.2	5.9	6.4	20.6
460.	10.3	3.7	5.3	6.4	34.9
470.	10.2	2.7	2.6	3.7	46.3
480.	10.2	0.3	2.1	2.2	7.7
490.	10.2	-2.0	0.8	2.1	292.9
500.	10.2	-4.0	0.7	4.1	279.9
510.	10.1	-3.5	-2.5	4.4	234.4
520.	9.9	-5.0	-1.6	5.3	252.3
530.	9.9	-5.5	-1.0	5.6	259.9
540.	9.9	-2.6	4.3	5.1	329.0
550.	9.9	-3.9	5.0	6.3	321.8
560.	9.8	-7.3	1.9	7.5	284.8
570.	9.8	-10.3	1.5	10.4	278.0
580.	9.7	-13.6	6.5	15.0	295.5
590.	9.8	-14.7	6.1	15.9	292.5
600.	9.8	-13.5	4.0	14.1	286.3
610.	9.8	-13.7	0.1	13.7	270.5
620.	9.8	-14.3	-3.6	14.7	256.0
630.	9.8	-7.8	0.3	7.8	272.4
640.	9.8	-9.4	3.9	10.1	292.5
650.	9.7	-13.6	3.3	14.0	283.6
660.	9.7	-19.6	-3.7	19.9	259.4
670.	9.7	-15.1	-1.8	15.2	263.2
680.	9.7	-10.0	4.6	11.0	294.5
690.	9.7	-7.2	9.4	11.8	322.8
700.	9.7	-8.4	7.5	11.2	311.8
710.	9.6	-8.5	7.2	11.1	310.2
720.	9.6	-8.5	8.2	11.8	314.2

PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.	27.2	-20.3	-14.0	24.7	235.5
20.	27.2	-32.4	-11.1	34.3	251.0
30.	27.2	-36.5	-10.9	38.0	253.4
40.	27.2	-31.3	-1.4	31.3	267.5
50.	27.3	-24.5	-1.2	24.6	267.3
60.	27.3	-20.8	-5.0	21.4	256.5
70.	27.2	-21.1	-12.5	24.5	239.4
80.	27.2	-30.6	-18.7	35.9	238.6
90.	26.7	-37.3	-17.2	41.1	245.2
100.	25.9	-36.4	-12.0	38.3	251.8
110.	23.6	-9.6	-9.6	13.5	224.9
120.	22.3	7.9	-6.6	10.3	129.8
130.	21.3	13.2	-1.8	13.4	97.7
140.	19.7	13.1	7.7	15.2	59.7
150.	18.7	26.6	4.0	26.9	81.4
160.	17.1	25.1	-0.5	25.1	91.1
170.	15.8	19.9	-3.5	20.2	99.9
180.	14.9	25.8	4.4	26.2	80.3
190.	14.3	27.3	8.3	28.5	73.1
200.	13.9	23.1	6.5	24.0	74.2
210.	13.5	24.1	6.3	24.9	75.3
220.	13.2	24.9	8.0	26.2	72.2
230.	12.9	29.3	12.9	32.0	66.2
240.	12.8	31.8	14.9	35.1	64.9
250.	12.7	30.6	14.1	33.7	65.2
260.	12.5	31.6	14.1	34.6	65.9
270.	12.5	36.3	16.0	39.7	66.1
280.	12.3	35.4	16.9	39.3	64.5
290.	12.3	34.4	14.3	37.3	67.5
300.	12.4	33.5	12.7	35.9	69.2
310.	12.2	34.7	11.4	36.5	71.8
320.	12.3	33.7	11.7	35.7	70.8
330.	12.1	32.4	9.7	33.8	73.3
340.	11.7	29.9	13.0	32.6	66.6
350.	11.6	29.8	12.4	32.3	67.4
360.	11.5	30.6	7.2	31.4	76.8
370.	11.3	31.9	0.6	31.9	88.9
380.	11.2	30.0	-1.9	30.1	93.6
390.	11.1	29.7	-3.0	29.9	95.7
400.	10.9	31.1	-3.7	31.3	96.8
410.	10.6	30.6	-1.6	30.6	93.0
420.	10.6	31.4	0.2	31.4	89.7
430.	10.7	31.0	2.0	31.1	86.3
440.	10.6	28.4	5.4	28.9	79.2
450.	10.4	30.3	6.8	31.0	77.3
460.	10.3	28.9	8.0	30.0	74.6
470.	10.3	30.2	8.7	31.4	73.8
480.	10.1	30.2	8.7	31.4	74.0
490.	10.1	30.8	9.5	32.3	72.9
500.	10.2	29.6	9.5	31.1	72.3
510.	10.2	29.5	9.8	31.1	71.6
520.	10.2	29.7	9.7	31.2	71.8
530.	10.1	30.7	7.2	31.6	76.7
540.	10.1	28.3	5.5	28.9	79.1
550.	10.2	23.7	3.5	23.9	81.7
560.	10.0	17.4	1.5	17.4	85.2
570.	9.8	10.5	0.0	10.5	89.8
580.	9.7	3.2	-0.4	3.3	97.5
590.	9.7	-3.5	-1.7	3.9	244.7
600.	9.6	-6.8	-3.9	7.8	239.8
610.	9.5	-8.7	-6.1	10.6	235.2
620.	9.4	-10.5	-6.0	12.1	240.2
630.	9.4	-11.3	-6.2	12.9	241.2
640.	9.5	-12.1	-6.5	13.7	241.6
650.	9.6	-13.5	-6.8	15.1	243.1
660.	9.7	-13.4	-6.8	15.0	243.1
670.	9.8	-13.5	-7.0	15.2	242.8
680.	9.9	-16.7	-6.1	17.8	250.1
690.	9.9	-14.8	-3.2	15.2	257.8
700.	10.0	-14.1	-1.0	14.1	266.1
710.	9.9	-14.6	0.8	14.6	273.3
720.	9.8	-15.6	0.2	15.6	270.6

DISCOVERY 102 STN 10080

PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.	27.4	-52.2	-5.3	52.5	264.2
20.	27.4	-58.7	4.5	58.9	274.4
30.	27.4	-61.2	15.3	63.1	284.1
40.	27.4	-60.2	25.4	65.4	292.8
50.	27.4	-67.1	27.0	72.3	291.9
60.	27.4	-68.0	21.7	71.3	287.7
70.	27.4	-66.3	19.3	69.0	286.2
80.	27.3	-68.7	13.9	70.1	281.4
90.	27.2	-74.6	7.4	75.0	275.7
100.	26.8	-76.4	14.8	77.9	281.0
110.	24.4	-51.1	16.5	53.7	287.9
120.	22.1	-21.3	-0.7	21.3	268.2
130.	21.0	-19.6	-9.4	21.7	244.5
140.	20.3	-12.3	-2.6	12.6	257.9
150.	18.7	-5.9	3.6	6.9	301.4
160.	17.1	-7.0	5.2	8.8	306.5
170.	16.3	-8.4	6.0	10.3	305.7
180.	15.5	-3.9	7.7	8.6	332.8
190.	15.1	1.3	18.2	18.3	4.0
200.	14.8	-2.8	23.3	23.5	353.1
210.	14.0	-3.8	28.6	28.8	352.4
220.	13.7	-1.8	28.4	28.5	356.4
230.	13.5	1.2	10.9	11.0	6.1
240.	13.2	1.8	-5.4	5.7	161.8
250.	12.7	-2.1	-12.6	12.8	189.5
260.	12.3	-3.1	-9.5	10.0	197.9
270.	12.1	-5.9	-4.0	7.2	235.6
280.	11.8	-5.7	0.1	5.7	271.3
290.	11.8	-3.8	-0.8	3.9	257.3
300.	11.7	-4.9	1.6	5.1	288.2
310.	11.7	-2.9	1.7	3.4	299.3
320.	11.9	-0.3	-2.3	2.3	187.9
330.	12.0	-0.8	-11.4	11.4	183.8
340.	11.7	-0.0	-18.4	18.4	180.1
350.	11.4	-1.3	-19.3	19.4	183.9
360.	11.3	-4.3	-11.5	12.2	200.4
370.	11.2	-4.1	-1.2	4.2	253.9
380.	10.7	-2.9	1.0	3.0	289.2
390.	10.6	-1.4	0.5	1.5	288.7
400.	10.6	3.3	4.8	5.8	34.4
410.	10.7	5.3	15.0	15.9	19.6
420.	10.6	7.2	20.9	22.1	19.0
430.	10.5	9.9	18.2	20.7	28.5
440.	10.1	10.3	4.8	11.4	65.1
450.	10.0	11.1	-3.3	11.6	106.8
460.	9.9	10.9	-9.3	14.3	130.7
470.	10.0	10.0	-8.5	13.1	130.3
480.	10.0	7.3	-2.2	7.6	106.7
490.	10.0	8.3	-4.1	9.2	116.2
500.	9.9	9.0	-4.6	10.1	116.9
510.	9.9	9.5	-4.4	10.5	114.8
520.	9.9	12.2	-7.8	14.5	122.6
530.	9.9	13.0	-10.0	16.4	127.6
540.	10.2	12.7	-8.0	15.0	122.0
550.	10.3	13.2	-4.6	13.9	109.1
560.	10.3	12.7	3.5	13.2	74.5
570.	9.9	13.5	3.4	14.0	75.8
580.	9.7	13.8	-3.1	14.1	102.5
590.	9.8	12.7	-13.0	18.2	135.6
600.	9.8	11.7	-19.0	22.3	148.4
610.	9.9	12.0	-19.2	22.6	148.0
620.	10.1	11.7	-15.5	19.4	143.0
630.	10.2	11.8	-8.8	14.7	126.8
640.	10.2	13.2	-1.5	13.3	96.3
650.	10.2	14.2	-3.2	14.5	102.9
660.	10.0	14.4	-10.9	18.0	127.1
670.	9.7	16.8	-13.3	21.4	128.4

DISCOVERY 102 STN 10081

PRESS	TEMP	EAST	NORTH	SPEED	DEG
0.	27.5	47.4	113.5	123.0	22.6
10.	27.5	25.7	130.2	132.7	11.1
20.	27.5	-19.2	103.4	105.2	349.5
30.	27.5	-28.0	83.7	88.3	341.5
40.	27.5	-39.5	63.4	74.7	328.1
50.	27.5	-47.3	50.3	69.1	316.8
60.	27.5	-53.0	39.2	65.9	306.5
70.	27.4	-66.1	31.5	73.2	295.5
80.	26.8	-75.5	46.1	88.5	301.4
90.	25.4	-48.9	56.7	74.8	319.2
100.	23.5	-23.3	24.2	33.6	316.1
110.	22.1	-14.9	3.4	15.3	283.0
120.	20.9	-4.3	13.8	14.5	342.6
130.	20.0	18.0	10.2	20.7	60.5
140.	19.1	26.7	11.6	29.1	66.6
150.	18.5	20.1	20.6	28.8	44.3
160.	17.5	11.8	12.0	16.9	44.6
170.	16.7	-0.3	-8.1	8.1	181.8
180.	16.4	5.5	-14.2	15.2	158.6
190.	15.9	20.5	1.3	20.5	86.4
200.	15.3	38.0	28.4	47.5	53.2
210.	14.6	40.6	36.6	54.7	48.0
220.	14.2	27.3	29.0	39.8	43.2
230.	13.5	15.8	24.5	29.2	32.8
240.	13.1	5.6	22.6	23.3	13.8
250.	12.9	-2.8	20.1	20.3	352.0
260.	12.7	-12.0	23.5	26.4	333.0
270.	12.5	-10.6	29.6	31.5	340.2
280.	12.4	-12.5	31.4	33.8	338.4
290.	12.2	-11.0	27.2	29.3	337.9
300.	12.0	-10.4	24.2	26.4	336.8
310.	11.6	-5.7	22.5	23.2	345.8
320.	11.4	-1.4	24.5	24.5	356.6
330.	11.3	-2.9	23.7	23.9	352.9
340.	11.3	-4.6	20.6	21.1	347.4
350.	11.3	-4.9	21.1	21.7	347.1
360.	11.3	-4.0	21.1	21.5	349.4
370.	11.3	-3.0	19.7	20.0	351.4
380.	11.2	5.6	21.7	22.4	14.4
390.	11.1	8.1	22.4	23.8	19.8
400.	11.0	-0.2	21.3	21.3	359.5
410.	11.0	-2.2	21.1	21.2	354.1
420.	10.9	-6.7	25.8	26.7	345.4
430.	10.8	-7.4	31.3	32.2	346.7
440.	10.8	-8.2	31.8	32.8	345.6
450.	10.8	-5.8	32.5	33.0	350.0
460.	11.0	-3.9	32.0	32.2	353.1
470.	11.0	-2.4	25.5	25.6	354.6
480.	10.9	1.4	21.2	21.2	3.8
490.	10.9	4.1	22.8	23.2	10.2
500.	10.9	9.2	26.8	28.3	19.1
510.	10.5	10.7	26.3	28.4	22.2
520.	10.5	10.2	24.0	26.1	23.1
530.	10.5	12.3	22.7	25.9	28.4
540.	10.4	13.9	21.2	25.3	33.2
550.	10.4	17.0	21.7	27.6	38.0
560.	10.3	16.6	21.9	27.5	37.2
570.	10.2	15.2	23.0	27.6	33.6
580.	10.2	16.3	23.5	28.6	34.8
590.	10.2	20.2	22.8	30.4	41.5
600.	10.4	17.1	21.2	27.2	38.9
610.	10.4	14.7	19.3	24.2	37.3
620.	10.2	12.2	15.6	19.8	38.0
630.	10.0	10.4	13.0	16.6	38.6

DISCOVERY 102 STN 10082

PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.	27.5	-94.7	108.7	144.2	318.9
20.	27.5	-101.9	106.2	147.2	316.2
30.	27.5	-99.5	115.8	152.7	319.3
40.	27.4	-117.8	105.9	158.3	312.0
50.	25.9	-120.5	96.0	154.0	308.6
60.	23.1	-75.1	53.7	92.3	305.5
70.	22.4	-69.4	43.3	81.8	302.0
80.	21.0	-60.1	46.4	75.9	307.7
90.	19.5	-47.1	23.1	52.4	296.2
100.	18.5	-34.1	18.7	38.9	298.7
110.	18.4	-31.0	26.4	40.7	310.4
120.	18.2	-32.7	27.4	42.6	309.9
130.	18.0	-29.0	28.3	40.6	314.3
140.	17.8	-28.1	16.6	32.6	300.5
150.	17.5	-33.0	-0.1	33.0	269.7
160.	17.4	-35.2	0.5	35.2	270.8
170.	17.1	-29.5	3.4	29.7	276.5
180.	16.5	-20.0	15.2	25.1	307.2
190.	16.1	-13.4	35.4	37.9	339.3
200.	15.5	0.6	46.8	46.8	0.7
210.	14.6	9.8	34.2	35.6	16.0
220.	14.4	8.6	26.2	27.6	18.1
230.	14.2	12.3	24.8	27.6	26.5
240.	13.9	7.7	21.0	22.3	20.1
250.	13.7	1.6	30.2	30.2	3.0
260.	13.6	-2.7	35.5	35.6	355.6
270.	13.3	-6.2	36.3	36.8	350.2
280.	13.0	-15.4	36.4	39.5	337.0
290.	12.9	-12.3	34.7	36.8	340.6
300.	12.7	-8.1	27.5	28.6	343.6
310.	12.4	-3.7	29.9	30.1	352.9
320.	12.2	-8.4	28.7	29.9	343.8
330.	12.3	-5.8	36.2	36.6	350.9
340.	12.4	-2.4	40.1	40.1	356.6
350.	12.4	-0.6	42.5	42.5	359.2
360.	12.4	-1.8	37.1	37.1	357.3
370.	12.4	-0.4	32.6	32.6	359.2
380.	12.3	4.3	35.1	35.4	6.9
390.	12.1	3.0	36.5	36.7	4.7
400.	11.9	1.3	37.0	37.0	2.0
410.	11.8	2.8	39.2	39.3	4.1
420.	11.7	-1.4	35.6	35.6	357.7
430.	11.6	-3.0	31.8	31.9	354.6
440.	11.5	-4.1	31.8	32.1	352.7
450.	11.4	-7.0	35.0	35.7	348.8
460.	11.3	-9.2	36.8	38.0	346.0
470.	11.2	-4.4	37.6	37.8	353.4
480.	11.2	-3.0	32.5	32.6	354.8
490.	11.2	-5.5	25.7	26.3	347.8
500.	11.1	-10.7	27.9	29.9	338.9
510.	11.0	-14.1	31.2	34.2	335.6
520.	11.0	-12.4	33.1	35.3	339.5
530.	10.9	-7.3	37.3	38.0	349.0
540.	10.9	-5.1	39.0	39.4	352.5
550.	10.7	-7.0	35.7	36.4	348.9
560.	10.6	-11.0	33.1	34.9	341.6
570.	10.6	-13.5	29.8	32.7	335.6
580.	10.6	-12.1	23.6	26.5	332.9
590.	10.6	-8.0	22.1	23.5	340.1
600.	10.6	-4.4	33.3	33.6	352.5
610.	10.6	-13.4	32.7	35.3	337.7
620.	10.5	-16.5	30.9	35.0	331.9
630.	10.4	-11.7	37.5	39.3	342.6
640.	10.4	-6.6	39.3	39.9	350.4
650.	10.3	-7.0	38.4	39.1	349.6
660.	10.1	-14.3	36.3	39.0	338.5
670.	10.0	-21.2	36.1	41.9	329.6
680.	9.9	-18.8	32.1	37.3	329.6
690.	9.8	-17.1	32.0	36.2	331.9
700.	9.7	-13.9	32.7	35.6	337.0
710.	9.8	-9.1	33.4	34.6	344.7
720.	9.8	-7.5	31.1	32.0	346.5

DISCOVERY 102 STN 10083

PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.	27.4	-51.4	154.9	163.2	341.6
20.	27.4	-93.6	136.9	165.8	325.6
30.	27.2	-96.2	118.6	152.7	320.9
40.	25.9	-95.3	97.2	136.1	315.6
50.	22.9	-71.0	53.9	89.1	307.2
60.	21.6	-65.7	47.4	81.0	305.8
70.	20.6	-59.0	45.2	74.3	307.5
80.	19.1	-44.3	31.4	54.3	305.3
90.	18.7	-30.6	38.6	49.2	321.5
100.	18.5	-33.3	26.6	42.7	308.6
110.	18.3	-33.5	15.1	36.7	294.3
120.	18.0	-31.0	21.7	37.9	305.0
130.	17.7	-20.9	38.1	43.5	331.3
140.	17.5	-18.4	36.7	41.1	333.3
150.	17.3	-18.5	23.2	29.7	321.5
160.	17.0	-10.2	26.5	28.4	338.9
170.	16.9	-17.4	32.1	36.5	331.6
180.	16.1	-8.7	25.6	27.0	341.2
190.	15.4	-7.8	10.1	12.8	322.4
200.	15.2	-15.0	2.5	15.2	279.6
210.	15.1	-25.5	-10.2	27.4	248.2
220.	14.6	-25.8	4.5	26.1	279.8
230.	14.2	-22.2	13.7	26.0	301.6
240.	14.0	-19.6	10.5	22.2	298.2
250.	13.7	-18.2	10.4	21.0	299.9
260.	13.6	-15.8	4.8	16.5	286.9
270.	13.3	-20.1	3.5	20.4	279.8
280.	13.1	-23.2	1.4	23.3	273.6
290.	13.0	-27.8	-3.4	28.0	263.0
300.	12.8	-29.3	-9.7	30.9	251.7
310.	12.6	-31.7	-9.1	33.0	254.0
320.	12.4	-31.0	-7.5	31.9	256.4
330.	12.3	-34.1	-9.2	35.4	254.9
340.	12.2	-31.8	-7.6	32.7	256.5
350.	12.3	-33.0	-7.7	33.9	256.8
360.	12.3	-33.6	-9.3	34.9	254.5
370.	12.2	-30.6	-10.0	32.2	252.0
380.	12.2	-26.2	-5.9	26.8	257.3
390.	12.1	-26.2	-6.0	26.9	257.0
400.	12.1	-30.7	-11.1	32.7	250.2
410.	12.1	-33.0	-15.0	36.3	245.5
420.	11.9	-29.4	-13.4	32.3	245.5
430.	11.9	-29.1	-11.4	31.2	248.5
440.	11.8	-29.5	-5.4	30.0	259.6
450.	11.7	-29.4	-5.2	29.8	259.9
460.	11.7	-30.7	-10.3	32.4	251.4
470.	11.6	-30.5	-10.8	32.4	250.6
480.	11.6	-31.9	-12.9	34.4	247.9
490.	11.5	-33.3	-14.5	36.3	246.5
500.	11.4	-33.5	-11.8	35.5	250.6
510.	11.3	-32.1	-9.2	33.4	254.0
520.	11.2	-30.7	-11.2	32.6	250.0
530.	11.1	-31.0	-13.3	33.8	246.8
540.	11.0	-29.8	-13.3	32.6	246.0
550.	10.9	-28.5	-12.6	31.2	246.2
560.	10.9	-26.9	-11.1	29.1	247.5
570.	10.9	-24.1	-7.5	25.2	252.7
580.	11.0	-24.7	-5.6	25.3	257.1
590.	10.9	-23.6	-3.2	23.8	262.4
600.	10.9	-24.5	-0.3	24.5	269.4
610.	10.9	-22.2	-2.1	22.3	264.5
620.	10.8	-23.4	-5.1	24.0	257.7
630.	10.8	-22.5	-5.7	23.3	255.7
640.	10.7	-21.5	-4.9	22.0	257.2
650.	10.6	-21.2	-1.9	21.3	265.0
660.	10.6	-21.3	1.6	21.4	274.4
670.	10.5	-22.0	1.0	22.1	272.5
680.	10.5	-20.9	-1.0	20.9	267.3
690.	10.4	-20.6	-4.8	21.1	257.0
700.	10.3	-22.2	-11.0	24.8	243.8
710.	10.3	-22.4	-12.2	25.4	241.5
720.	10.2	-21.9	-8.5	23.5	248.8

DISCOVERY 102 STN 10084					
PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.	27.2	-28.2	188.9	190.9	351.5
20.	27.2	-44.9	169.8	175.7	345.2
30.	27.1	-53.9	159.1	167.9	341.3
40.	26.1	-70.2	137.8	154.6	333.0
50.	22.8	-58.4	66.5	88.5	318.7
60.	20.8	-43.8	44.3	62.3	315.3
70.	19.4	-39.6	32.2	51.1	309.2
80.	18.8	-29.3	32.2	43.5	317.7
90.	18.4	-21.6	27.3	34.8	321.7
100.	18.3	-26.9	28.6	39.2	316.8
110.	18.1	-27.8	18.1	33.2	303.0
120.	17.8	-18.0	21.8	28.3	320.5
130.	17.4	-13.1	25.7	28.8	333.0
140.	17.1	-14.3	17.9	22.9	321.3
150.	17.0	-3.3	16.8	17.1	348.8
160.	16.8	2.8	18.0	18.2	8.8
170.	16.3	-6.8	-8.3	10.7	219.3
180.	15.8	-9.5	-15.7	18.4	211.1
190.	15.2	-14.6	-0.2	14.6	269.3
200.	15.1	-12.0	2.6	12.3	282.4
210.	14.8	-8.4	-4.2	9.4	243.8
220.	14.2	2.5	-10.1	10.4	166.4
230.	13.6	3.8	-11.3	11.9	161.5
240.	13.3	7.0	-13.0	14.8	151.7
250.	13.2	8.7	-19.4	21.3	156.0
260.	13.0	-1.7	-24.4	24.4	184.0
270.	12.9	-20.6	-28.2	34.9	216.1
280.	12.7	-21.5	-23.0	31.5	223.1
290.	12.9	-24.7	-24.1	34.5	225.7
300.	12.7	-24.5	-16.4	29.5	236.2
310.	12.6	-28.6	-1.3	28.6	267.4
320.	12.1	-34.5	2.3	34.6	273.8
330.	11.6	-40.3	-0.3	40.3	269.6
340.	11.5	-44.3	-5.7	44.7	262.7
350.	11.3	-52.1	-21.2	56.2	247.9
360.	11.4	-47.5	-26.4	54.3	241.0
370.	11.7	-51.0	-28.7	58.5	240.6
380.	11.9	-49.5	-29.8	57.7	239.0
390.	11.8	-46.9	-26.5	53.8	240.6
400.	11.6	-40.5	-22.0	46.1	241.5
410.	11.4	-41.0	-17.0	44.3	247.5
420.	11.3	-40.5	-7.5	41.2	259.5
430.	11.2	-35.3	-8.4	36.3	256.6
440.	11.2	-37.0	-14.5	39.7	248.6
450.	11.1	-41.8	-22.9	47.6	241.3
460.	11.0	-43.7	-28.1	52.0	237.3
470.	10.9	-38.6	-26.3	46.7	235.7
480.	10.9	-33.6	-22.3	40.4	236.4
490.	10.6	-28.8	-16.2	33.0	240.7
500.	10.3	-29.1	-12.3	31.6	247.0
510.	10.2	-27.0	-11.0	29.2	247.8
520.	10.2	-31.7	-10.6	33.4	251.5
530.	10.3	-35.7	-18.4	40.2	242.7
540.	10.6	-35.1	-21.1	40.9	239.0
550.	10.6	-36.6	-21.9	42.7	239.1
560.	10.5	-34.6	-19.9	39.9	240.1
570.	10.4	-35.1	-19.6	40.2	240.8
580.	10.3	-37.4	-21.0	42.9	240.7
590.	10.2	-35.8	-20.4	41.2	240.4
600.	10.0	-32.1	-14.2	35.1	246.2
610.	10.0	-33.2	-9.0	34.4	254.9
620.	10.2	-33.2	-10.3	34.7	252.8
630.	10.3	-35.1	-15.6	38.4	246.0
640.	10.3	-36.3	-23.1	43.0	237.6
650.	10.2	-42.4	-30.9	52.5	234.0
660.	10.2	-41.7	-27.3	49.8	236.7
670.	10.1	-40.6	-18.3	44.5	245.7
680.	9.8	-40.2	-23.9	46.8	239.2
690.	9.6	-38.7	-26.8	47.0	235.3
700.	9.7	-40.2	-26.7	48.3	236.4

DISCOVERY 102 STN 10085					
PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.	26.6	-10.4	132.3	132.7	355.5
20.	26.6	-25.4	135.7	138.1	349.4
30.	26.6	-24.4	142.2	144.3	350.3
40.	26.5	-19.8	138.7	140.1	351.9
50.	26.1	-32.0	119.9	124.1	345.1
60.	23.9	-29.4	74.6	80.2	338.5
70.	21.3	3.1	47.8	47.9	3.7
80.	19.8	14.4	47.1	49.3	16.9
90.	19.0	19.1	38.1	42.6	26.7
100.	18.5	18.8	30.0	35.4	32.1
110.	17.8	27.2	25.3	37.2	47.1
120.	17.5	27.4	29.2	40.0	43.3
130.	17.4	31.0	32.3	44.8	43.9
140.	17.2	23.0	23.7	33.0	44.2
150.	16.8	17.5	15.6	23.4	48.3
160.	15.9	11.9	5.9	13.3	63.8
170.	15.2	4.1	0.4	4.1	84.5
180.	14.8	2.5	0.5	2.5	77.7
190.	14.3	0.4	3.7	3.7	5.4
200.	13.8	5.9	6.8	9.0	41.1
210.	13.5	5.7	4.6	7.3	51.3
220.	13.2	1.7	2.1	2.7	38.7
230.	13.1	3.2	2.7	4.2	50.0
240.	13.0	8.9	3.5	9.6	68.5
250.	12.8	12.0	6.3	13.5	62.2
260.	12.8	13.5	10.8	17.2	51.3
270.	12.7	16.7	20.9	26.7	38.6
280.	12.5	21.8	17.4	27.9	51.3
290.	12.6	22.3	8.1	23.8	70.0
300.	12.5	18.3	8.4	20.1	65.5
310.	12.4	14.9	8.5	17.2	60.4
320.	12.3	12.4	-0.6	12.4	92.8
330.	11.9	4.5	-4.3	6.3	133.9
340.	11.3	3.4	5.5	6.4	31.7
350.	11.1	6.5	7.6	10.0	40.4
360.	10.9	4.7	3.3	5.8	55.3
370.	10.8	7.4	6.9	10.1	46.9
380.	10.9	8.7	11.0	14.0	38.3
390.	11.0	10.2	10.5	14.6	44.2
400.	11.1	7.8	8.8	11.8	41.7
410.	11.0	7.4	5.6	9.3	53.3
420.	11.0	6.5	1.0	6.6	81.1
430.	10.9	6.3	4.0	7.4	57.8
440.	11.0	5.4	4.3	6.9	51.0
450.	10.9	8.4	5.1	9.8	58.8
460.	10.7	9.0	9.5	13.1	43.5
470.	10.2	2.8	11.5	11.8	13.9
480.	10.1	1.4	4.8	5.0	16.3
490.	10.0	-4.7	6.9	8.3	325.9
500.	10.3	-3.5	9.2	9.8	338.9
510.	10.5	-21.9	-8.0	23.3	249.9
520.	10.4	-26.7	-6.4	27.5	256.6
530.	10.3	-27.6	-0.3	27.6	269.3
540.	10.1	-24.6	3.0	24.8	277.0
550.	10.1	-21.4	3.7	21.7	279.7
560.	10.1	-19.2	3.4	19.5	280.0
570.	10.1	-18.8	-4.9	19.4	255.4
580.	10.0	-21.0	-17.5	27.3	230.1
590.	10.0	-21.4	-15.8	26.6	233.6
600.	9.9	-18.2	-5.0	18.8	244.5
610.	10.0	-17.7	-1.0	17.7	266.7
620.	10.1	-19.7	-2.2	19.8	263.6
630.	10.1	-19.0	-4.3	19.5	257.2
640.	10.0	-21.2	-10.1	23.5	244.5
650.	9.8	-21.4	-13.9	25.5	236.9
660.	9.8	-21.9	-11.4	24.7	242.5
670.	9.8	-21.2	-10.5	23.6	243.5
680.	9.8	-19.6	-4.3	20.0	257.5
690.	9.7	-17.5	-5.8	18.4	251.7
700.	9.8	-15.9	-6.6	17.2	247.5
710.	9.7	-16.0	-8.7	18.2	241.5
720.	9.7	-15.4	-10.8	18.8	234.9

DISCOVERY 102 STN 10086

DISCOVERY 102 STN 10087

PRFSS	TEMP	EAST	NORTH	SPEED	DEG
20.	26.7	64.7	133.9	148.7	25.8
30.	26.7	57.6	159.8	169.8	19.8
40.	26.5	32.6	143.7	147.4	12.8
50.	25.7	21.6	124.1	125.9	9.9
60.	23.4	15.3	87.0	88.3	10.0
70.	21.5	26.9	99.2	102.8	15.2
80.	20.1	23.5	99.9	102.6	13.3
90.	18.5	27.4	68.0	73.3	22.0
100.	17.7	25.5	12.1	28.2	64.6
110.	16.5	-11.6	-0.1	11.6	269.7
120.	15.8	-23.8	-2.5	23.9	264.1
130.	15.5	-24.0	3.1	24.2	277.4
140.	15.2	-15.9	25.3	29.9	327.8
150.	14.9	-7.6	34.4	35.3	347.6
160.	14.6	0.2	10.8	10.8	0.9
170.	14.4	-4.3	6.3	7.6	325.5
180.	14.0	-9.6	14.5	17.4	326.4
190.	13.8	-3.3	21.3	21.6	351.2
200.	13.5	-7.4	22.3	23.4	341.7
210.	13.3	-6.6	4.6	8.0	304.7
220.	13.1	-7.2	7.2	10.2	314.7
230.	13.0	-4.2	18.9	19.3	347.4
240.	12.9	-7.8	-9.6	12.3	219.1
250.	12.8	-7.7	-17.1	18.8	204.3
260.	12.7	-7.2	-3.3	7.9	245.2
270.	12.5	-4.6	-3.0	5.5	236.8
280.	12.5	-6.5	-0.4	6.5	266.5
290.	12.4	-5.2	2.2	5.7	292.4
300.	12.3	-6.1	9.3	11.2	326.7
310.	12.0	-8.2	19.1	20.8	336.9
320.	11.9	-5.4	17.1	17.9	342.5
330.	11.9	-8.6	3.4	9.3	291.7
340.	11.8	-12.4	0.5	12.4	272.3
350.	11.7	-13.0	-0.8	13.0	266.5
360.	11.6	-16.7	0.1	16.7	270.4
370.	11.5	-14.7	-1.0	14.8	266.0
380.	11.5	-12.7	10.0	16.2	308.3
390.	11.3	-13.8	10.6	17.4	307.7
400.	11.2	-11.1	19.8	22.7	330.6
410.	11.0	-7.1	16.6	18.1	336.9
420.	10.9	-7.7	23.1	24.3	341.6
430.	10.8	-8.1	31.5	32.5	345.6
440.	10.9	-7.7	23.9	25.1	342.1
450.	10.8	-9.6	13.1	16.2	323.7
460.	10.8	-10.3	12.2	15.9	319.6
470.	10.9	-5.8	19.8	20.6	343.7
480.	10.7	-1.0	12.1	12.1	355.2
490.	10.5	-3.1	2.8	4.2	312.6
500.	10.5	-1.5	6.3	6.5	346.5
510.	10.4	2.1	16.9	17.0	7.2
520.	10.6	-0.6	4.7	4.8	352.8
530.	10.9	2.9	-4.3	5.2	145.7
540.	10.9	5.4	4.1	6.8	53.0
550.	10.7	1.8	10.6	10.7	9.4
560.	10.6	-4.0	23.2	23.5	350.2
570.	10.6	-3.2	28.4	28.6	353.5
580.	10.6	-4.5	26.3	26.7	350.3
590.	10.6	-2.7	22.0	22.2	353.0
600.	10.6	1.1	21.9	21.9	3.0
610.	10.6	6.0	20.4	21.2	16.5
620.	10.5	7.3	13.7	15.5	28.0
630.	10.3	9.3	9.0	12.9	46.0
640.	10.2	10.0	6.9	12.2	55.5
650.	10.2	10.7	6.7	12.6	58.1
660.	10.3	8.2	10.2	13.1	38.9
670.	10.4	8.6	10.3	13.4	39.8
680.	10.4	11.1	4.6	12.0	67.3
690.	10.4	17.1	-0.6	17.2	92.1
700.	10.3	11.1	-4.4	12.0	111.6
710.	10.3	12.3	-5.2	13.3	112.7
720.	10.3	12.1	-6.5	13.7	118.3

PRESS	TEMP	EAST	NORTH	SPFED	DEG
10.	26.4	114.7	125.0	169.7	42.5
20.	26.4	86.0	161.5	182.9	28.0
30.	26.4	57.7	166.5	176.2	19.1
40.	26.4	42.3	157.7	163.2	15.0
50.	26.3	39.6	144.6	149.9	15.3
60.	26.2	29.3	140.5	143.5	11.8
70.	24.5	4.5	102.9	103.0	2.5
80.	21.5	3.8	56.0	56.1	3.9
90.	20.2	-5.2	38.5	38.8	352.3
100.	19.5	-5.7	40.3	40.7	351.9
110.	19.0	2.7	44.1	44.2	3.5
120.	18.4	18.4	40.2	44.2	24.6
130.	18.0	29.9	33.2	44.7	42.1
140.	17.7	18.0	14.0	22.8	52.1
150.	17.1	-0.4	8.4	8.4	357.2
160.	15.9	1.4	12.5	12.6	6.4
170.	15.4	2.2	18.8	18.9	6.6
180.	15.0	7.4	20.2	21.5	20.2
190.	14.2	11.2	24.9	27.3	24.2
200.	13.8	26.8	35.1	44.1	37.4
210.	13.4	27.3	25.8	37.6	46.7
220.	13.1	18.9	13.4	23.2	54.7
230.	12.8	21.5	20.6	29.7	46.2
240.	12.6	19.7	23.9	31.0	39.4
250.	12.5	12.5	18.0	21.9	34.7
260.	12.5	6.9	10.5	12.5	33.2
270.	12.4	-1.4	6.5	6.6	347.9
280.	12.3	-10.8	23.4	25.8	335.1
290.	12.1	-14.2	19.7	24.3	324.2
300.	11.9	-15.0	23.2	27.7	327.0
310.	11.8	-10.1	31.6	33.1	342.2
320.	11.7	-5.8	28.6	29.2	348.5
330.	11.7	-0.2	19.0	19.0	359.4
340.	11.8	3.3	16.1	16.5	11.7
350.	11.7	6.5	15.1	16.4	23.4
360.	11.6	10.4	9.4	14.0	48.0
370.	11.6	11.3	7.7	13.7	55.9
380.	11.5	11.1	15.0	18.6	36.6
390.	11.4	10.7	15.2	18.5	35.2
400.	11.4	9.7	9.6	13.6	45.3
410.	11.4	11.1	4.0	11.8	70.0
420.	11.4	11.4	6.8	13.3	59.0
430.	11.1	13.0	8.5	15.6	56.7
440.	10.9	16.1	15.4	22.3	46.2
450.	10.8	14.5	11.3	18.4	52.1
460.	10.8	12.0	10.2	15.7	49.7
470.	10.7	8.5	12.8	15.4	33.5
480.	10.6	5.5	14.2	15.2	21.2
490.	10.6	2.5	13.5	13.7	10.3
500.	10.5	-1.1	14.4	14.4	355.7
510.	10.4	-1.1	17.7	17.7	356.6
520.	10.2	0.0	14.3	14.3	0.0
530.	10.1	-1.7	15.6	15.7	353.8
540.	10.0	0.9	15.4	15.4	3.4
550.	9.9	0.5	12.4	12.4	2.2
560.	9.9	-1.3	14.9	14.9	355.0
570.	10.1	2.1	18.4	18.5	6.4
580.	10.1	2.3	16.2	16.4	8.0
590.	9.8	3.1	17.3	17.6	10.2
600.	9.8	5.1	18.9	19.6	15.1
610.	9.9	6.4	24.2	25.0	14.8
620.	10.2	7.6	21.7	23.0	19.2
630.	10.4	3.3	14.9	15.2	12.6
640.	10.4	2.8	15.1	15.3	10.6
650.	10.4	2.9	16.6	16.8	10.0
660.	10.4	3.0	15.3	15.6	11.2
670.	10.3	6.0	15.0	16.1	21.7
680.	10.1	5.5	13.8	14.8	21.9
690.	9.9	3.5	10.6	11.1	18.1
700.	9.9	3.0	10.4	10.8	16.1
710.	9.7	3.1	14.3	14.6	12.4
720.	9.7	3.8	17.1	17.6	12.5

DISCOVERY 102 STN 10088

PRFSS	TEMP	EAST	NORTH	SPEED	DFG
10.	26.4	75.2	130.4	150.5	29.9
20.	26.5	19.5	151.2	152.4	7.4
30.	26.5	-8.0	141.4	141.6	356.8
40.	26.5	-5.2	133.1	133.2	357.8
50.	26.5	3.4	123.8	123.8	1.6
60.	26.5	5.7	118.1	118.3	2.8
70.	26.4	1.1	106.8	106.8	0.6
80.	25.7	-21.2	83.6	86.3	345.7
90.	24.6	-30.5	71.3	77.5	336.9
100.	23.6	-39.7	59.0	71.1	326.1
110.	21.4	-28.1	54.9	61.7	332.9
120.	19.7	-19.4	61.5	64.5	342.5
130.	18.0	1.8	60.5	60.5	1.7
140.	16.9	17.3	61.5	63.8	15.7
150.	15.8	34.2	61.6	70.5	29.1
160.	15.2	39.7	51.7	65.2	37.6
170.	15.0	21.2	38.7	44.1	28.7
180.	14.5	-7.5	36.2	37.0	348.2
190.	14.1	2.0	47.7	47.8	2.4
200.	13.8	12.7	39.8	41.8	17.7
210.	13.7	6.9	41.8	42.3	9.3
220.	13.4	-20.3	48.0	52.1	337.0
230.	12.6	-26.5	41.6	49.3	327.5
240.	12.2	-21.3	50.4	54.7	337.1
250.	12.3	-23.8	39.8	46.3	329.1
260.	12.5	-24.0	23.6	33.7	314.5
270.	12.3	-16.1	26.9	31.3	329.1
280.	11.8	-4.6	32.6	32.9	352.0
290.	11.6	4.2	33.2	33.4	7.2
300.	11.4	9.8	32.2	33.7	17.0
310.	11.1	11.2	31.1	33.0	19.8
320.	10.9	13.6	35.7	38.2	20.9
330.	11.0	10.2	33.1	34.7	17.1
340.	10.9	11.2	38.7	40.3	16.2
350.	10.7	8.8	40.7	41.6	12.2
360.	10.6	9.3	40.4	41.5	13.0
370.	10.6	7.6	33.2	34.0	12.9
380.	10.7	12.6	42.5	44.3	16.5
390.	10.6	14.6	44.0	46.3	18.4
400.	10.7	12.9	39.4	41.5	18.1
410.	11.0	13.4	38.8	41.1	19.1
420.	11.1	13.2	34.2	36.7	21.1
430.	11.1	12.9	34.2	36.6	20.7
440.	11.0	12.7	31.1	33.5	22.2
450.	10.7	10.0	30.0	31.6	18.4
460.	10.6	12.4	34.1	36.3	20.0
470.	10.6	10.9	34.6	36.3	17.5
480.	10.7	10.0	34.8	36.2	16.1
490.	10.9	8.8	32.7	33.9	15.1
500.	10.8	7.8	31.9	32.8	13.7
510.	10.7	8.9	31.5	32.8	15.8
520.	10.6	9.4	30.7	32.1	17.1
530.	10.5	11.0	29.3	31.3	20.6
540.	10.5	12.4	30.4	32.8	22.3
550.	10.5	13.5	26.7	30.0	26.8
560.	10.5	14.9	26.7	30.6	29.2
570.	10.4	14.6	24.4	28.4	31.0
580.	10.3	13.4	25.7	29.0	27.6
590.	10.3	13.3	25.9	29.1	27.2
600.	10.3	12.2	25.1	27.9	25.8
610.	10.0	9.9	21.3	23.5	24.9
620.	10.0	9.5	15.0	17.7	32.4
630.	10.1	6.4	12.4	13.9	27.2
640.	10.3	6.5	11.9	13.6	28.6
650.	10.2	7.9	10.1	12.9	38.0
660.	10.0	7.7	9.2	12.0	40.0
670.	10.1	6.3	9.1	11.0	35.0
680.	10.1	9.1	12.6	15.5	35.9
690.	9.8	8.7	12.1	14.9	35.7
700.	9.6	8.4	10.1	13.1	40.0
710.	9.6	9.0	9.3	13.0	44.2
720.	9.5	9.6	9.9	13.8	44.2

DISCOVERY 102 STN 10089

PRESS	TEMP	EAST	NORTH	SPEED	DEG
0.	26.6	51.1	96.6	109.3	27.9
10.	26.6	42.0	104.9	113.0	21.8
20.	26.6	26.1	106.4	109.5	13.8
30.	26.6	28.3	112.7	116.2	14.1
40.	26.6	29.4	110.0	113.9	14.9
50.	26.6	16.2	109.4	110.6	8.4
60.	26.6	5.9	108.9	109.1	3.1
70.	26.6	1.6	102.3	102.3	0.9
80.	26.4	-11.4	89.6	90.3	352.7
90.	25.5	-31.2	86.0	91.5	340.1
100.	24.8	-31.3	72.8	79.2	336.7
110.	22.9	-13.9	78.6	79.8	350.0
120.	20.6	5.0	60.3	60.5	4.7
130.	19.4	1.2	51.5	51.5	1.3
140.	18.7	3.0	51.5	51.6	3.3
150.	18.0	-0.8	53.4	53.4	359.1
160.	16.7	-5.5	43.9	44.2	352.8
170.	15.5	-9.5	35.7	37.0	345.0
180.	15.0	-16.0	35.2	38.7	335.5
190.	14.5	-29.5	35.1	45.9	320.0
200.	14.1	-22.1	30.3	37.5	323.8
210.	13.6	-15.8	32.6	36.2	334.2
220.	13.4	-9.3	35.4	36.6	345.3
230.	12.7	-0.3	50.3	50.3	359.6
240.	12.3	6.7	59.4	59.7	6.5
250.	12.1	0.8	60.0	60.0	0.7
260.	12.1	-0.4	56.3	56.3	359.6
270.	11.9	-1.4	43.0	43.0	358.1
280.	11.7	-5.5	33.0	33.4	350.5
290.	11.4	-4.4	28.5	28.8	351.3
300.	11.0	-4.7	22.5	23.0	348.3
310.	10.8	-11.1	24.2	26.6	335.3
320.	10.8	-6.1	29.5	30.1	348.4
330.	10.7	14.4	42.5	44.9	18.8
340.	10.6	21.1	44.3	49.0	25.4
350.	10.6	17.0	37.8	41.4	24.2
360.	10.6	11.7	33.7	35.6	19.2
370.	10.6	7.8	28.8	29.9	15.2
380.	10.6	4.4	23.5	23.9	10.7
390.	10.5	4.7	21.5	22.0	12.3
400.	10.5	8.8	27.6	29.0	17.7
410.	10.5	15.6	31.3	35.0	26.5
420.	10.6	17.8	32.9	37.4	28.5
430.	10.6	14.1	33.0	35.9	23.2
440.	10.5	14.1	31.2	34.3	24.4
450.	10.5	15.4	29.3	33.1	27.7
460.	10.7	11.9	26.0	28.6	24.7
470.	10.7	6.5	20.0	21.1	18.0
480.	10.8	-1.9	15.3	15.4	352.8
490.	10.7	-7.9	10.2	12.9	322.2
500.	10.7	-8.6	-0.4	8.7	267.4
510.	10.6	-1.4	1.6	2.2	319.7
520.	10.5	0.9	7.4	7.4	6.8
530.	10.5	7.5	19.1	20.6	21.5
540.	10.5	12.4	28.2	30.8	23.7
550.	10.3	4.3	24.2	24.6	10.0
560.	10.1	1.5	18.3	18.4	4.5
570.	10.3	-2.1	13.7	13.9	351.1
580.	10.3	5.2	15.1	15.9	19.1
590.	10.2	12.7	20.4	24.0	32.0
600.	10.0	10.9	20.5	23.3	28.0
610.	9.9	1.9	16.9	17.0	6.6
620.	9.9	5.6	18.0	18.8	17.3
630.	10.2	7.8	16.1	17.9	25.7
640.	10.2	-2.8	12.1	12.4	346.9
650.	10.1	-10.2	1.6	10.3	279.0
660.	10.0	10.8	18.8	21.6	29.9
670.	10.0	24.9	20.0	31.9	51.3
680.	10.0	24.8	18.1	30.7	53.9
690.	10.0	18.0	13.0	22.2	54.2
700.	10.0	16.3	4.1	16.8	75.8
710.	9.9	16.5	4.3	17.1	75.5

DISCOVERY 102 STN 10090

DISCOVERY 102 STN 10091

PRESS	TEMP	EAST	NORTH	SPEED	DEG
0.	26.8	41.9	32.7	53.2	52.0
10.	26.8	29.7	41.0	50.6	35.9
20.	26.8	5.5	53.8	54.1	5.9
30.	26.8	-11.8	53.3	54.6	347.5
40.	26.8	-25.5	40.4	47.8	327.7
50.	26.8	-21.8	32.9	39.5	326.5
60.	26.8	-9.2	41.2	42.2	347.4
70.	26.8	0.9	48.8	48.8	1.1
80.	26.7	-1.7	56.4	56.5	358.2
90.	26.6	-22.1	60.0	63.9	339.8
100.	26.3	-38.1	65.4	75.7	329.8
110.	25.4	-40.9	72.3	83.1	330.5
120.	25.0	-59.5	39.2	71.3	303.4
130.	24.8	-62.3	44.0	76.3	305.2
140.	23.0	-34.7	68.3	76.6	333.1
150.	21.2	-17.3	65.1	67.3	345.1
160.	20.4	-18.8	48.5	52.0	338.7
170.	19.4	-27.2	43.5	51.3	327.9
180.	18.2	-18.2	41.4	45.2	336.3
190.	17.3	-14.0	34.8	37.6	338.1
200.	16.1	-16.1	24.7	29.5	326.9
210.	15.0	-10.2	26.1	28.1	338.7
220.	14.3	-26.0	23.9	35.3	312.6
230.	13.7	-39.9	14.9	42.6	290.4
240.	13.3	-39.8	9.0	40.8	282.7
250.	13.2	-33.9	8.2	34.9	283.6
260.	13.0	-33.6	8.1	34.6	283.5
270.	12.7	-38.1	3.3	38.2	275.0
280.	12.6	-48.8	-3.9	48.9	265.5
290.	12.5	-42.8	-2.7	42.9	266.4
300.	12.4	-28.5	1.0	28.5	272.0
310.	12.1	-27.6	3.9	27.9	278.1
320.	11.9	-20.8	-0.8	20.8	267.9
330.	11.6	-27.7	-10.1	29.5	249.9
340.	11.2	-9.5	-6.4	11.5	236.3
350.	11.0	-5.2	-7.2	8.9	215.9
360.	11.0	-16.3	-8.7	18.4	241.9
370.	10.9	-11.8	-6.7	13.6	240.4
380.	10.8	-9.2	-9.6	13.3	223.7
390.	10.7	-12.0	-9.6	15.4	231.4
400.	10.8	-26.5	-14.6	30.3	241.2
410.	10.8	-27.1	-8.5	28.4	252.6
420.	10.9	-25.4	-10.8	27.6	246.9
430.	11.1	-32.5	-12.6	34.9	248.8
440.	11.2	-17.0	-8.2	18.9	244.1
450.	11.1	-12.9	-10.5	16.6	230.7
460.	11.1	-14.6	-11.7	18.7	231.3
470.	10.9	-9.4	2.6	9.7	285.2
480.	10.9	-9.2	6.6	11.3	305.6
490.	10.8	-8.4	4.0	9.3	295.6
500.	10.8	-11.8	-0.6	11.8	266.9
510.	10.8	-19.2	-3.3	19.5	260.2
520.	10.8	-14.1	1.5	14.2	276.3
530.	10.6	-3.6	-1.6	4.0	246.7
540.	10.5	-5.7	-4.4	7.2	232.1
550.	10.6	-8.7	-5.5	10.3	237.8
560.	10.8	-3.8	-0.6	3.8	260.3
570.	10.8	-5.2	4.0	6.6	307.7
580.	10.8	-8.7	4.2	9.7	296.1
590.	10.8	-6.3	4.3	7.6	304.2
600.	10.6	-1.0	1.0	1.4	314.2
610.	10.4	-5.8	2.4	6.2	292.5
620.	10.3	-11.1	4.0	11.8	289.9
630.	10.2	-17.2	6.2	18.3	289.7
640.	10.1	-19.8	3.7	20.2	280.4
650.	10.1	-18.9	3.0	19.1	279.1
660.	10.1	-15.5	5.2	16.3	288.6
670.	10.2	-12.2	3.6	12.7	286.2
680.	10.1	-12.4	2.1	12.6	279.8
690.	9.9	-10.6	2.4	10.9	282.7
700.	9.9	-16.5	5.6	17.5	288.6
710.	9.8	-16.0	5.5	16.9	289.1
720.	9.8	-14.8	5.3	15.7	289.7

PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.	26.6	88.3	34.4	94.8	68.7
20.	26.6	58.1	57.2	81.5	45.4
30.	26.6	40.4	54.5	67.8	36.6
40.	26.6	38.0	43.8	58.0	40.9
50.	26.6	37.9	36.5	52.6	46.1
60.	26.6	46.8	30.2	55.7	57.2
70.	26.6	55.7	27.4	53.3	59.1
80.	26.6	36.9	20.0	42.0	61.5
90.	26.6	24.0	21.2	32.1	48.5
100.	26.1	19.5	30.0	35.8	33.0
110.	25.5	21.2	29.7	36.5	35.5
120.	25.3	15.6	28.2	32.2	28.9
130.	24.8	12.1	49.1	50.6	13.9
140.	23.2	11.0	51.9	53.0	11.9
150.	21.2	13.0	49.0	50.7	14.9
160.	20.0	17.5	25.9	31.2	34.0
170.	18.9	18.6	11.7	22.0	57.9
180.	17.5	14.7	9.0	17.2	58.6
190.	16.1	19.4	-5.7	20.2	106.3
200.	15.4	4.6	-30.5	30.9	171.4
210.	15.2	-3.0	-28.7	28.8	186.0
220.	14.8	-11.0	-29.9	31.9	200.1
230.	14.5	-11.2	-30.3	32.3	200.3
240.	14.2	-16.3	-25.7	30.4	212.3
250.	14.0	-15.4	-21.8	26.7	215.3
260.	13.8	-19.3	-18.6	26.8	226.0
270.	13.4	-16.1	-17.9	24.1	222.0
280.	13.2	-9.5	-17.7	20.0	208.2
290.	13.0	-10.8	-21.0	23.6	207.1
300.	12.8	-7.5	-21.9	23.1	199.0
310.	12.6	-6.5	-16.3	17.5	201.7
320.	12.6	-5.0	-15.5	16.2	197.8
330.	12.4	-5.3	-13.0	14.0	202.2
340.	12.1	-8.6	-12.4	15.1	214.7
350.	12.0	-13.5	-12.8	18.7	226.5
360.	12.2	-18.2	-11.9	21.7	236.9
370.	12.2	-16.5	-16.4	23.3	225.3
380.	12.2	-14.8	-18.5	23.7	218.8
390.	12.2	-12.1	-16.9	20.8	215.6
400.	11.8	-11.8	-13.0	17.6	222.1
410.	11.4	-16.4	-15.5	22.5	226.6
420.	11.3	-15.6	-15.7	22.1	224.8
430.	11.2	-17.5	-18.9	25.8	222.8
440.	11.0	-13.7	-14.8	20.2	222.8
450.	10.9	-13.9	-15.9	21.1	221.0
460.	10.8	-13.9	-16.9	21.9	219.4
470.	10.7	-10.0	-11.5	15.3	220.9
480.	10.6	-14.7	-12.1	19.0	230.6
490.	10.6	-16.7	-15.3	22.6	227.5
500.	10.6	-17.3	-15.3	23.1	228.5
510.	10.6	-16.0	-13.8	21.2	229.2
520.	10.5	-14.8	-9.5	17.6	237.4
530.	10.4	-12.4	-6.0	13.7	244.3
540.	10.3	-13.8	-9.7	16.9	235.0
550.	10.3	-13.4	-11.5	17.7	229.2
560.	10.3	-13.8	-13.0	19.0	226.8
570.	10.2	-13.6	-9.5	16.6	235.1
580.	10.2	-10.3	-8.9	13.6	229.1
590.	10.2	-13.1	-13.9	19.0	223.3
600.	10.1	-13.4	-17.1	21.7	218.0
610.	10.1	-10.2	-14.4	17.7	215.4
620.	10.0	-4.5	-8.9	10.0	206.7
630.	10.0	-5.6	-11.7	13.0	205.7
640.	9.9	-6.1	-12.0	13.5	206.9
650.	9.9	-3.0	-10.9	11.2	195.3
660.	9.8	-0.6	-8.8	8.9	183.8
670.	9.8	-2.9	-8.0	8.5	199.5
680.	9.8	0.1	-4.3	4.3	179.0

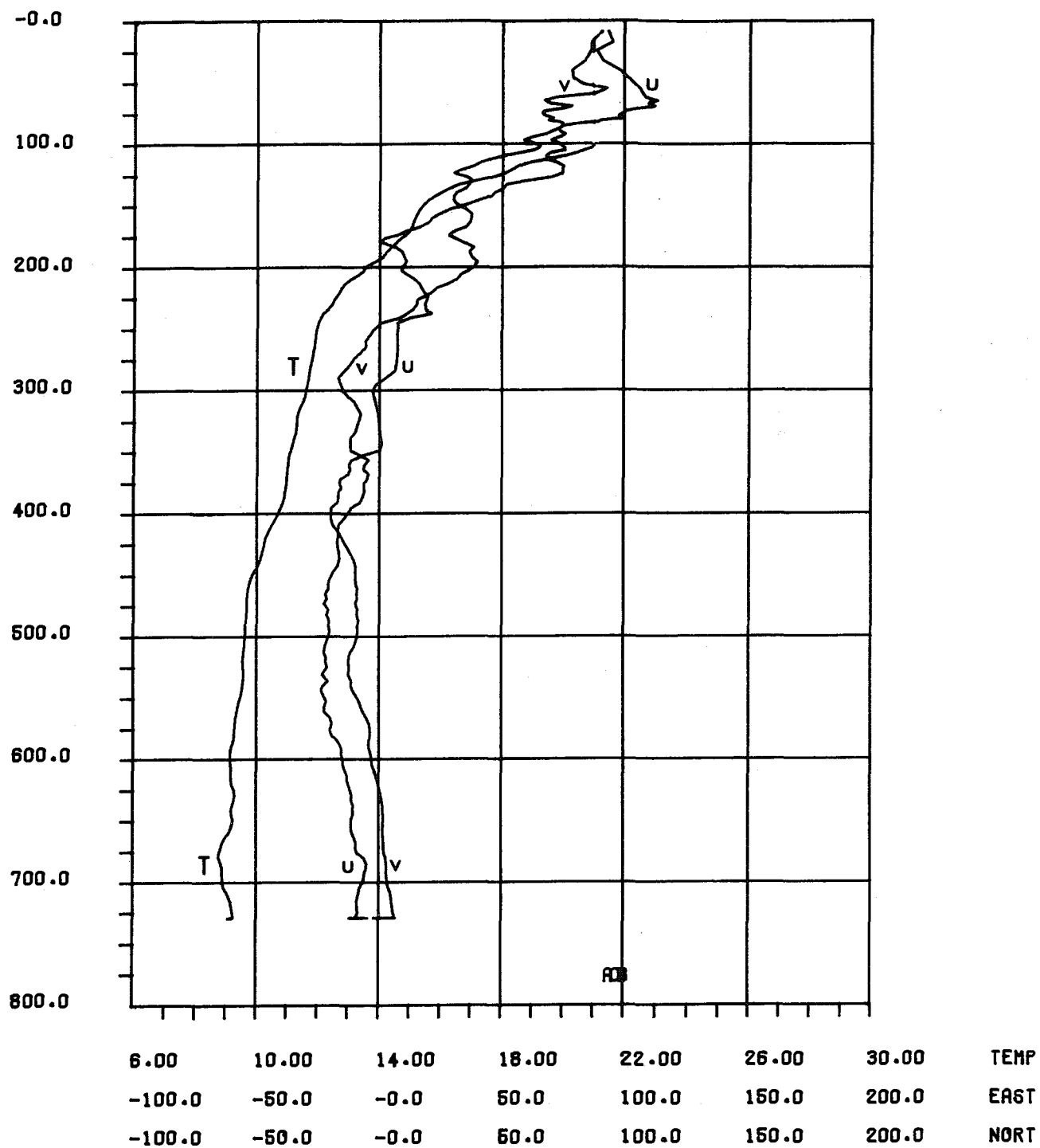
DISCOVERY 102 STN 10092

PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.	26.3	118.3	-6.9	118.5	93.3
20.	26.3	113.9	-15.2	114.9	97.6
30.	26.3	116.6	-13.6	117.4	96.6
40.	26.3	109.3	-4.9	109.4	92.5
50.	26.3	106.8	-5.8	106.9	93.1
60.	26.3	100.8	-7.8	101.1	94.4
70.	26.2	82.4	-6.8	82.7	94.7
80.	26.2	63.5	-11.2	64.5	100.0
90.	26.2	64.4	-0.8	64.4	90.7
100.	26.0	61.4	9.2	62.1	81.5
110.	25.3	64.6	24.7	69.2	69.1
120.	24.3	46.6	30.6	55.7	56.8
130.	23.3	31.7	36.1	48.1	41.3
140.	22.0	31.9	28.2	42.6	48.5
150.	20.7	32.9	8.3	33.9	75.9
160.	19.0	28.2	-9.5	29.8	108.7
170.	17.3	4.8	-23.9	24.4	168.7
180.	17.0	-13.7	-22.9	26.7	210.9
190.	16.6	-14.2	-7.6	16.1	241.9
200.	16.0	-14.9	1.6	15.0	276.2
210.	15.4	-11.7	4.5	12.5	291.2
220.	15.0	-9.4	7.5	12.0	308.4
230.	14.6	-13.0	-2.0	13.1	261.4
240.	14.6	-11.6	-6.9	13.6	239.2
250.	14.4	-14.4	-5.7	15.5	248.5
260.	13.8	-12.4	-7.5	14.5	238.9
270.	13.5	-13.4	-9.4	16.4	235.0
280.	13.5	-17.3	-14.6	22.7	229.9
290.	13.2	-18.2	-16.9	24.9	227.1
300.	13.0	-22.0	-18.3	28.6	230.1
310.	12.6	-23.4	-22.5	32.5	226.1
320.	12.5	-27.6	-26.2	38.0	226.4
330.	12.2	-29.9	-28.7	41.5	226.2
340.	12.0	-28.9	-33.4	44.2	220.8
350.	12.0	-27.0	-28.7	39.4	223.3
360.	12.1	-26.6	-21.6	34.2	230.9
370.	12.0	-25.8	-16.3	30.6	237.7
380.	11.9	-25.1	-16.9	30.3	236.0
390.	11.8	-24.1	-14.9	28.3	238.4
400.	11.6	-24.6	-12.9	27.8	242.3
410.	11.6	-23.4	-10.0	25.5	246.8
420.	11.4	-19.9	-8.6	21.7	246.5
430.	11.3	-17.4	-4.6	18.0	255.3
440.	11.2	-16.0	-5.7	17.0	250.6
450.	11.2	-12.9	-2.6	13.1	258.7
460.	11.0	-18.1	-7.0	19.4	248.8
470.	10.8	-23.8	-9.9	25.8	247.4
480.	10.8	-30.1	-13.9	33.1	245.2
490.	10.8	-33.7	-19.3	38.8	240.3
500.	10.8	-38.7	-27.0	47.2	235.1
510.	10.7	-38.1	-27.0	46.7	234.7
520.	10.6	-34.9	-21.5	41.0	238.4
530.	10.6	-32.3	-18.4	37.2	240.3
540.	10.6	-28.4	-15.2	32.2	241.8
550.	10.5	-24.2	-10.1	26.2	247.4
560.	10.4	-18.4	-6.3	19.5	251.0
570.	10.3	-18.0	-5.0	18.6	254.6
580.	10.3	-16.1	-1.6	16.2	264.4
590.	10.2	-13.4	-1.5	13.5	263.5
600.	10.2	-17.2	-5.0	17.9	253.9
610.	10.2	-20.0	-10.0	22.3	243.5
620.	10.1	-24.6	-14.1	28.4	240.2
630.	10.1	-24.6	-20.8	32.2	229.8
640.	10.1	-24.0	-19.6	31.0	230.8
650.	10.1	-16.8	-13.6	21.6	231.1
660.	10.2	-6.5	-8.7	10.8	216.7
670.	10.2	-1.5	-5.5	5.7	195.3
680.	10.1	0.4	-10.3	10.3	177.8
690.	10.1	0.0	-15.1	15.1	179.9
700.	10.1	-1.8	-16.4	16.5	186.2
710.	10.1	-2.1	-14.6	14.7	188.2
720.	10.1	-2.5	-16.5	16.7	188.6

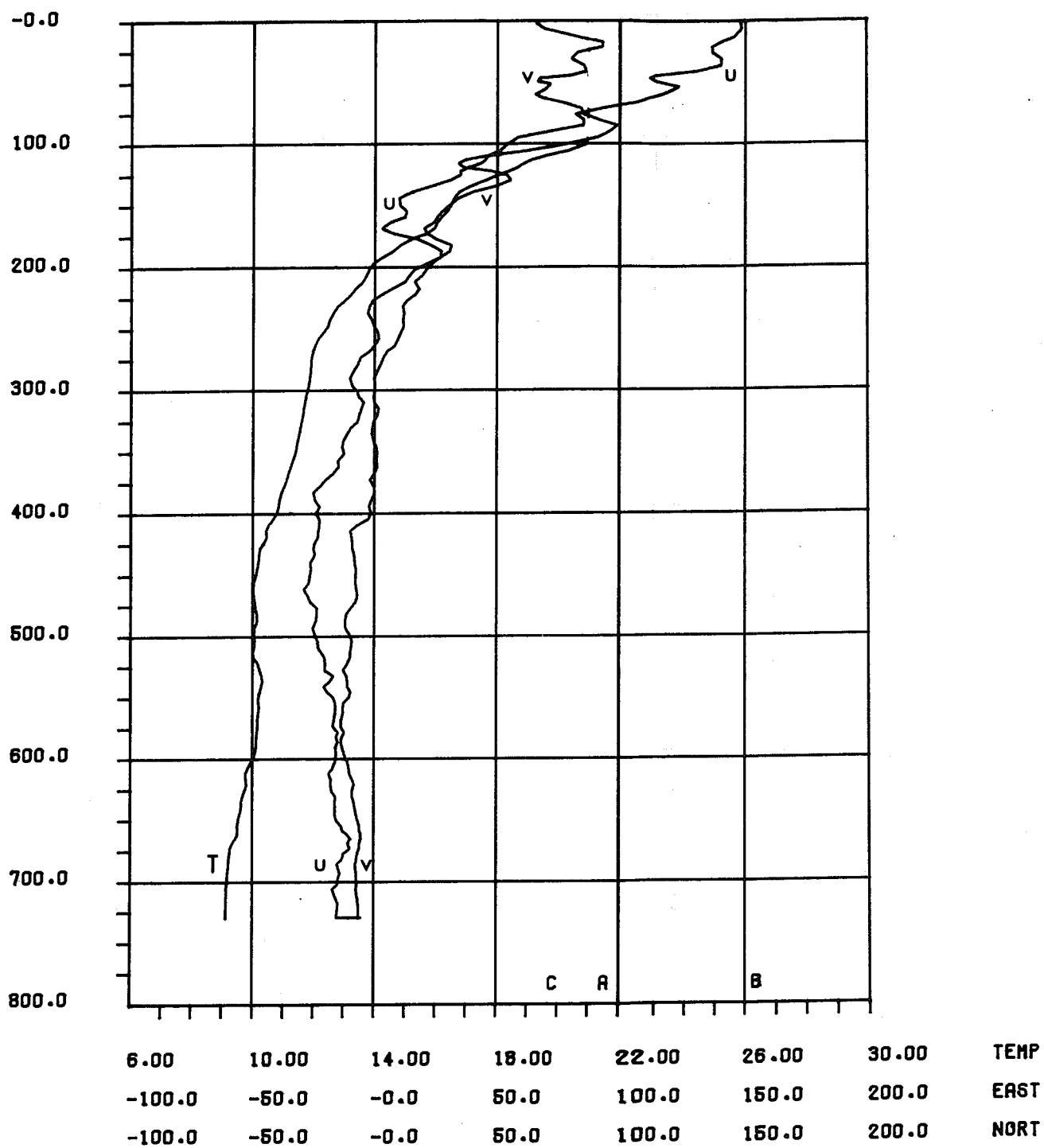
DISCOVERY 102 STN 10093

PRESS	TEMP	EAST	NORTH	SPEED	DEG
30.	26.0	170.2	79.1	187.7	65.1
40.	25.9	172.8	0.9	172.8	89.7
50.	25.9	164.7	-31.0	167.6	100.7
60.	25.7	135.4	-7.9	135.7	93.3
70.	25.4	119.9	-11.3	120.4	95.4
80.	25.0	97.3	-22.4	99.9	103.0
90.	24.7	81.0	-23.4	84.3	106.1
100.	24.1	63.6	-23.2	67.7	110.1
110.	23.8	52.8	-9.8	53.7	100.5
120.	23.6	46.1	-10.8	47.3	103.2
130.	23.3	49.5	-7.1	50.0	98.2
140.	21.6	59.1	-5.3	59.3	95.1
150.	19.2	43.6	-14.9	46.1	108.9
160.	18.3	18.5	-20.3	27.5	137.6
170.	17.5	28.5	-8.7	29.8	106.9
180.	17.1	39.1	3.2	39.2	85.4
190.	16.4	34.1	4.5	34.4	82.5
200.	15.8	15.9	-1.2	15.9	94.5
210.	15.1	17.5	-3.2	17.8	100.4
220.	14.8	11.1	-15.9	19.4	145.0
230.	14.5	0.2	-28.5	28.5	179.7
240.	14.1	-11.9	-24.9	27.6	205.7
250.	13.8	-12.8	-24.4	27.5	207.8
260.	13.3	-10.7	-11.6	15.8	222.8
270.	12.7	-8.8	-9.4	12.8	223.1
280.	12.3	1.7	-3.5	3.9	153.9
290.	12.2	2.4	3.2	4.0	37.7
300.	12.2	1.8	-0.6	1.9	109.1
310.	12.1	1.8	3.0	3.5	31.3
320.	12.0	1.4	4.3	4.5	17.6
330.	11.9	1.5	3.0	3.4	26.7
340.	11.8	2.2	-2.2	3.1	135.1
350.	11.7	-5.7	-4.2	7.0	233.7
360.	11.7	-9.3	-5.5	10.8	239.2
370.	11.8	-12.5	-12.0	17.3	226.0
380.	11.7	-15.8	-13.6	20.9	229.3
390.	11.7	-15.7	-10.9	19.1	235.2
400.	11.5	-12.8	-11.9	17.5	227.1
410.	11.3	-10.4	-8.5	13.5	230.6
420.	10.9	-3.1	-2.2	3.8	234.6
430.	10.9	-7.6	-2.0	7.9	255.1
440.	10.9	-7.0	-2.4	7.4	250.9
450.	10.8	-4.0	1.3	4.2	287.7
460.	10.9	-1.4	3.9	4.1	340.3
470.	11.0	-1.9	3.8	4.2	333.7
480.	11.0	-2.5	4.2	4.9	329.8
490.	10.8	0.0	4.8	4.8	0.2
500.	10.6	-0.5	4.4	4.4	353.7
510.	10.7	-7.2	-2.0	7.5	254.6
520.	10.6	-11.4	-7.0	13.4	238.3
530.	10.6	-15.7	-9.6	18.4	238.5
540.	10.9	-27.0	-18.8	32.9	235.2
550.	10.8	-34.6	-30.8	46.4	228.4
560.	10.7	-34.8	-29.6	45.7	229.5
570.	10.5	-34.3	-24.9	42.4	234.0
580.	10.3	-27.9	-18.7	33.6	236.1
590.	10.1	-18.6	-8.6	20.5	245.2
600.	10.1	-9.9	-2.7	10.2	254.9
610.	10.0	-2.8	3.1	4.1	318.5
620.	10.0	1.9	4.4	4.8	22.8
630.	10.0	-2.4	4.2	4.8	330.7
640.	10.2	-9.8	0.9	9.8	275.5
650.	10.2	-16.1	-4.7	16.8	253.8
660.	10.1	-21.5	-8.4	23.0	248.7
670.	9.8	-22.2	-9.9	24.3	246.0
680.	9.7	-21.2	-13.0	24.9	238.3
690.	9.6	-13.8	-11.6	18.0	229.8
700.	9.6	-6.1	-10.6	12.3	209.7
710.	9.6	-4.5	-8.7	9.8	207.1
720.	9.6	-5.0	-7.5	9.0	213.6
730.	9.6	-2.3	-9.1	9.3	194.2

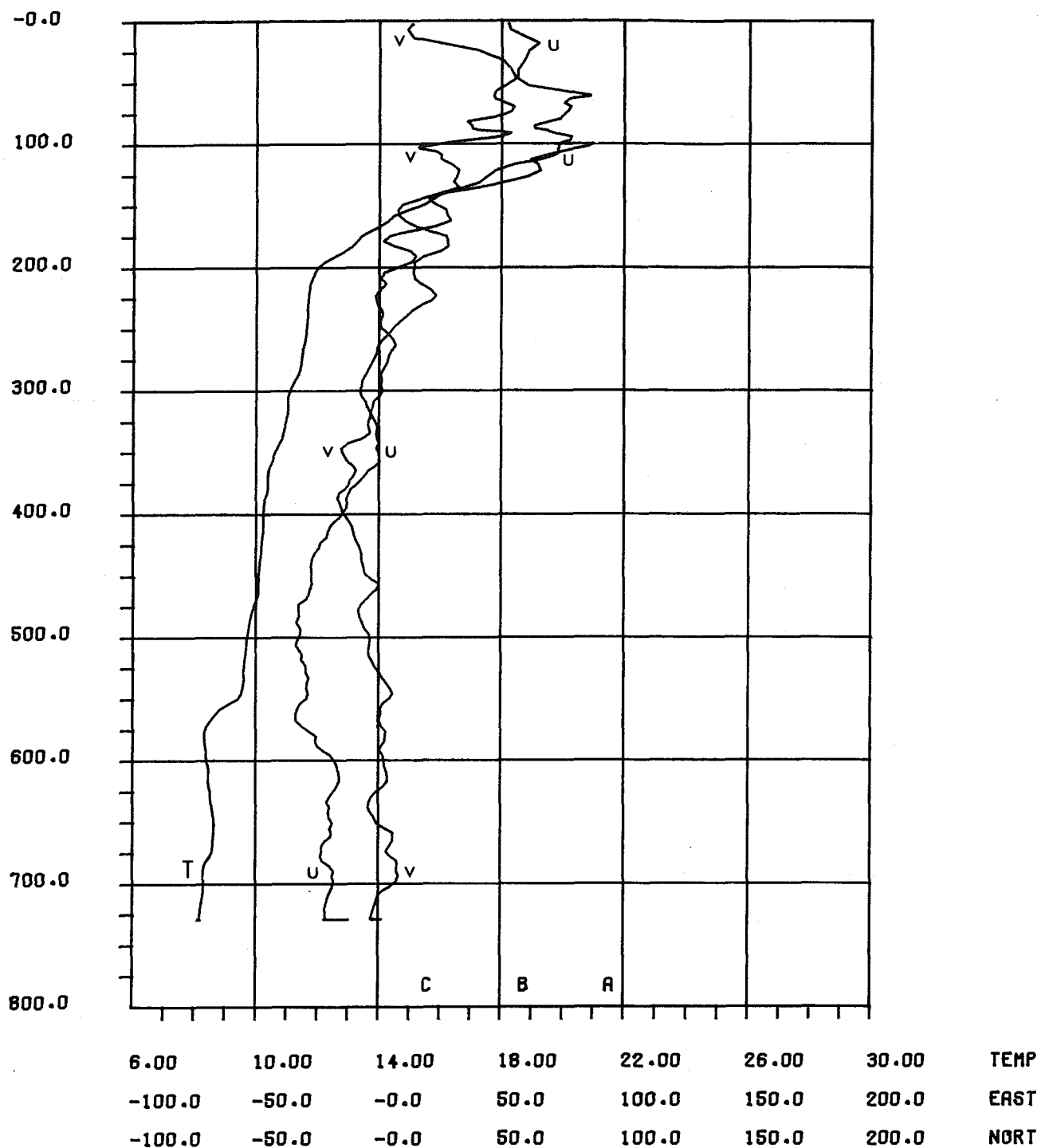
PRESSURE



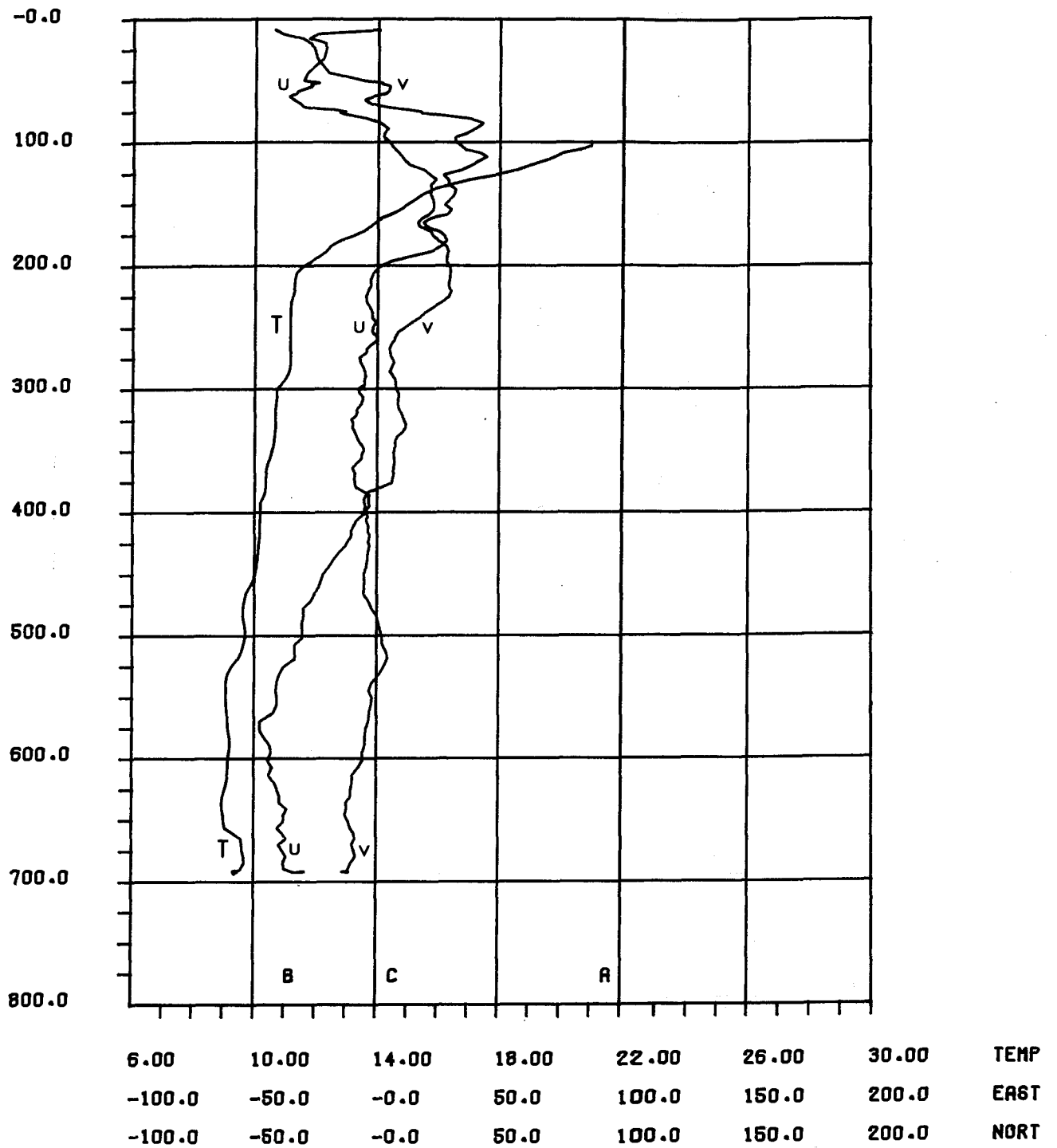
PRESSURE



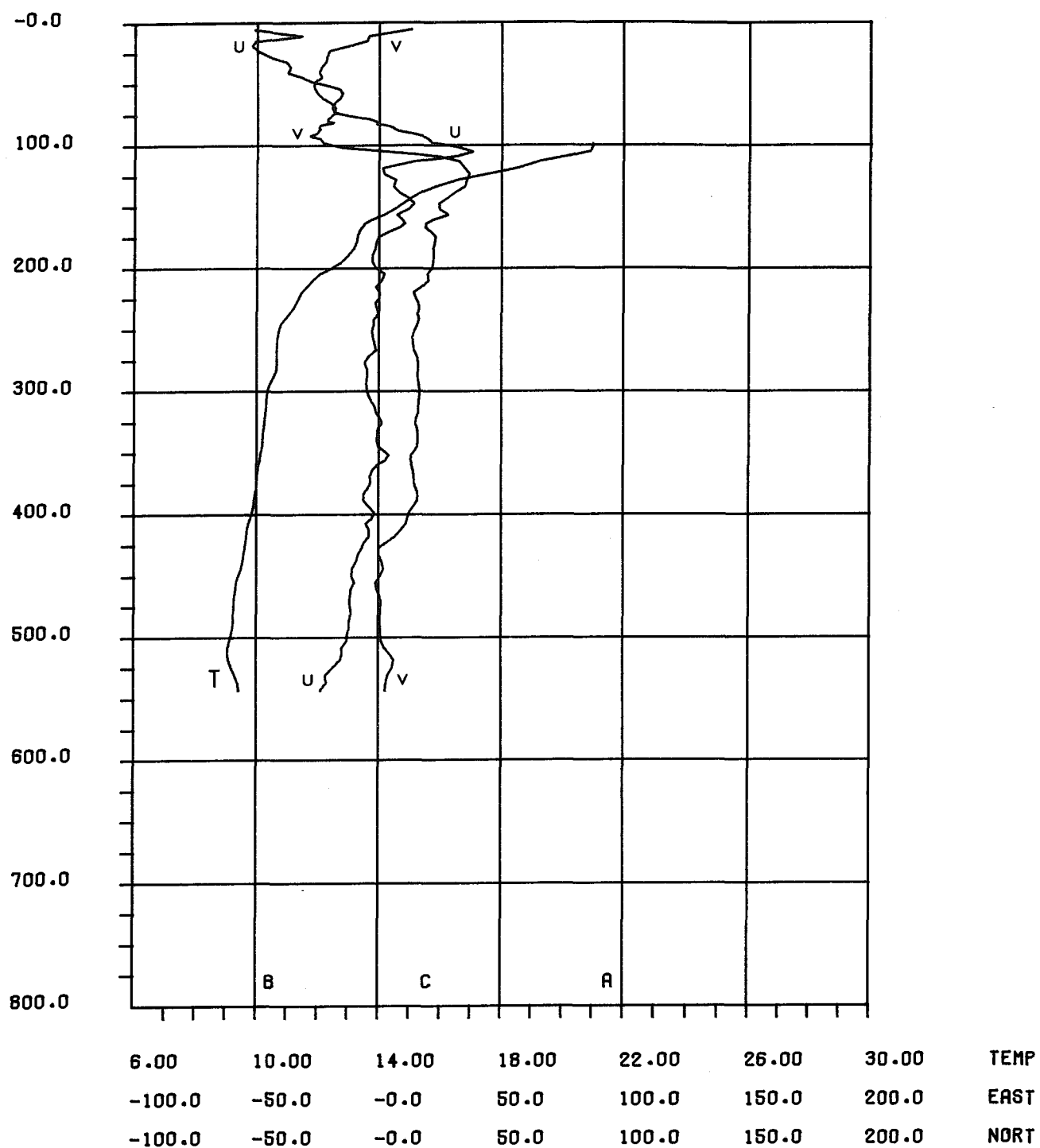
PRESSURE



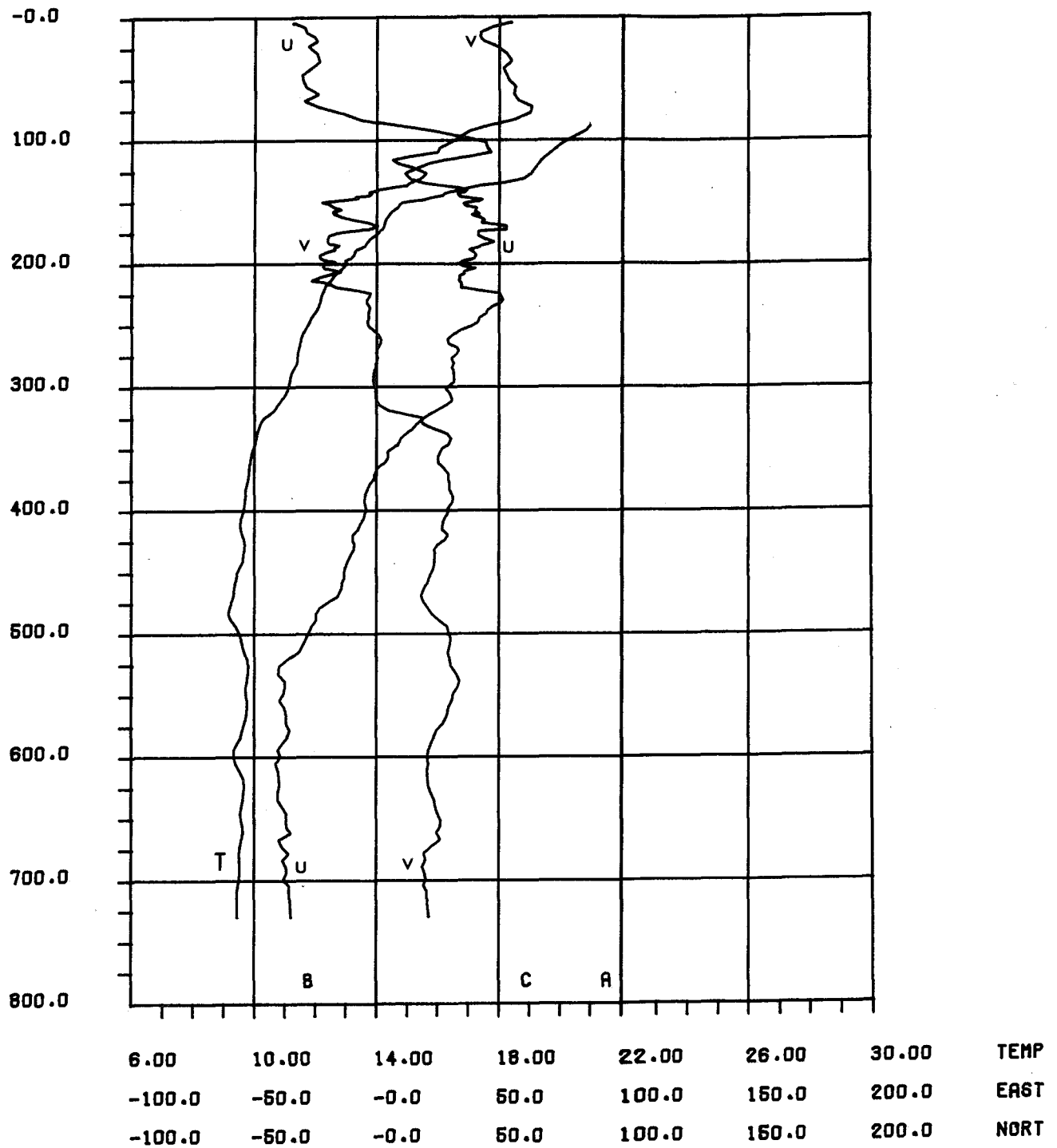
PRESSURE



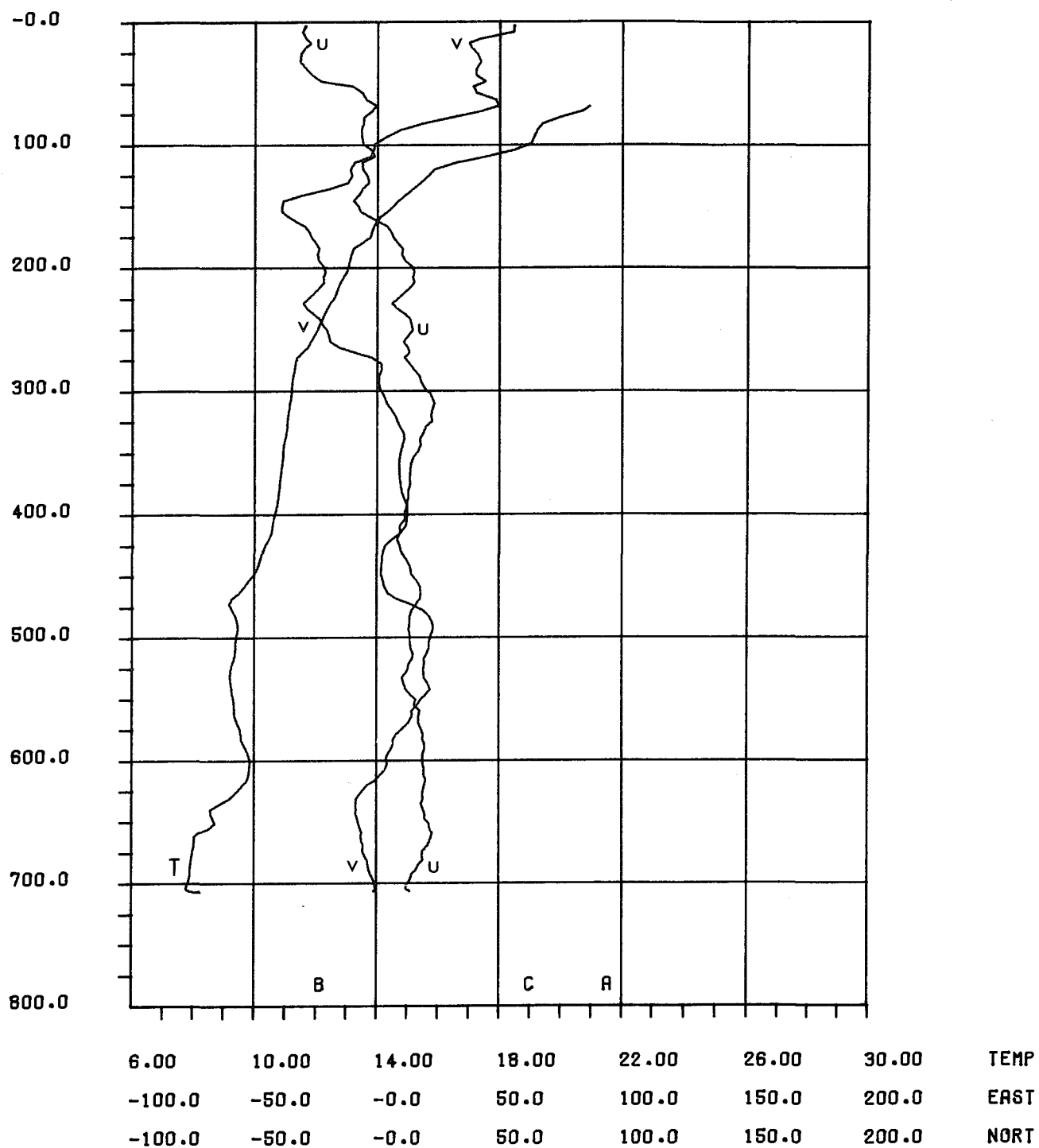
PRESSURE



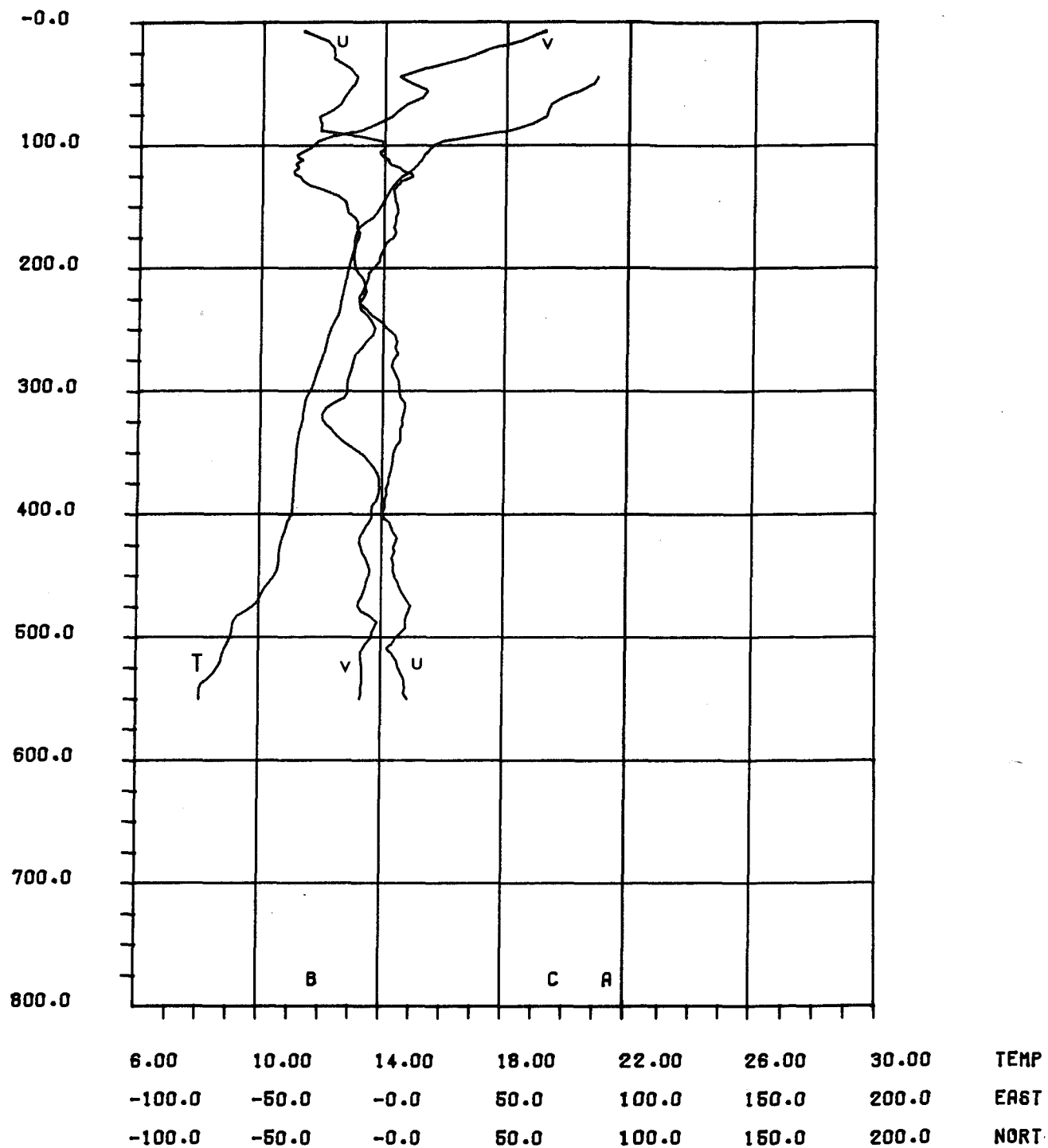
PRESSURE



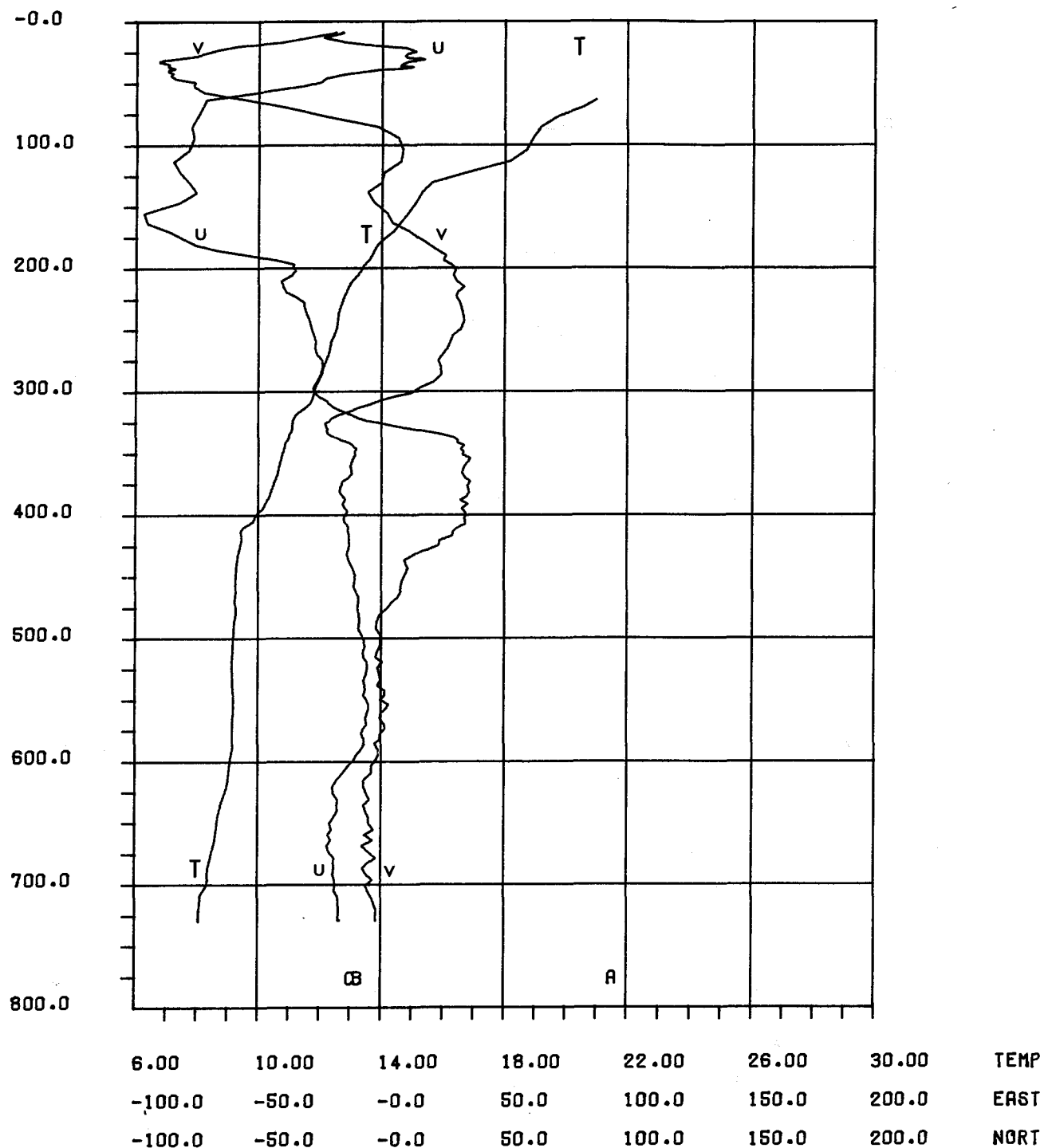
PRESSURE



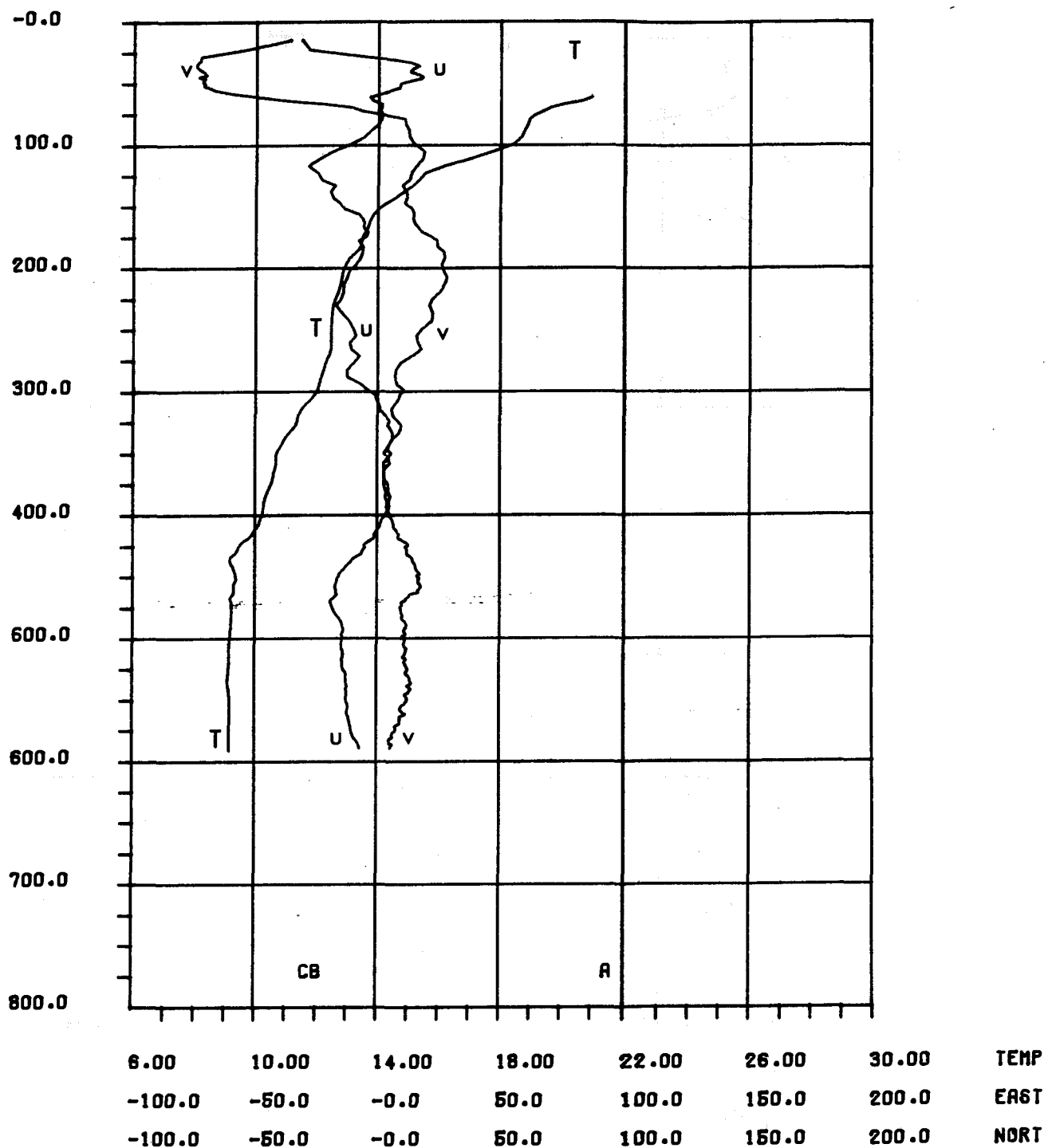
PRESSURE



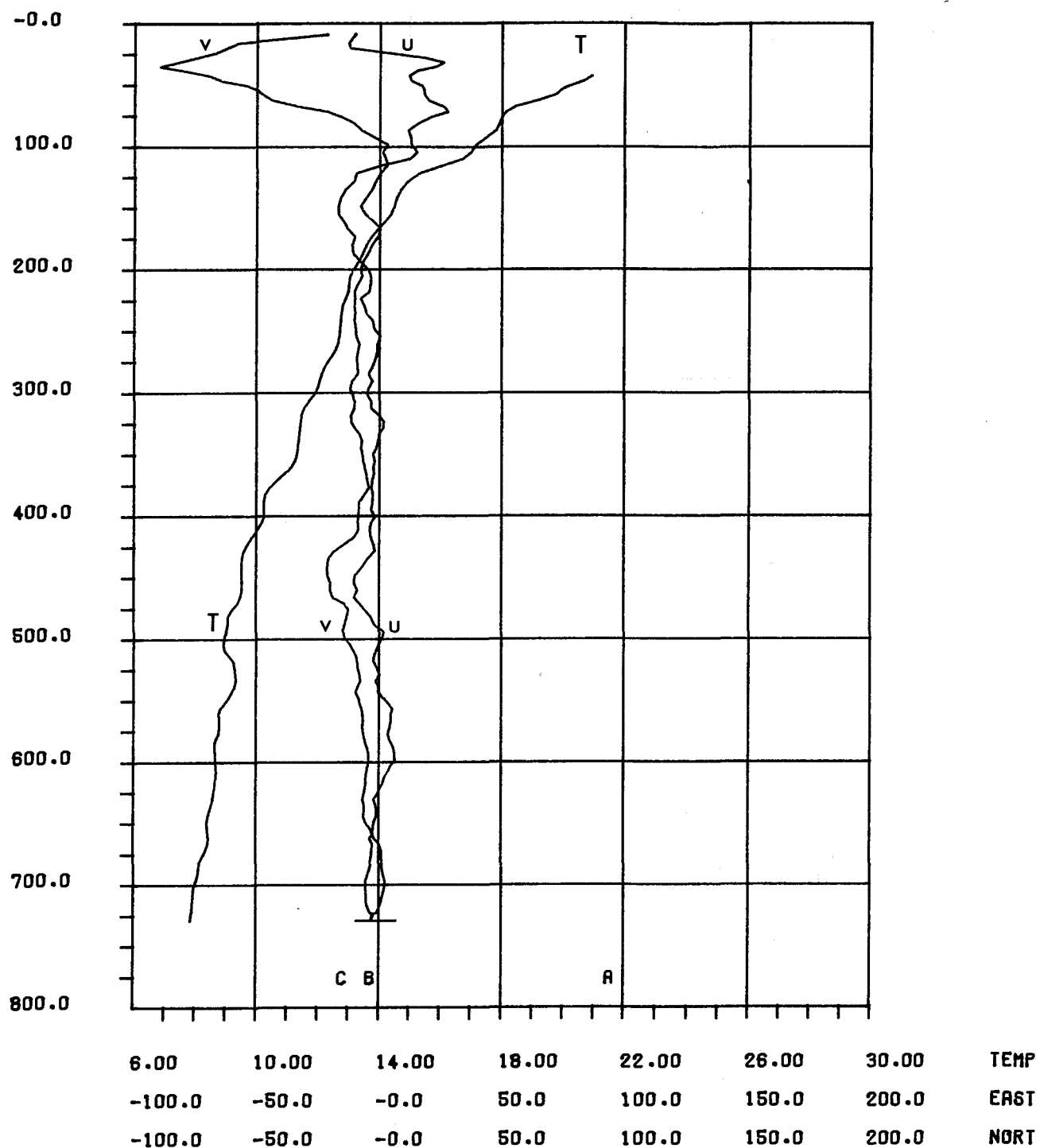
PRESSURE



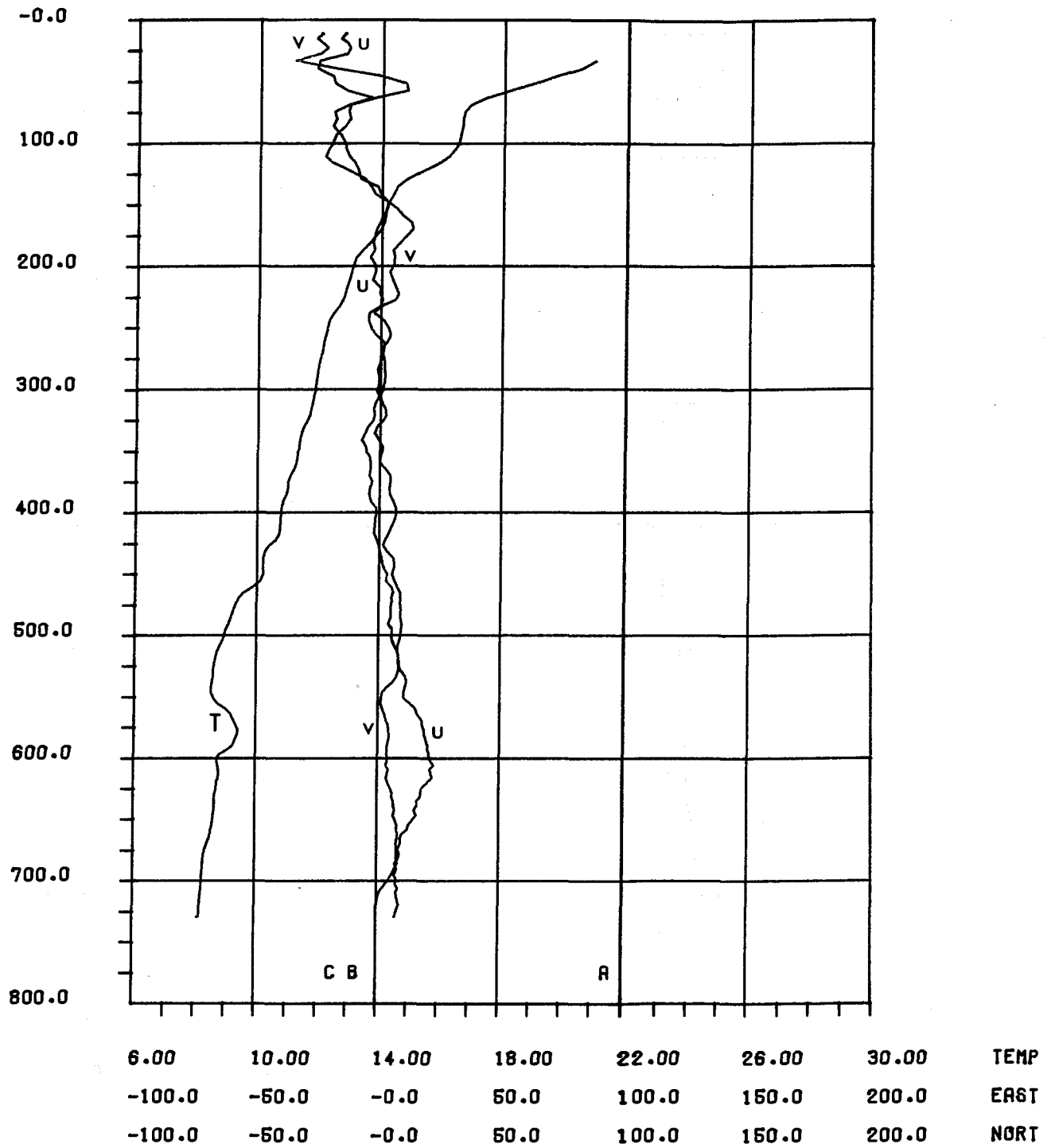
PRESSURE



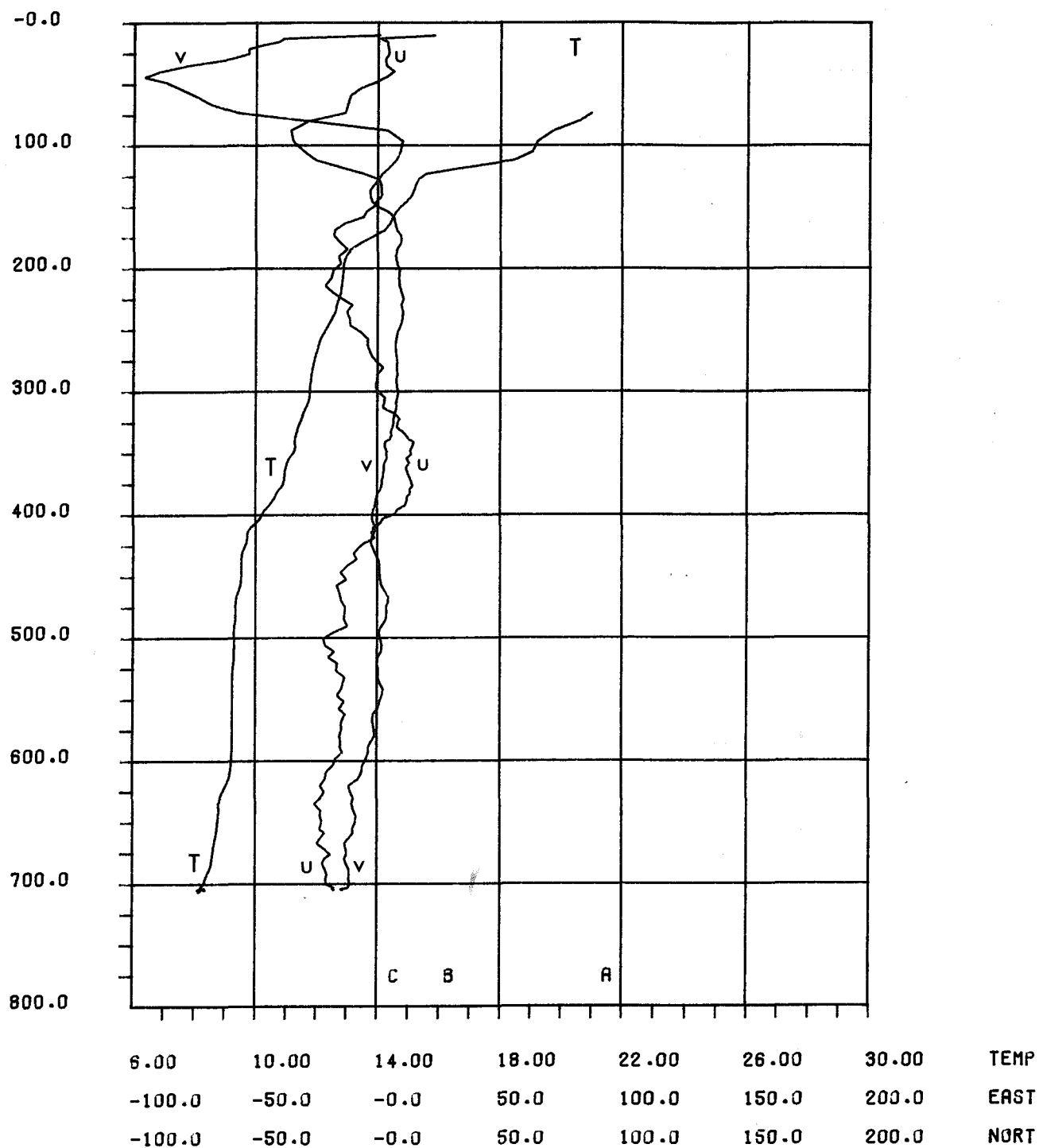
PRESSURE



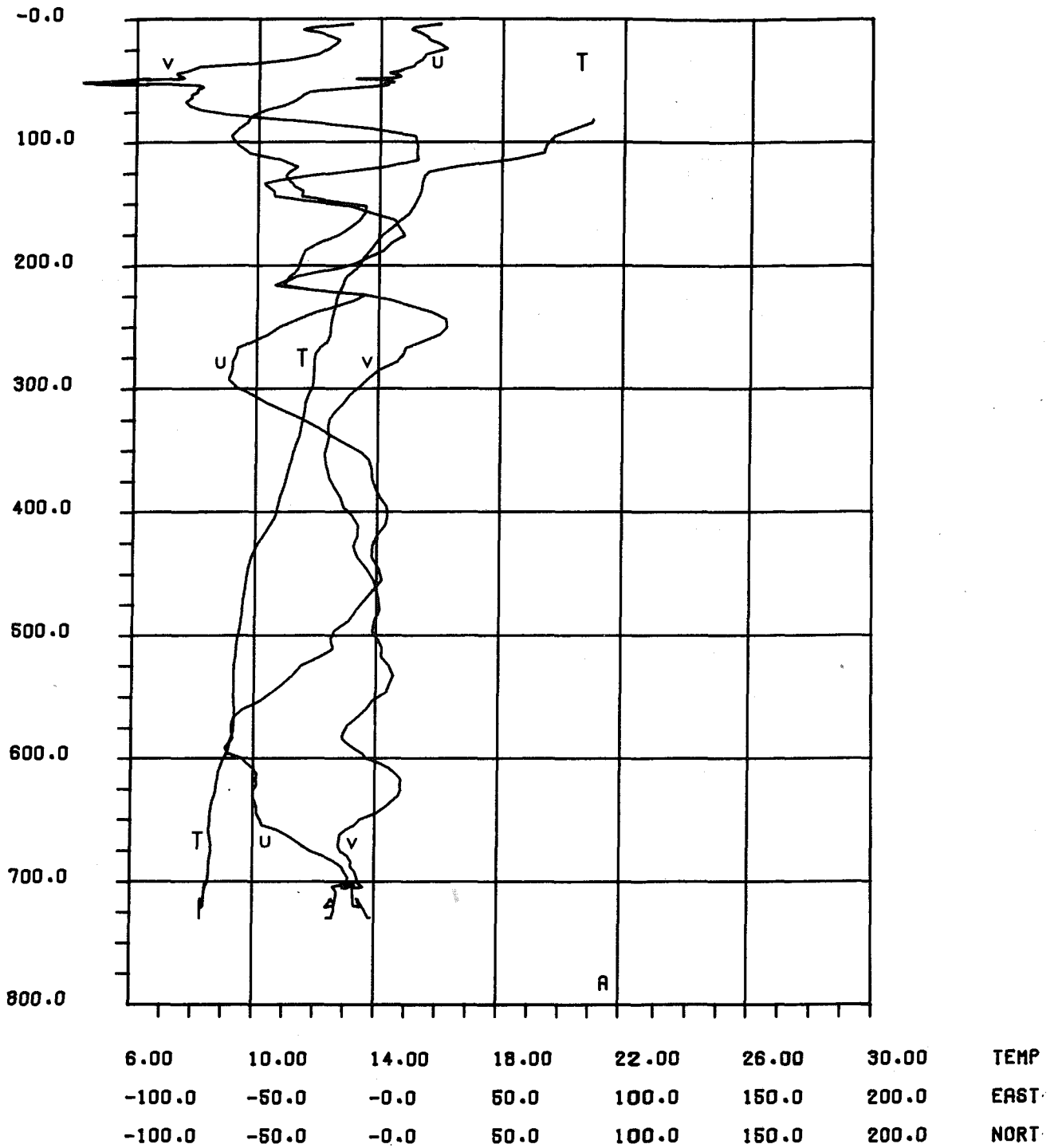
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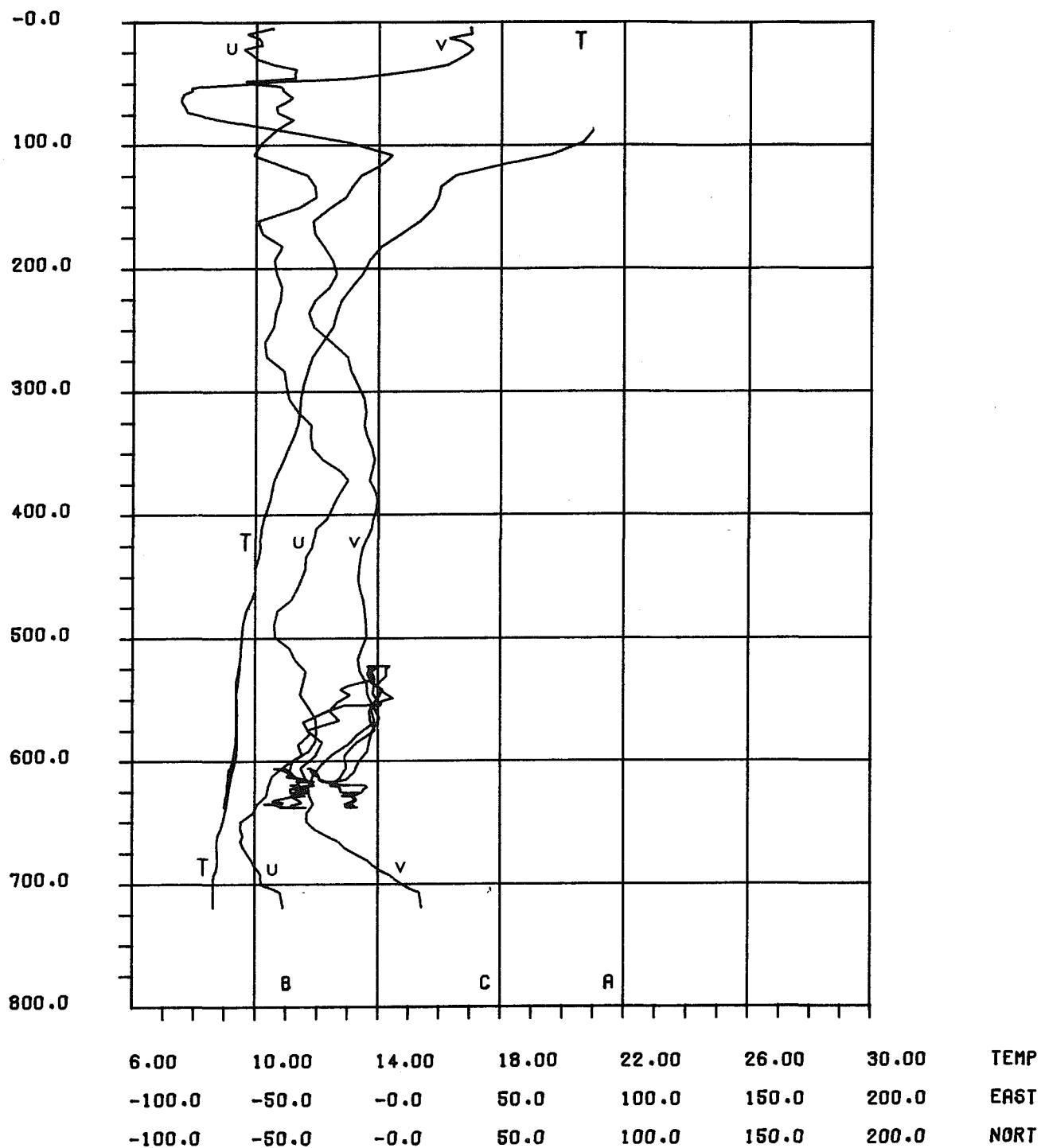
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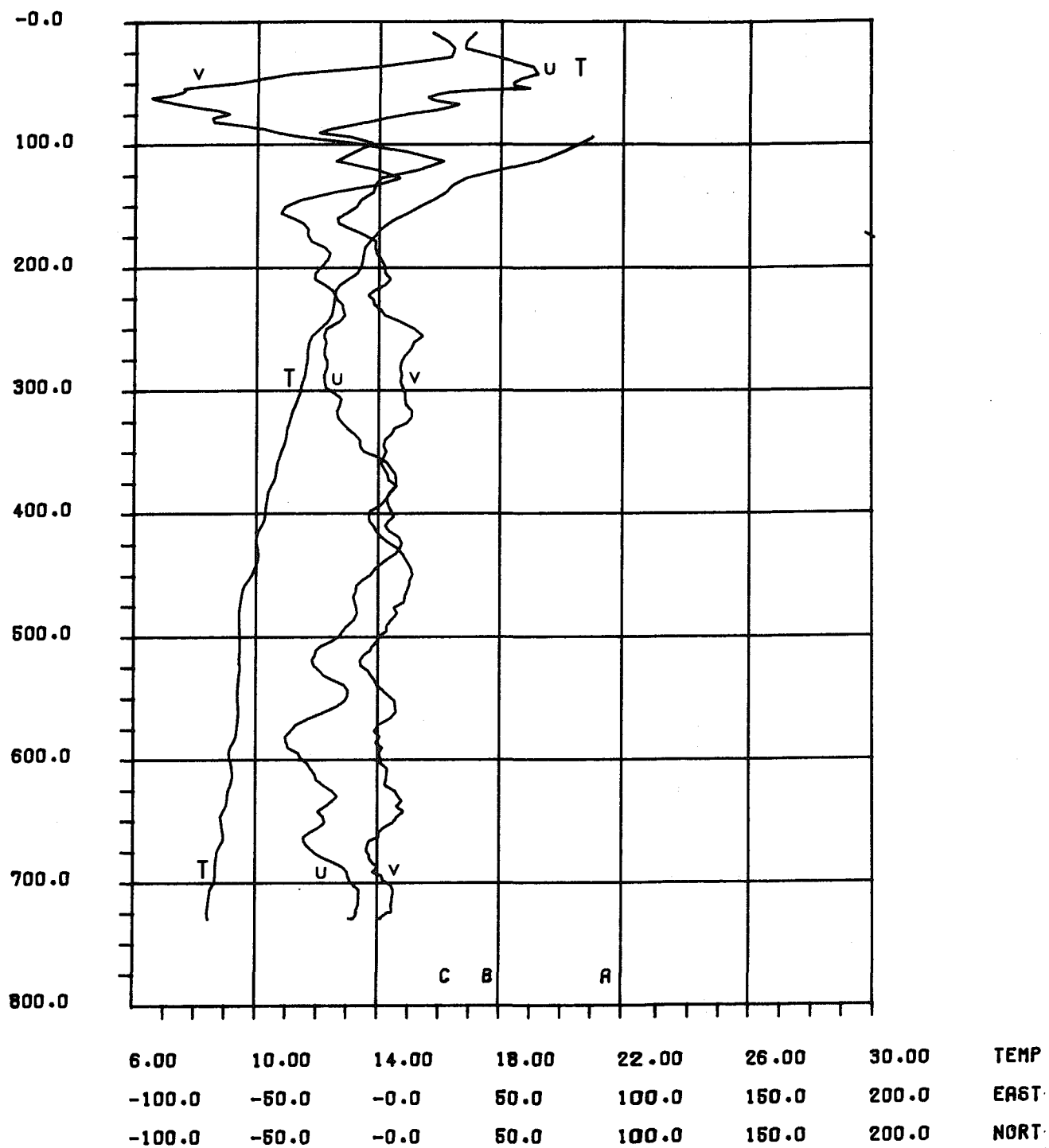
PRESSURE



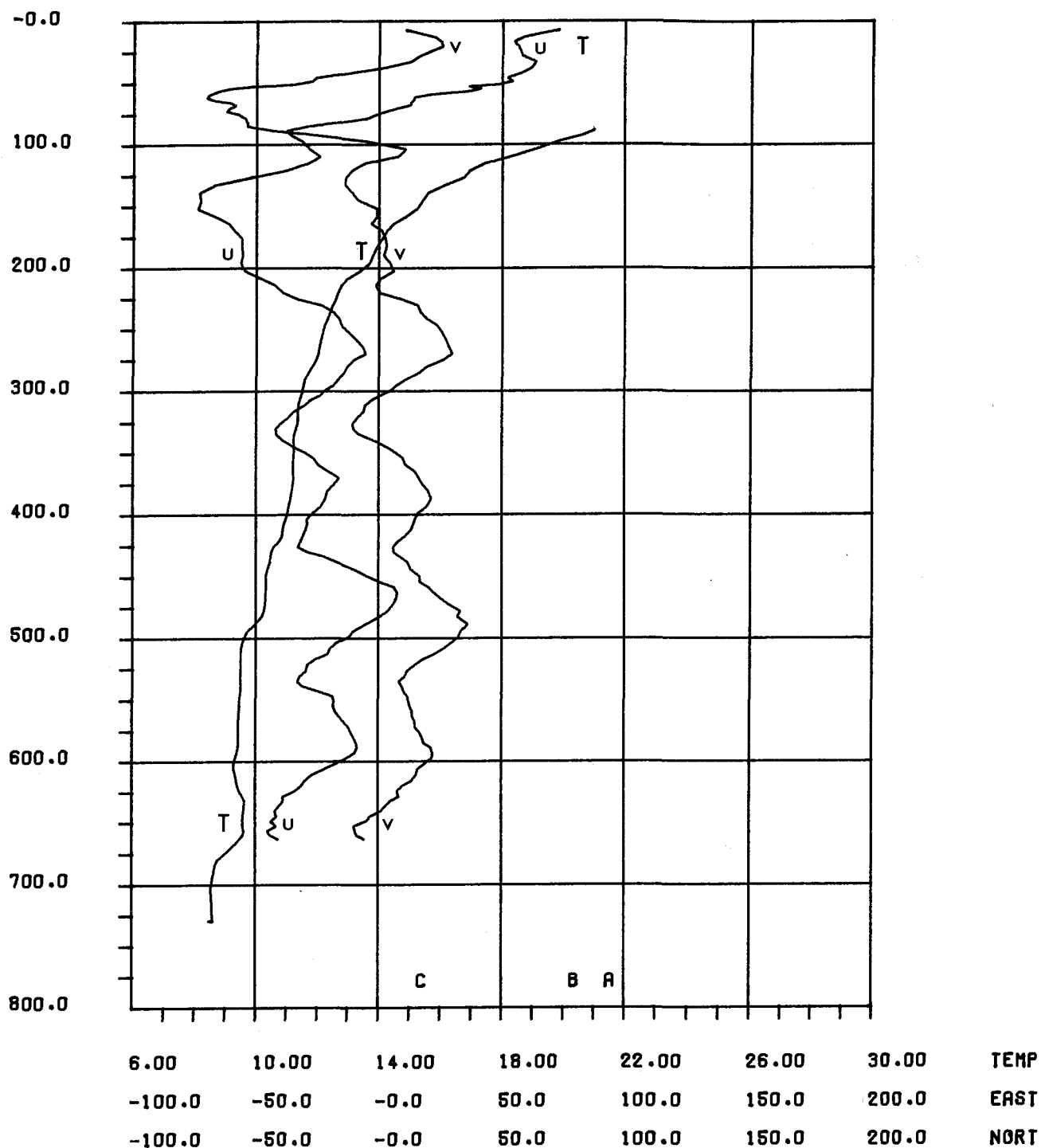
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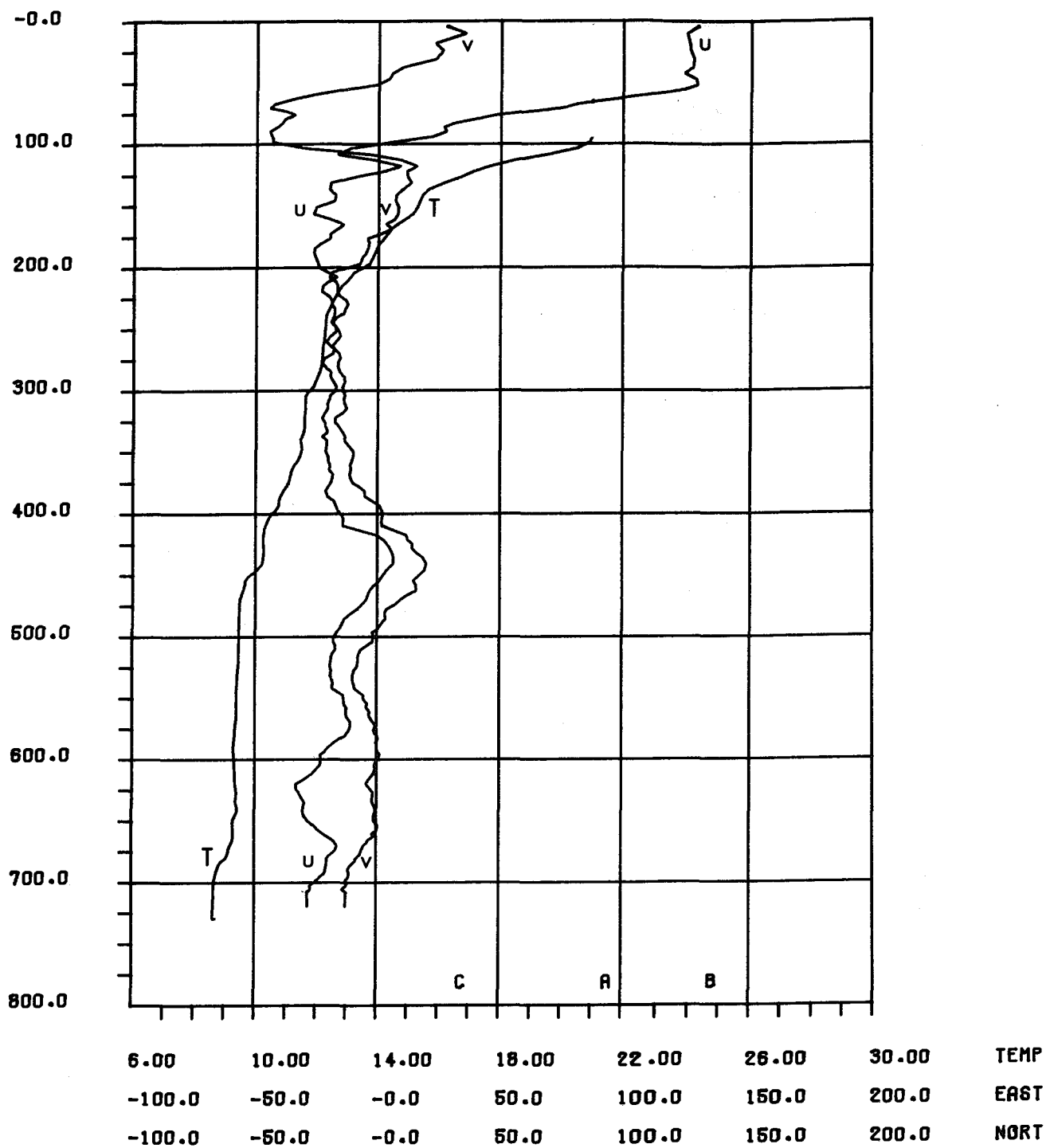
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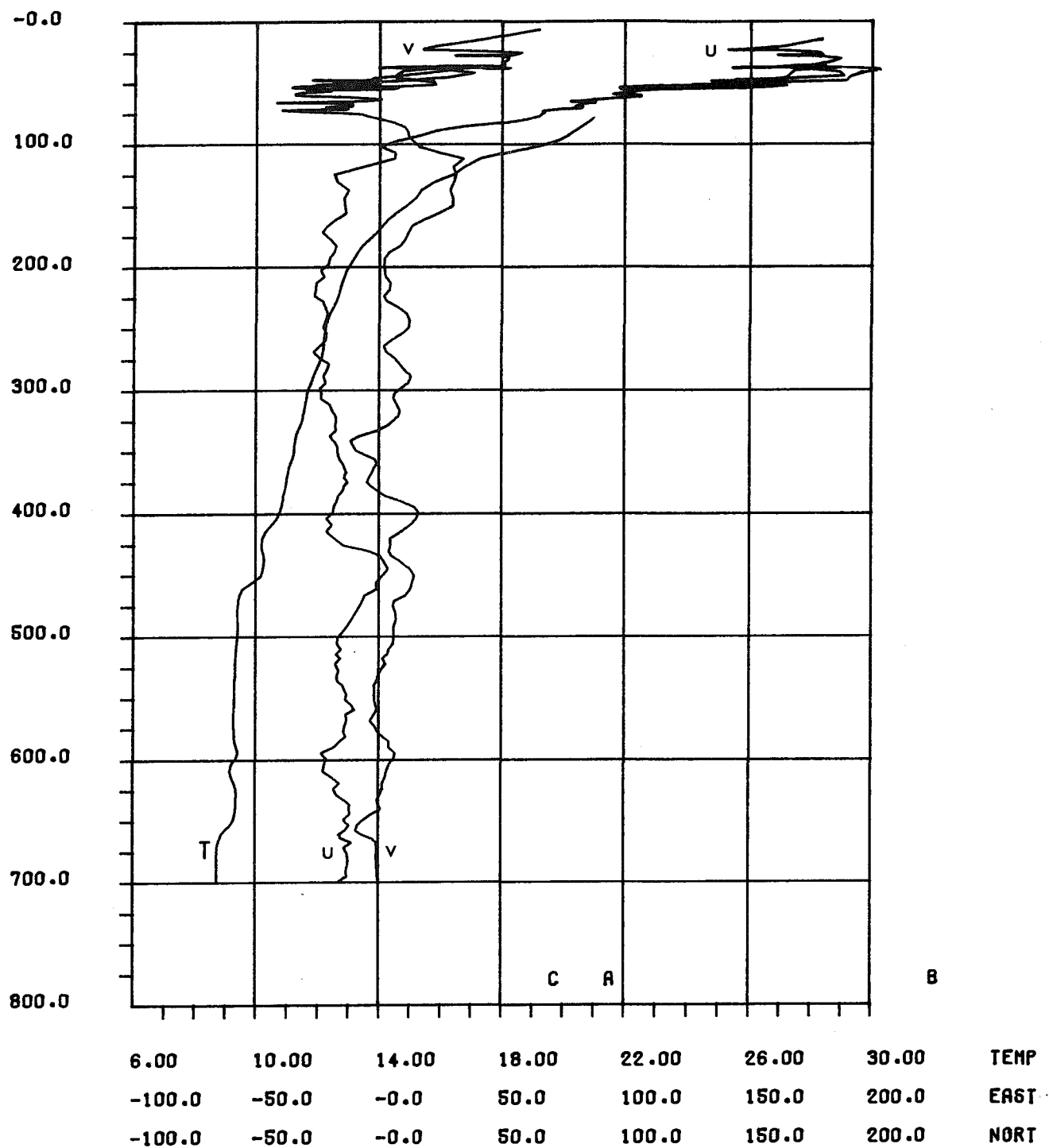
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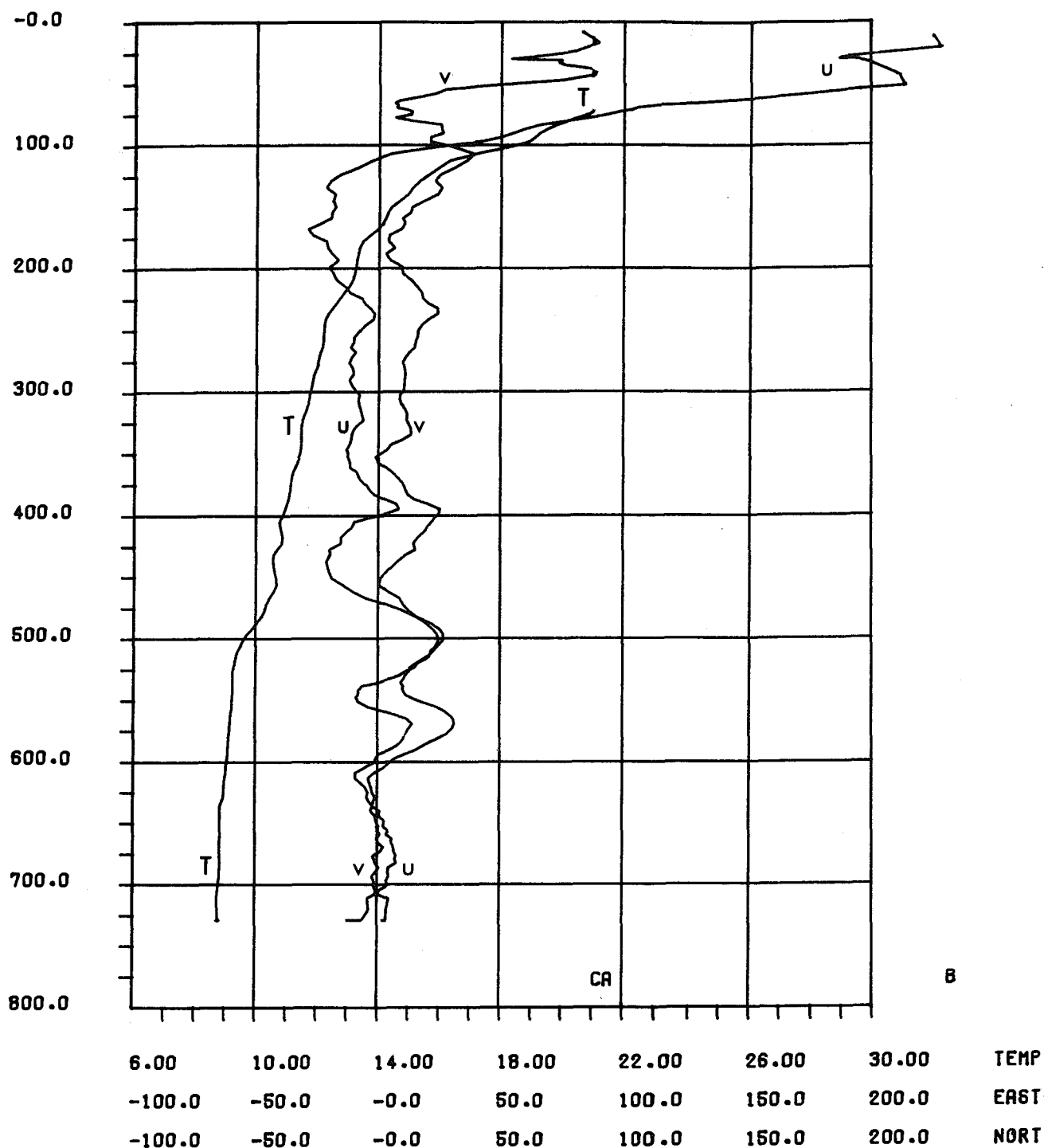
PRESSURE



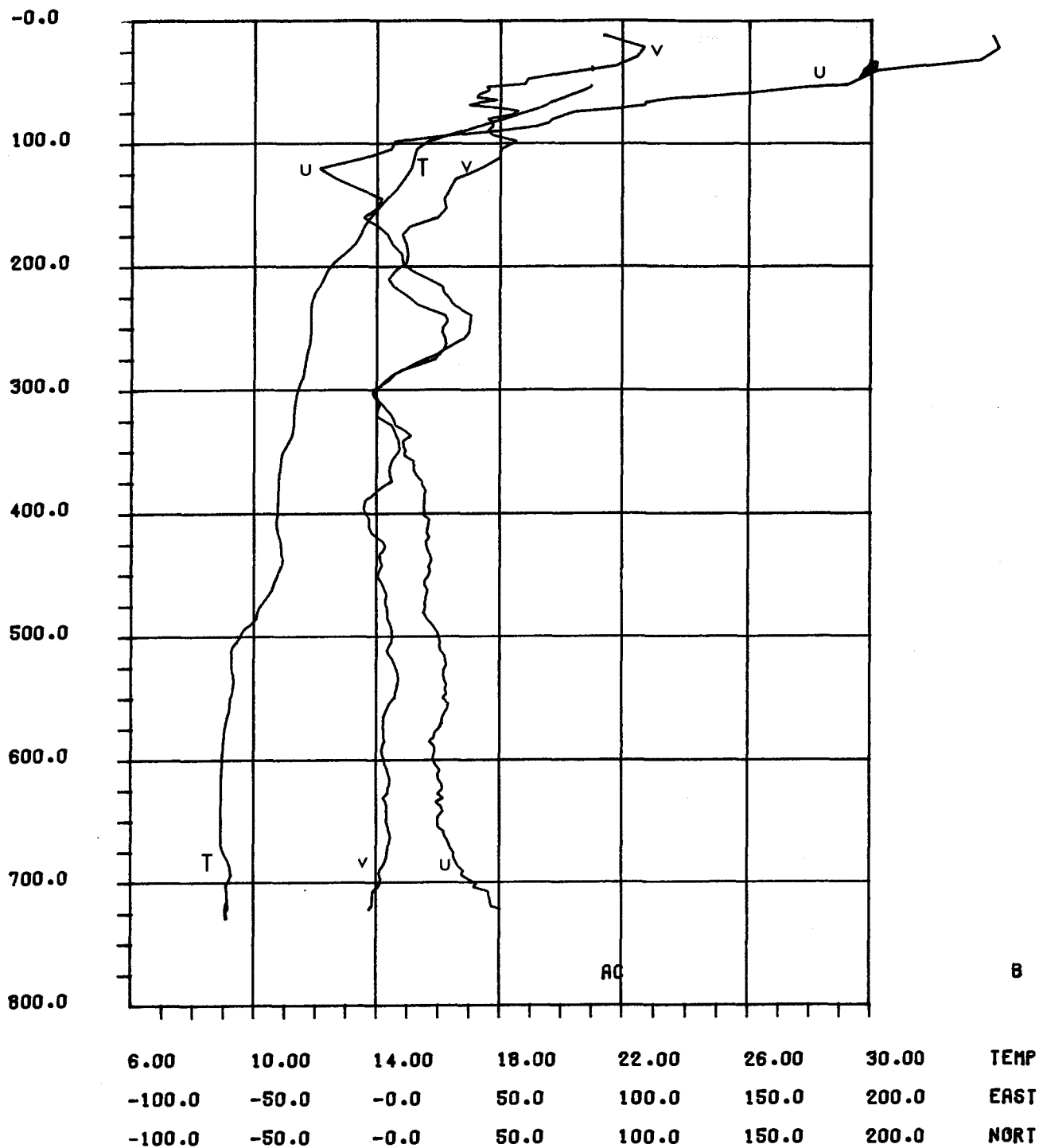
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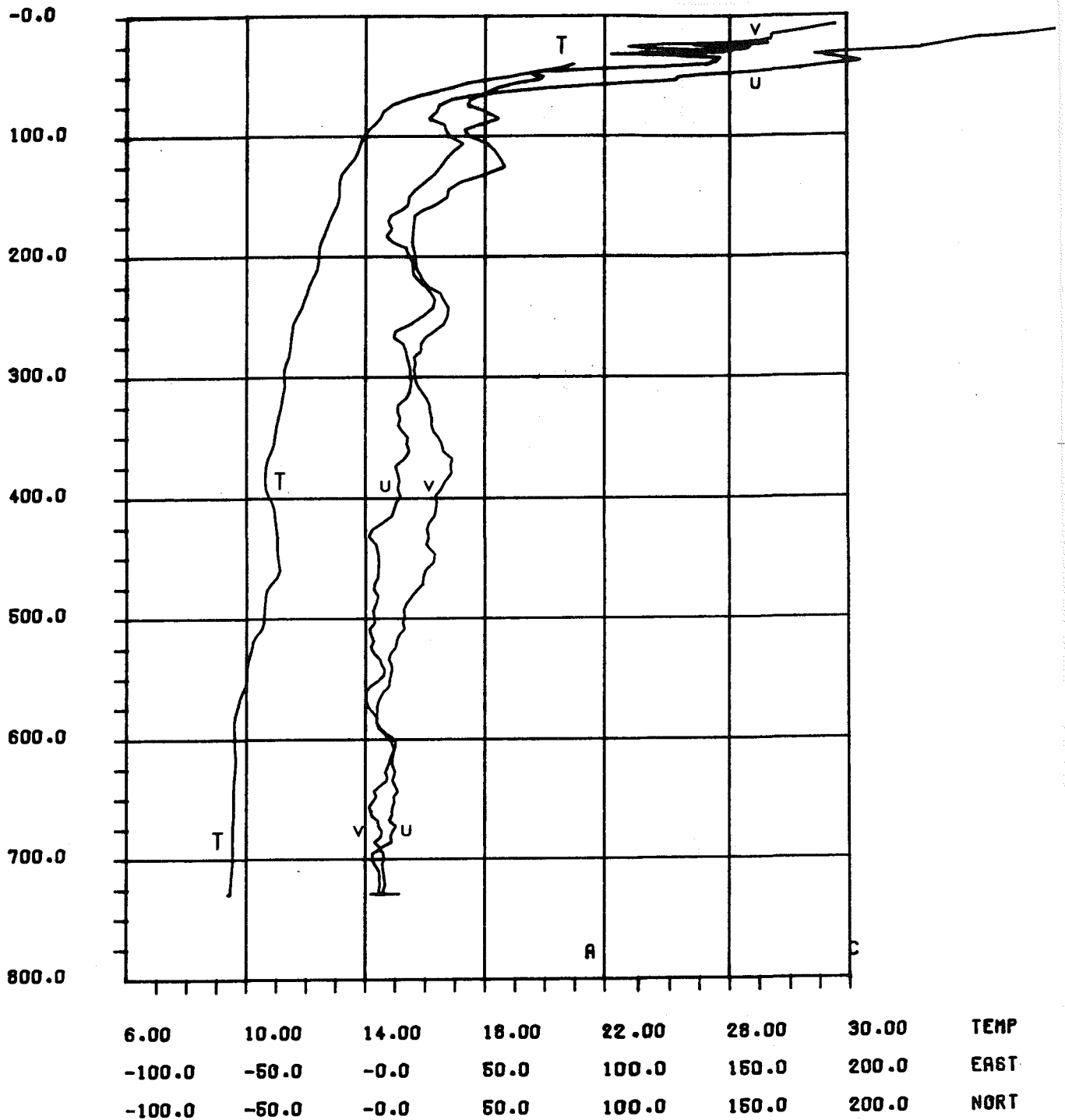
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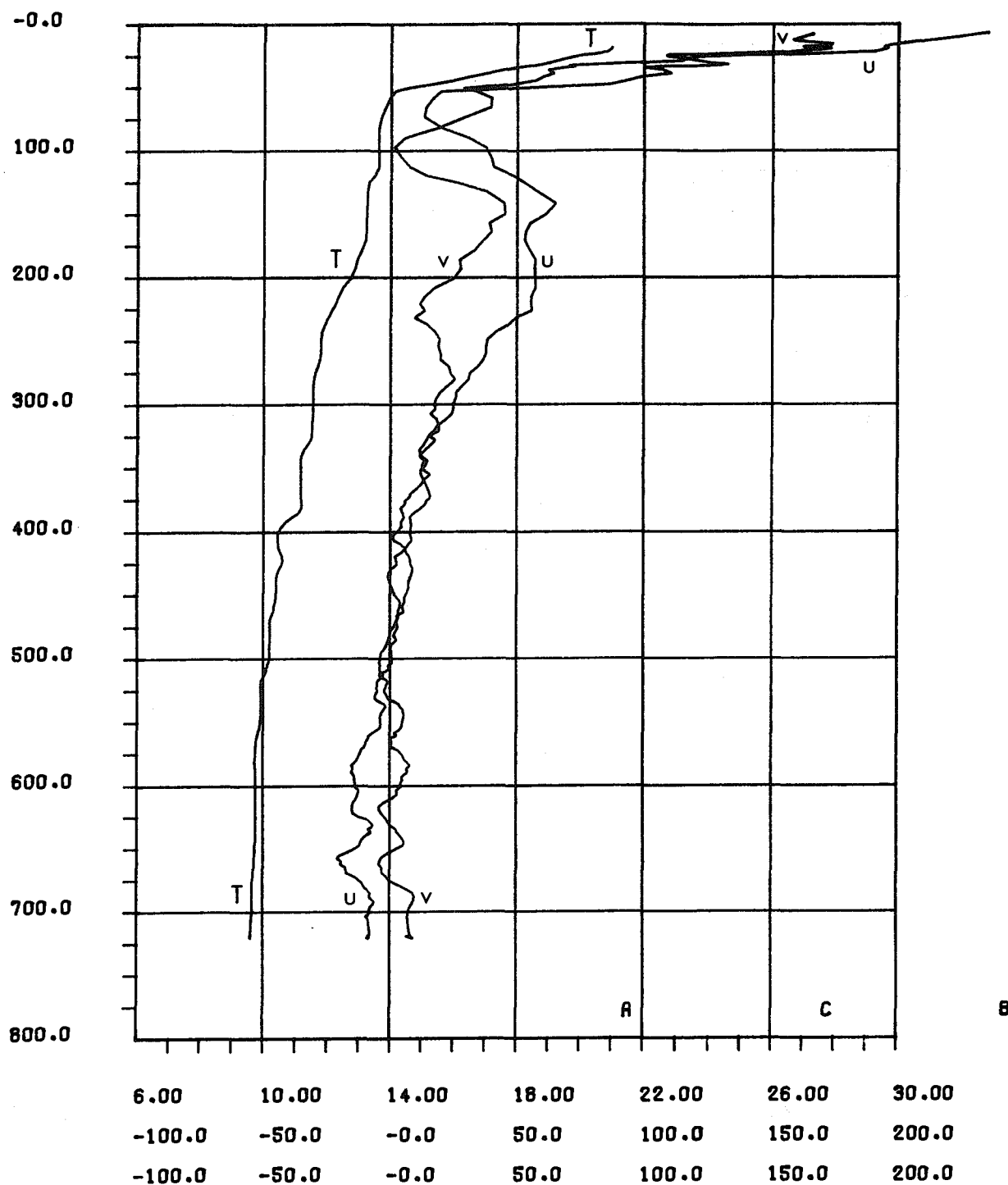
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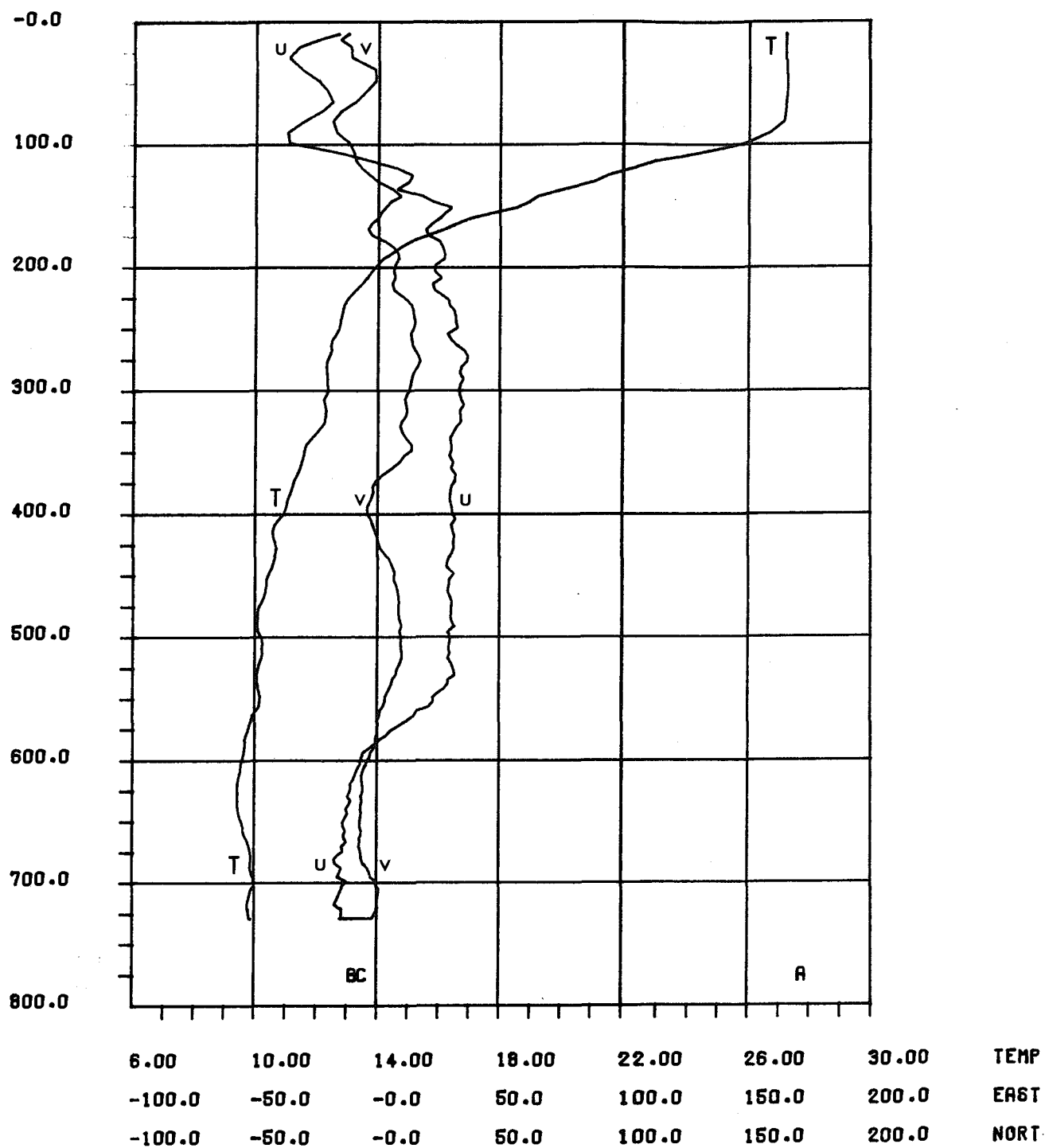
PRESSURE



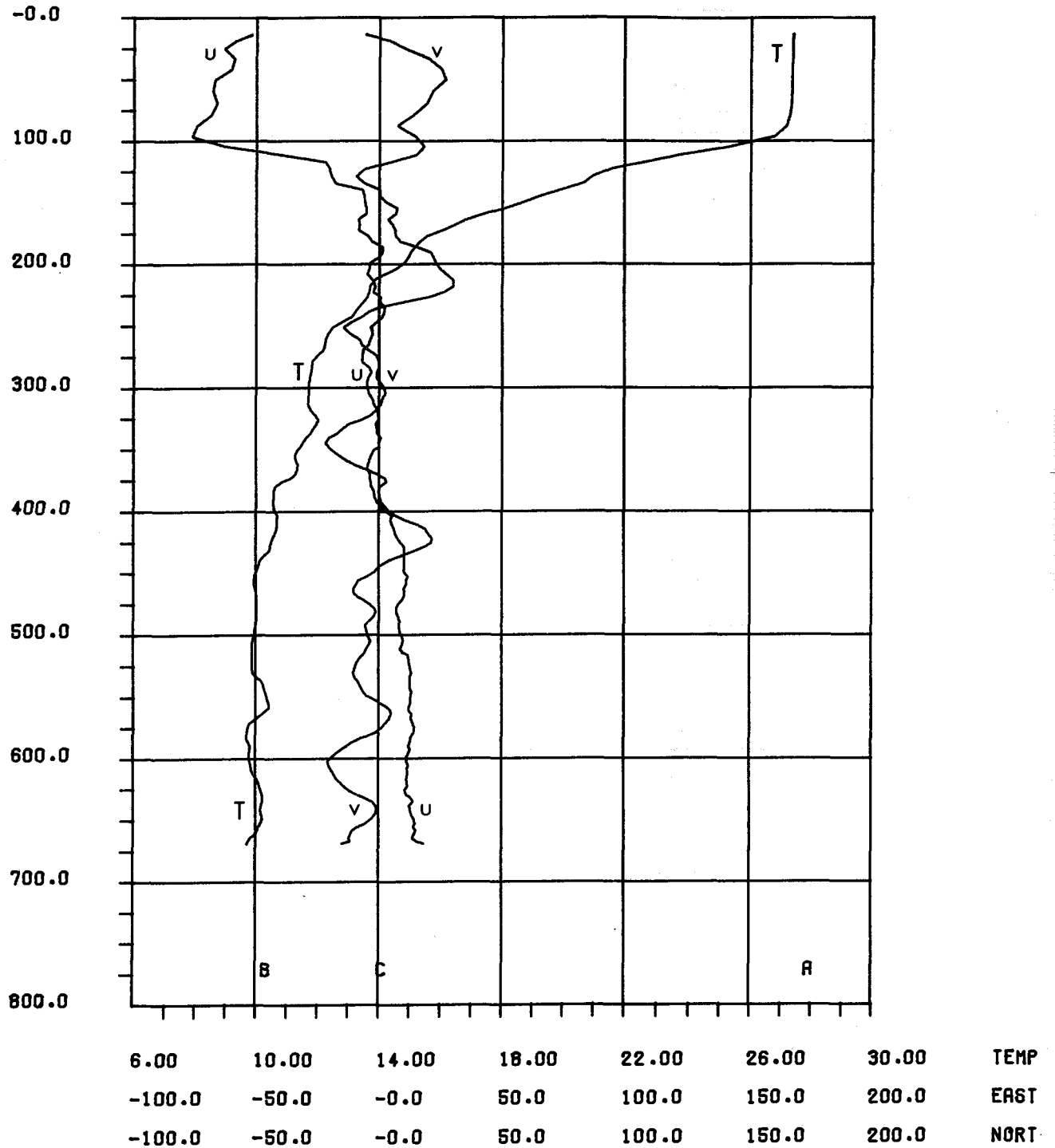
PRESSURE



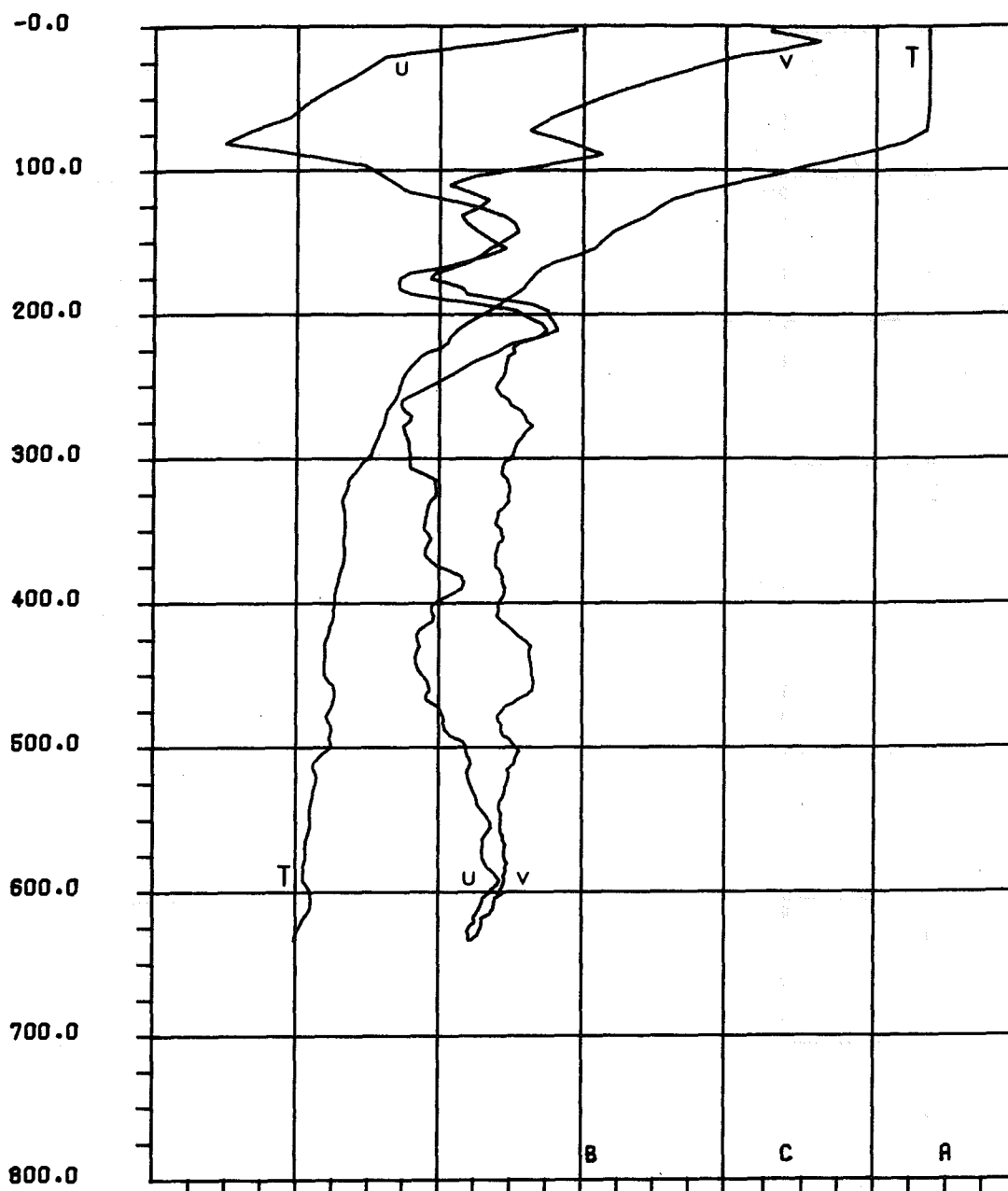
PRESSURE



PRESSURE

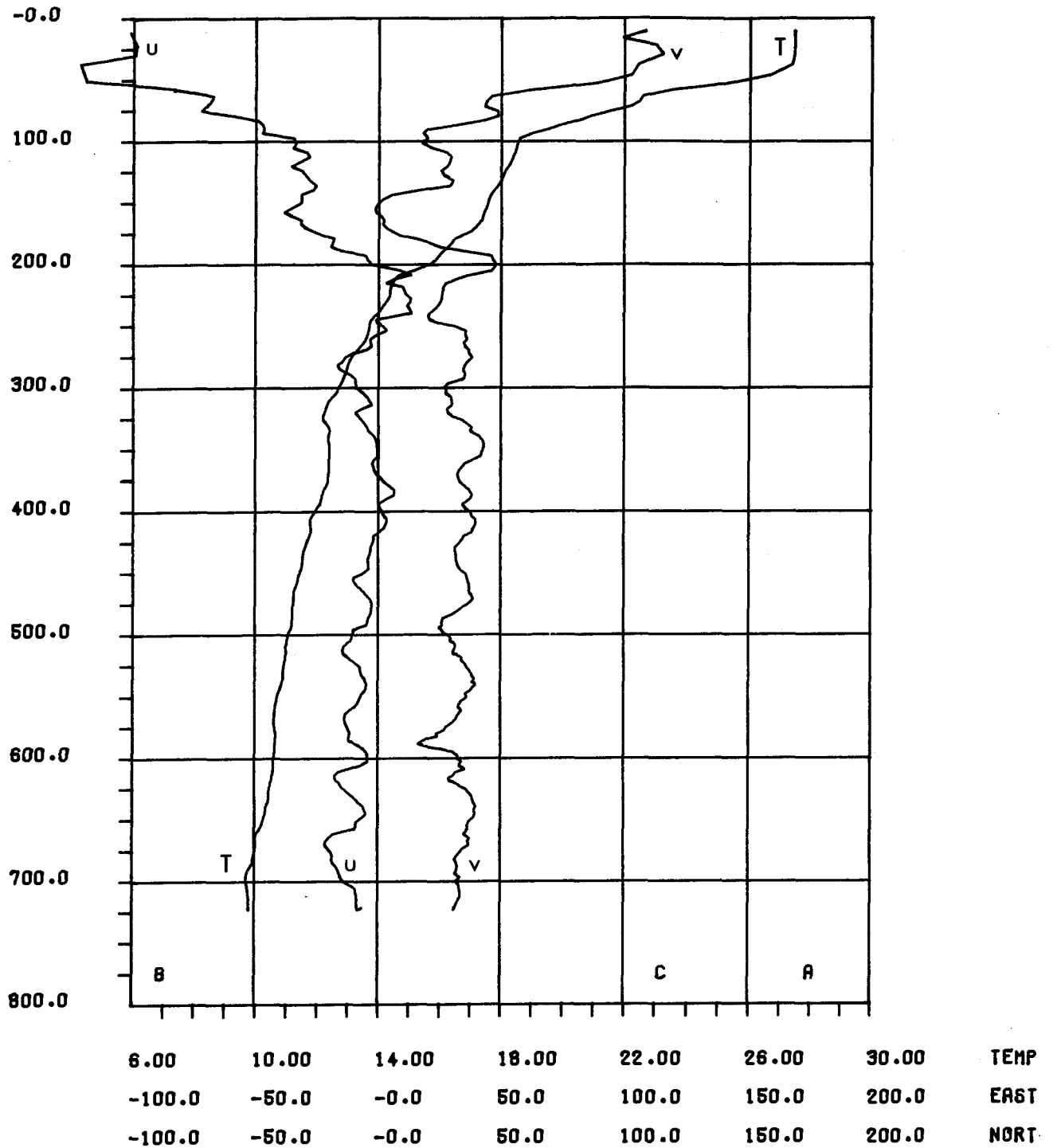


PRESSURE

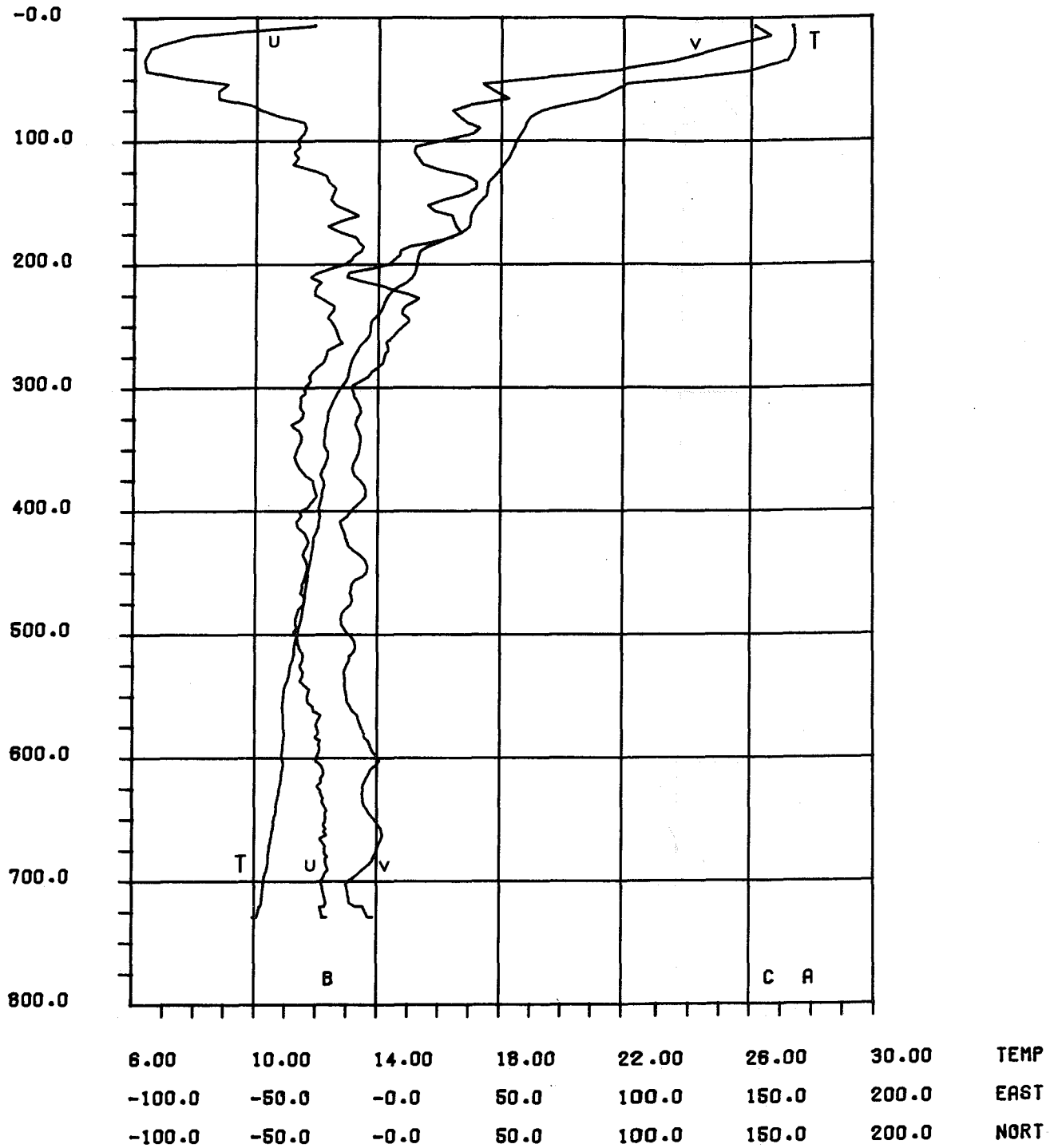


6.00	10.00	14.00	18.00	22.00	26.00	30.00	TEMP
-100.0	-50.0	-0.0	50.0	100.0	150.0	200.0	EAST
-100.0	-50.0	-0.0	50.0	100.0	150.0	200.0	NORT

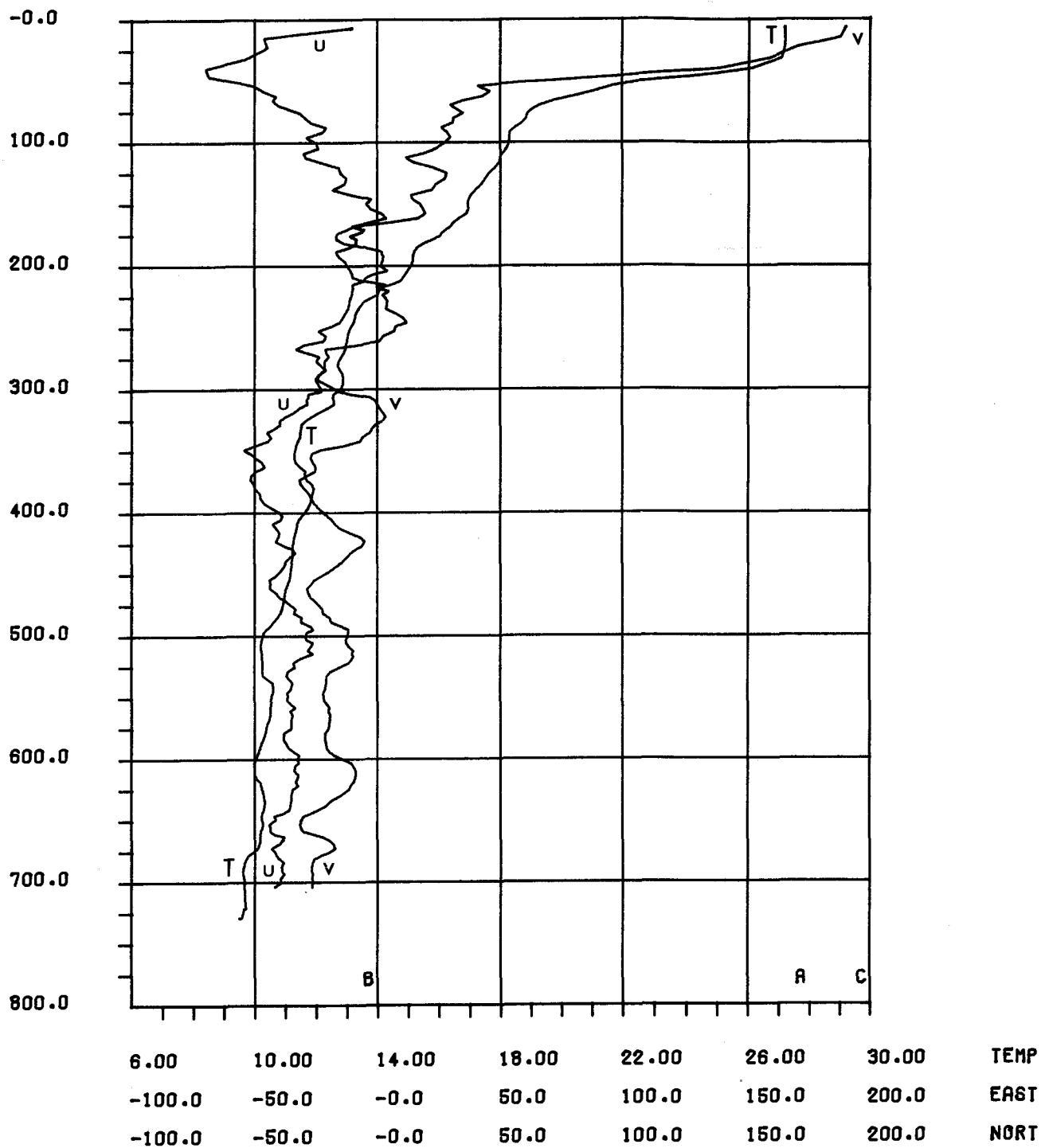
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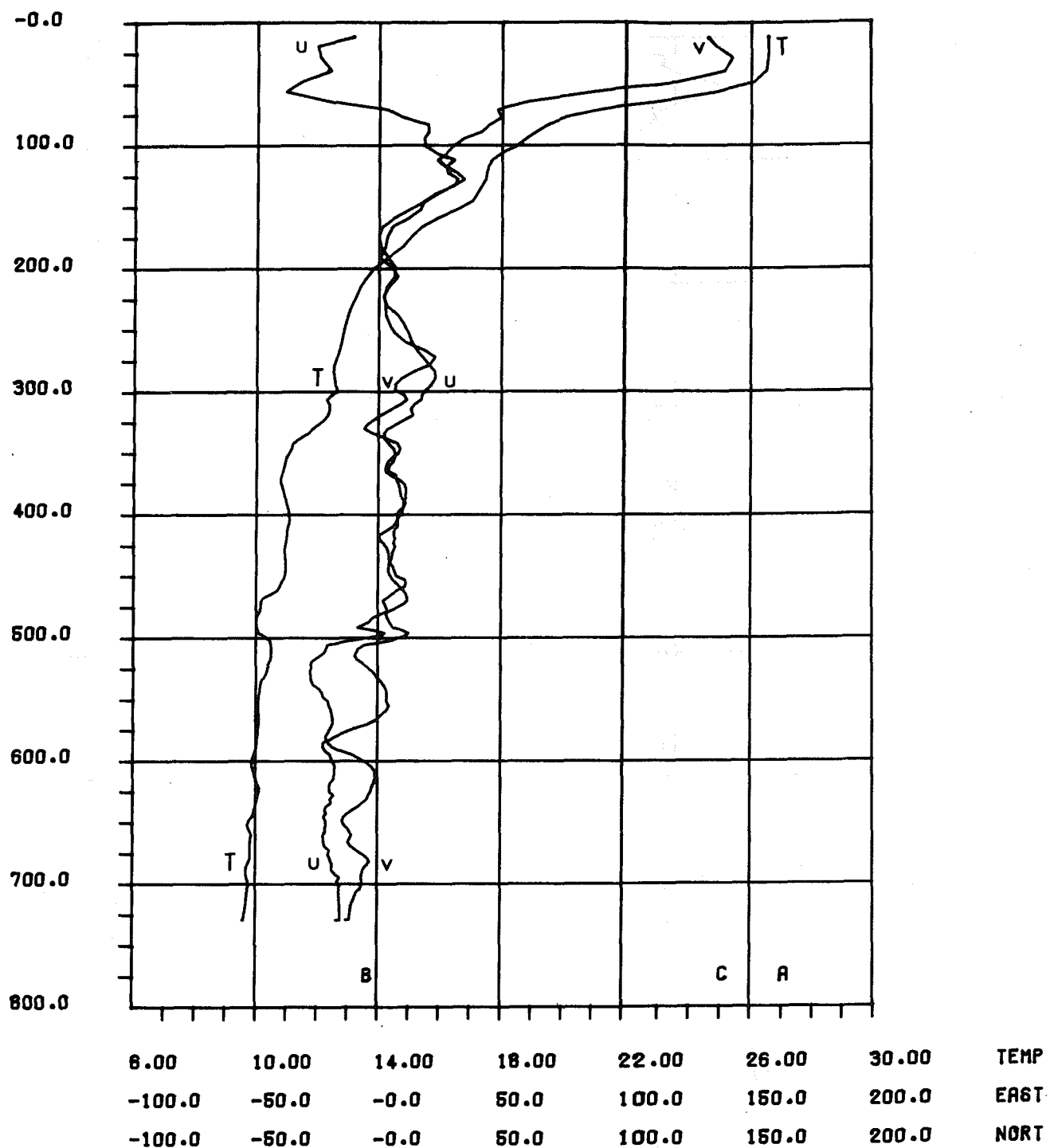
PRESSURE



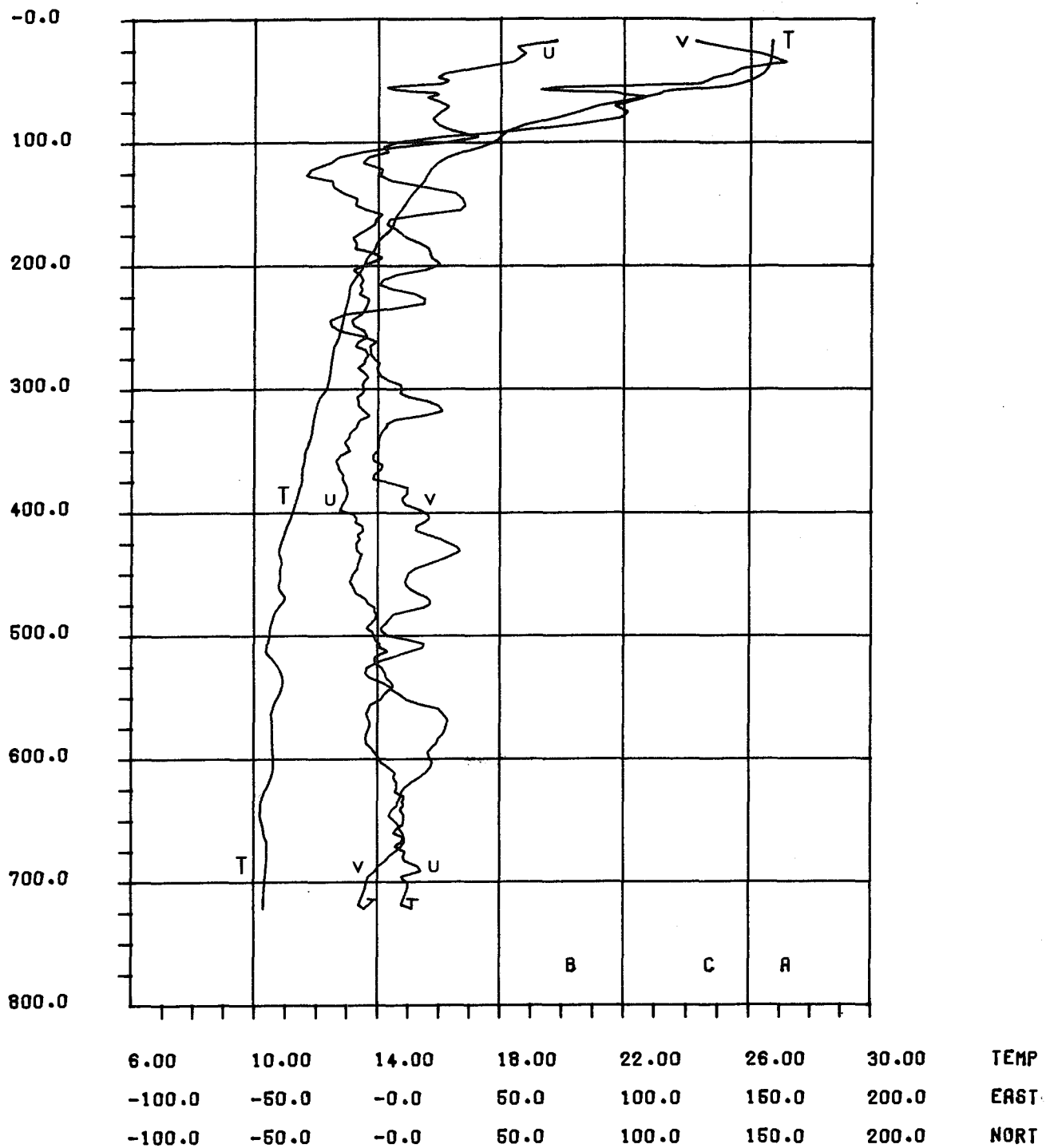
PRESSURE



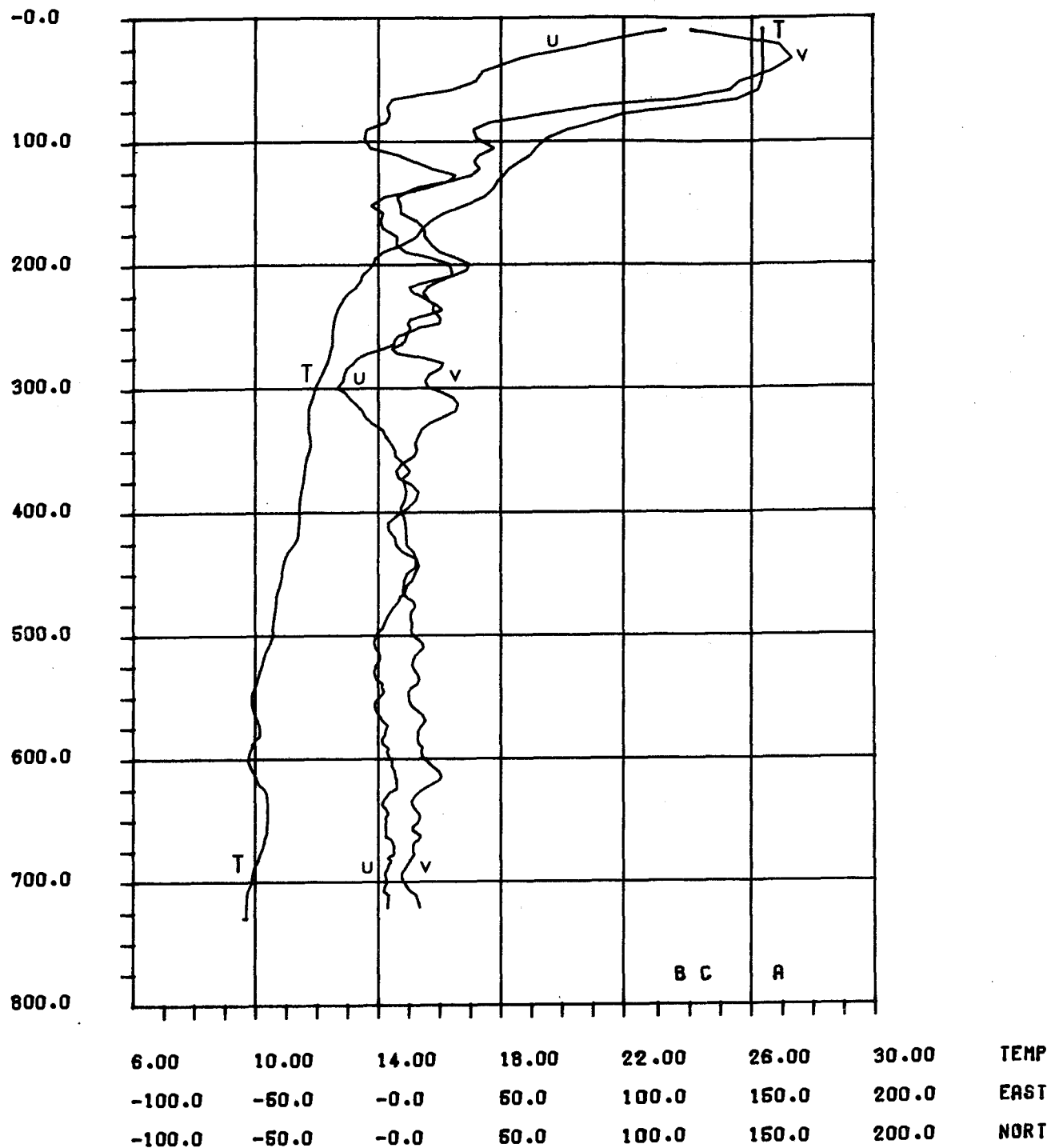
PRESSURE



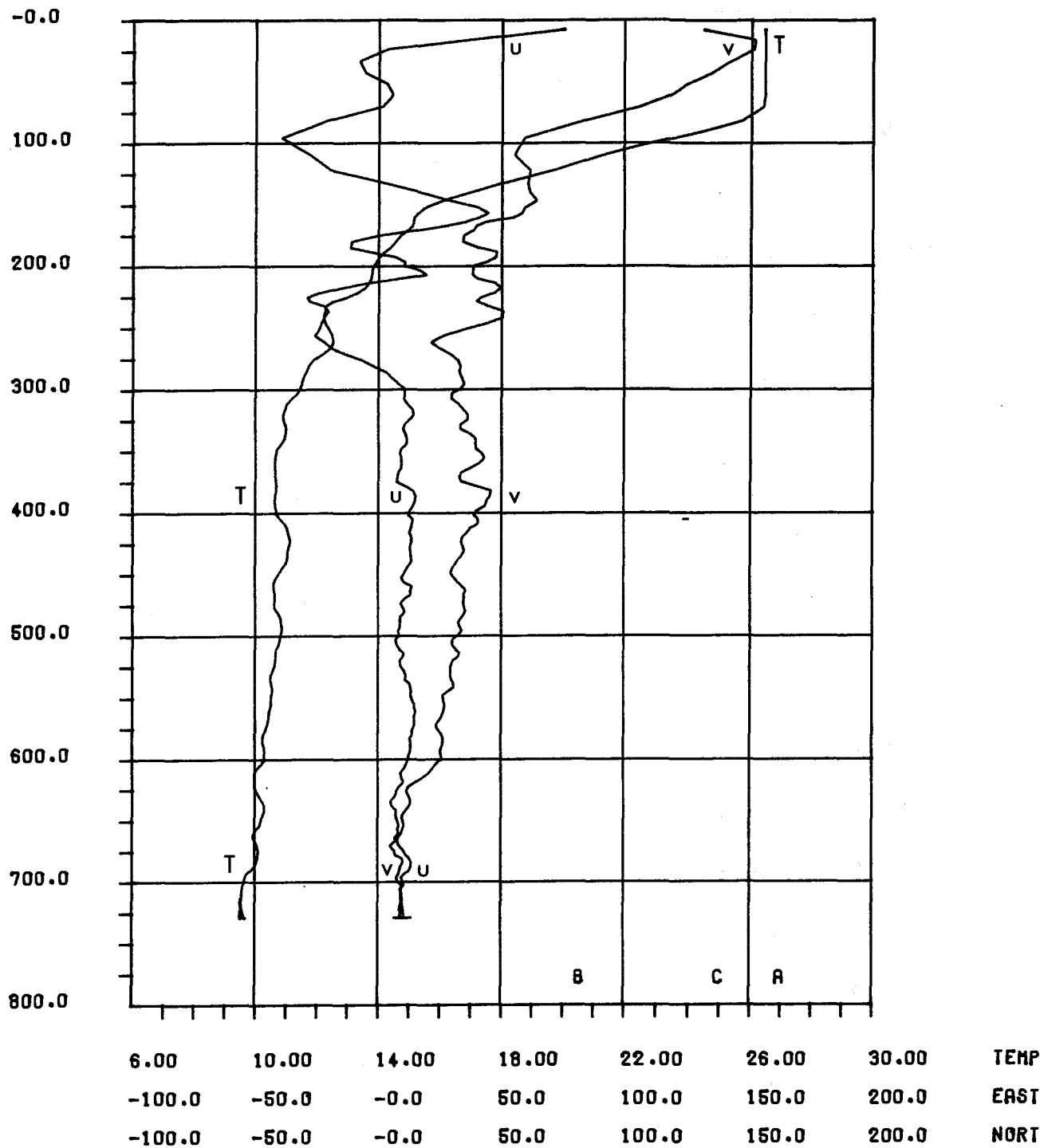
PRESSURE



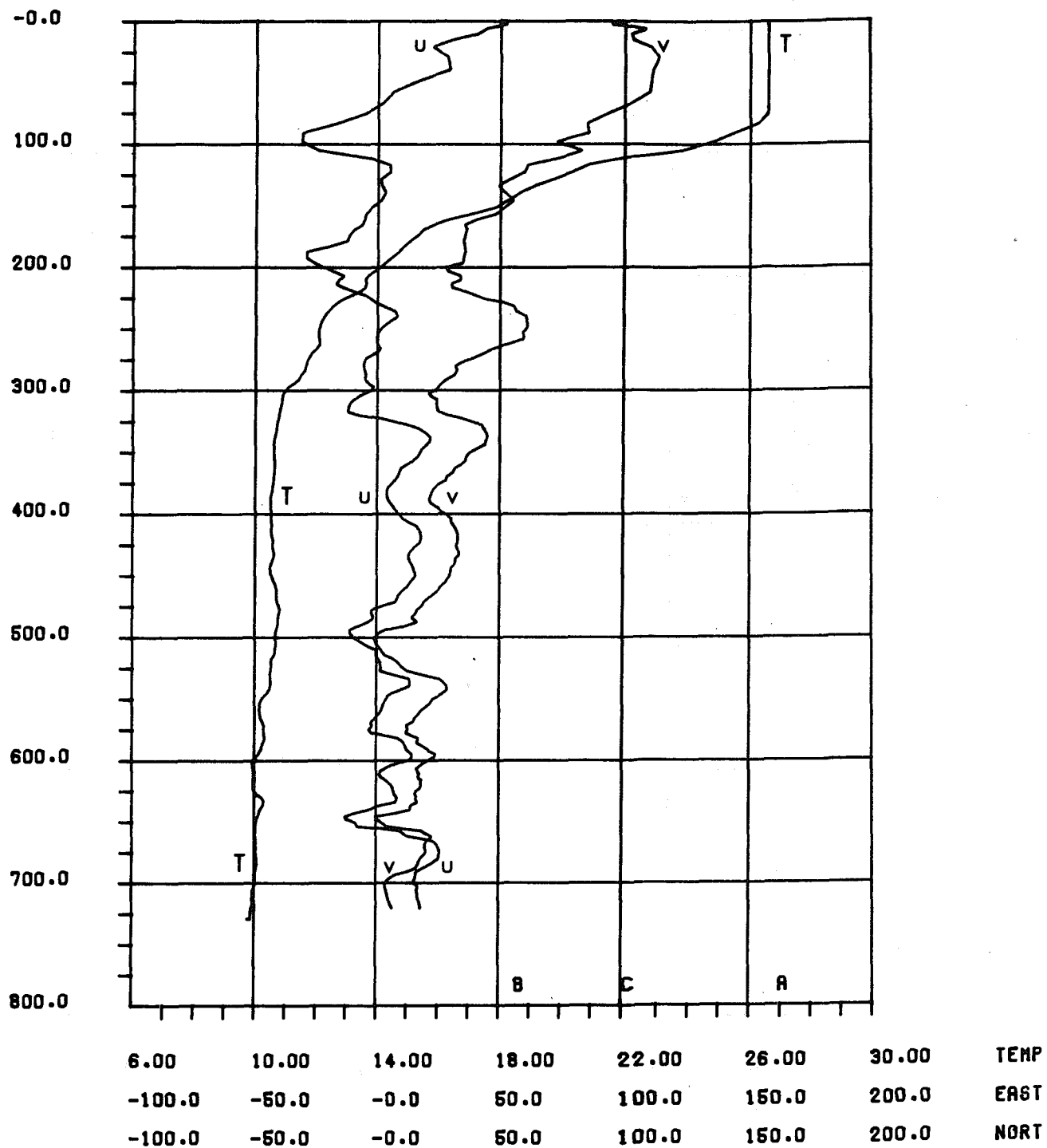
PRESSURE



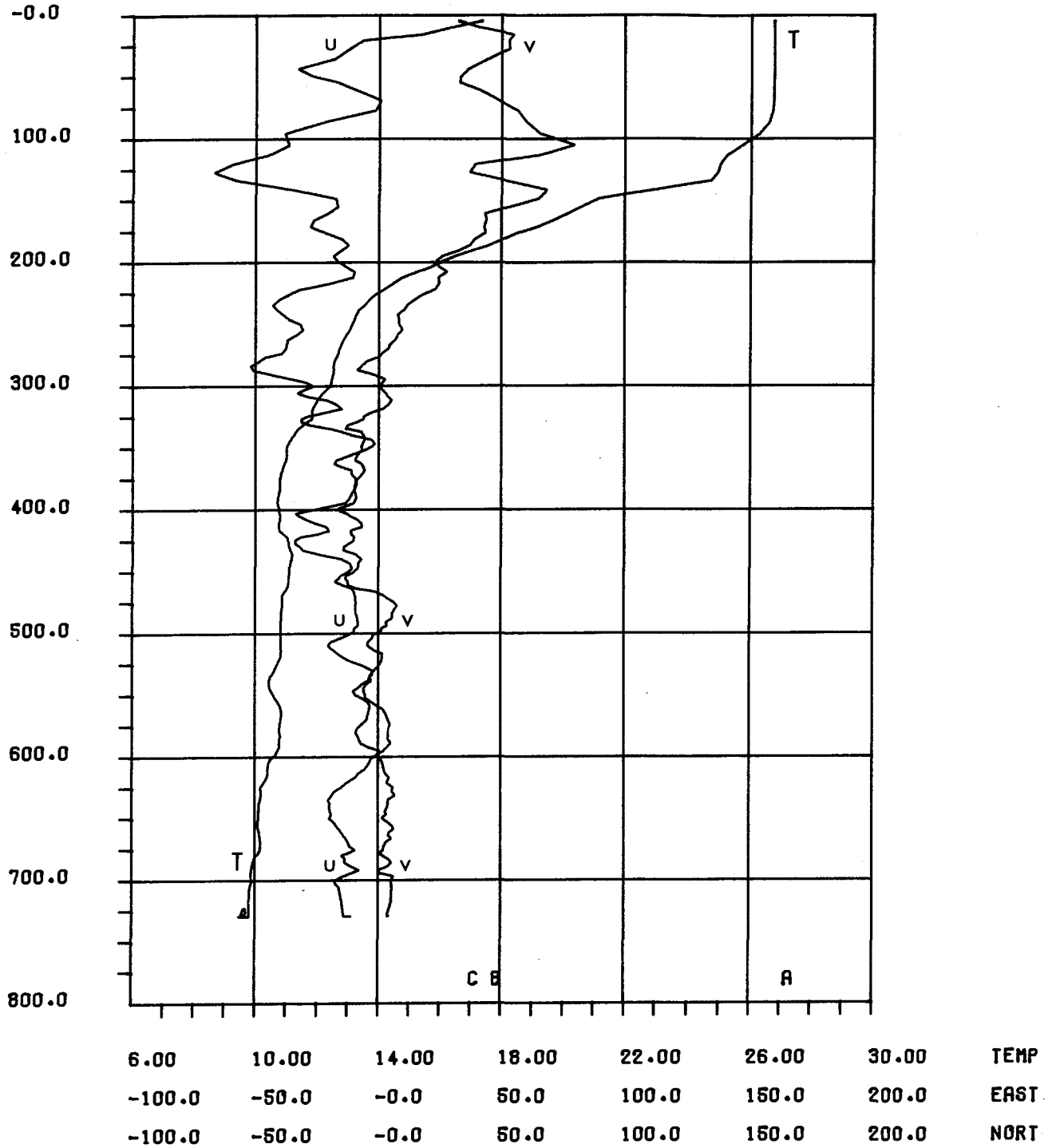
PRESSURE



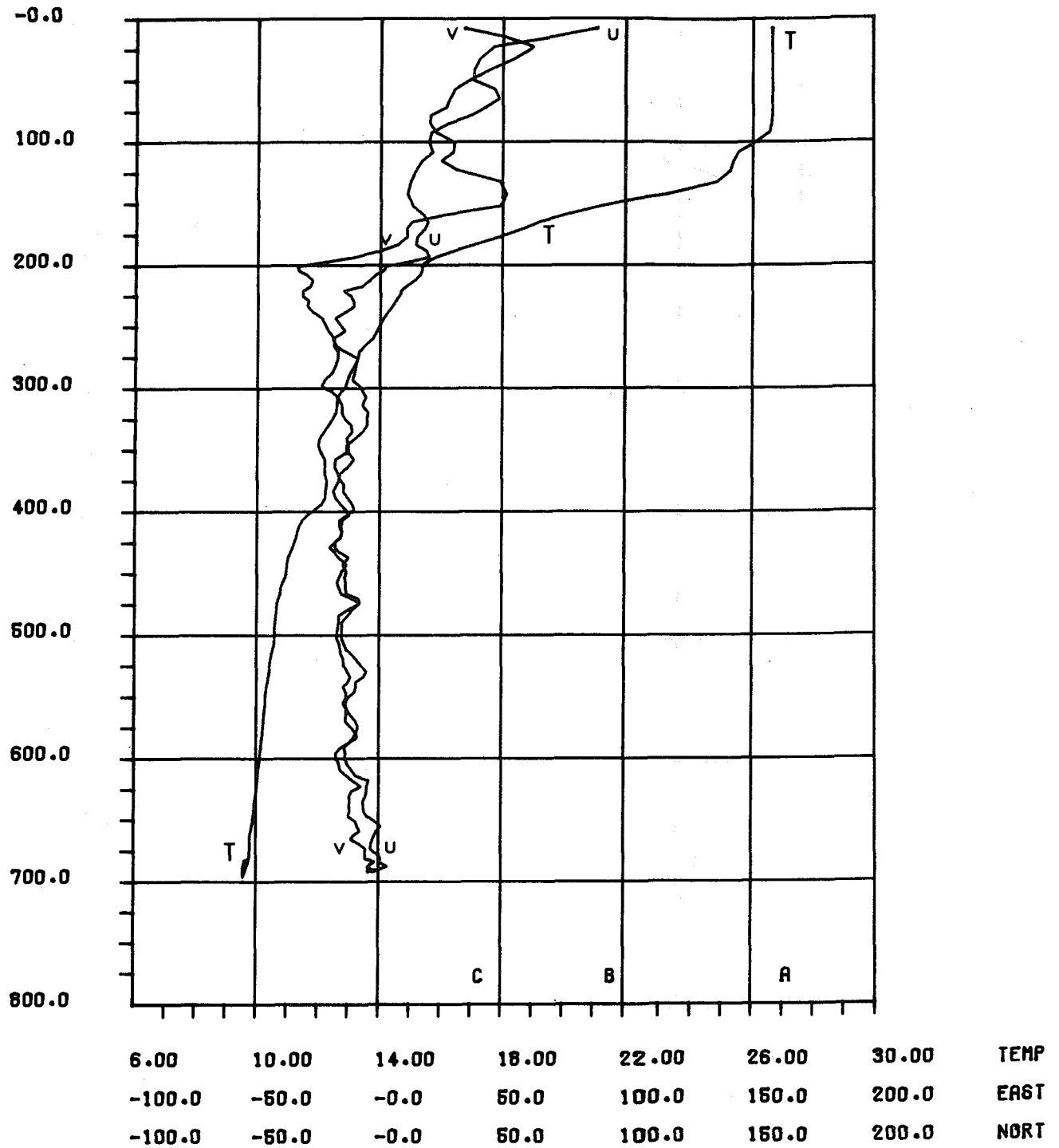
PRESSURE



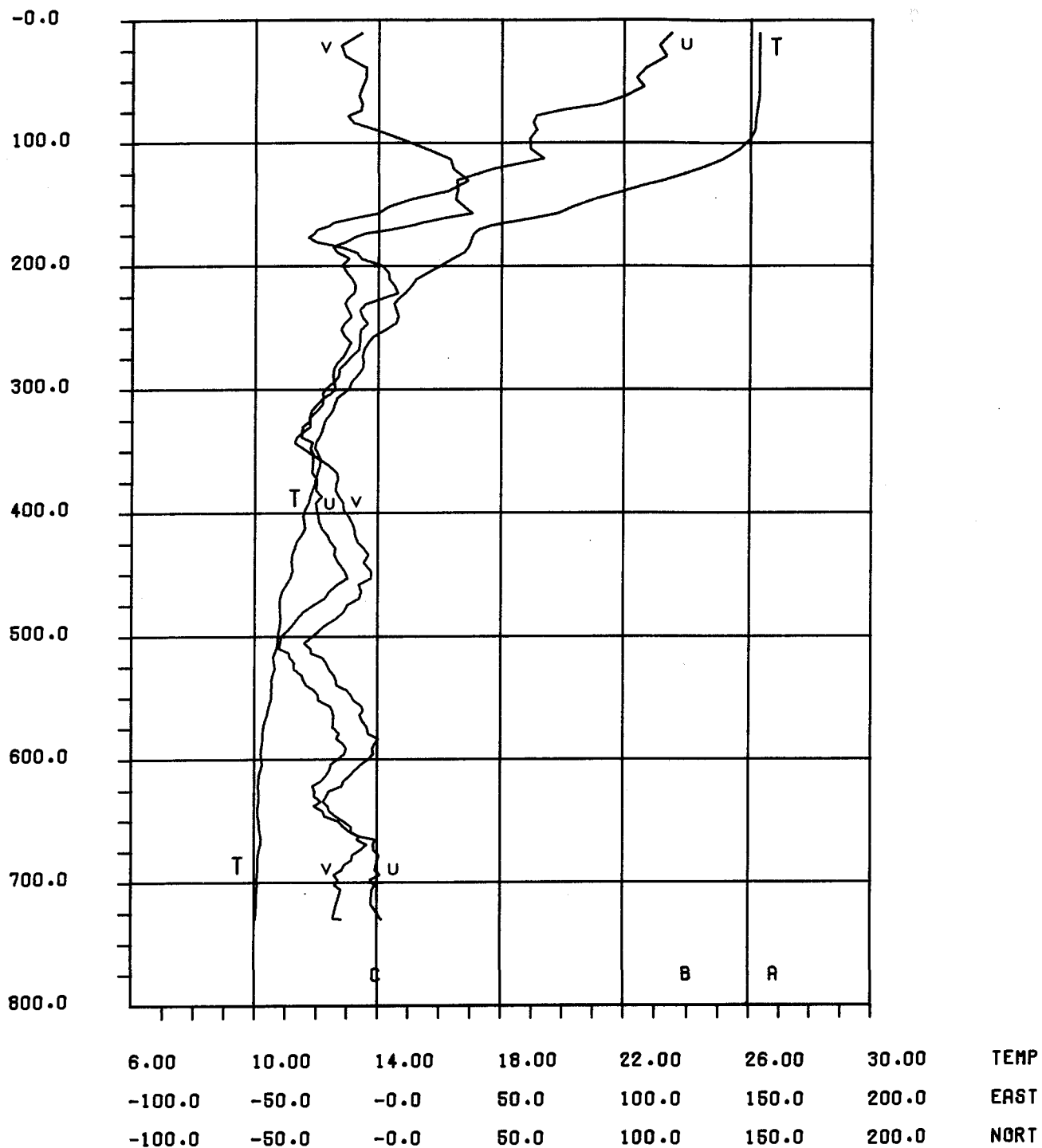
PRESSURE



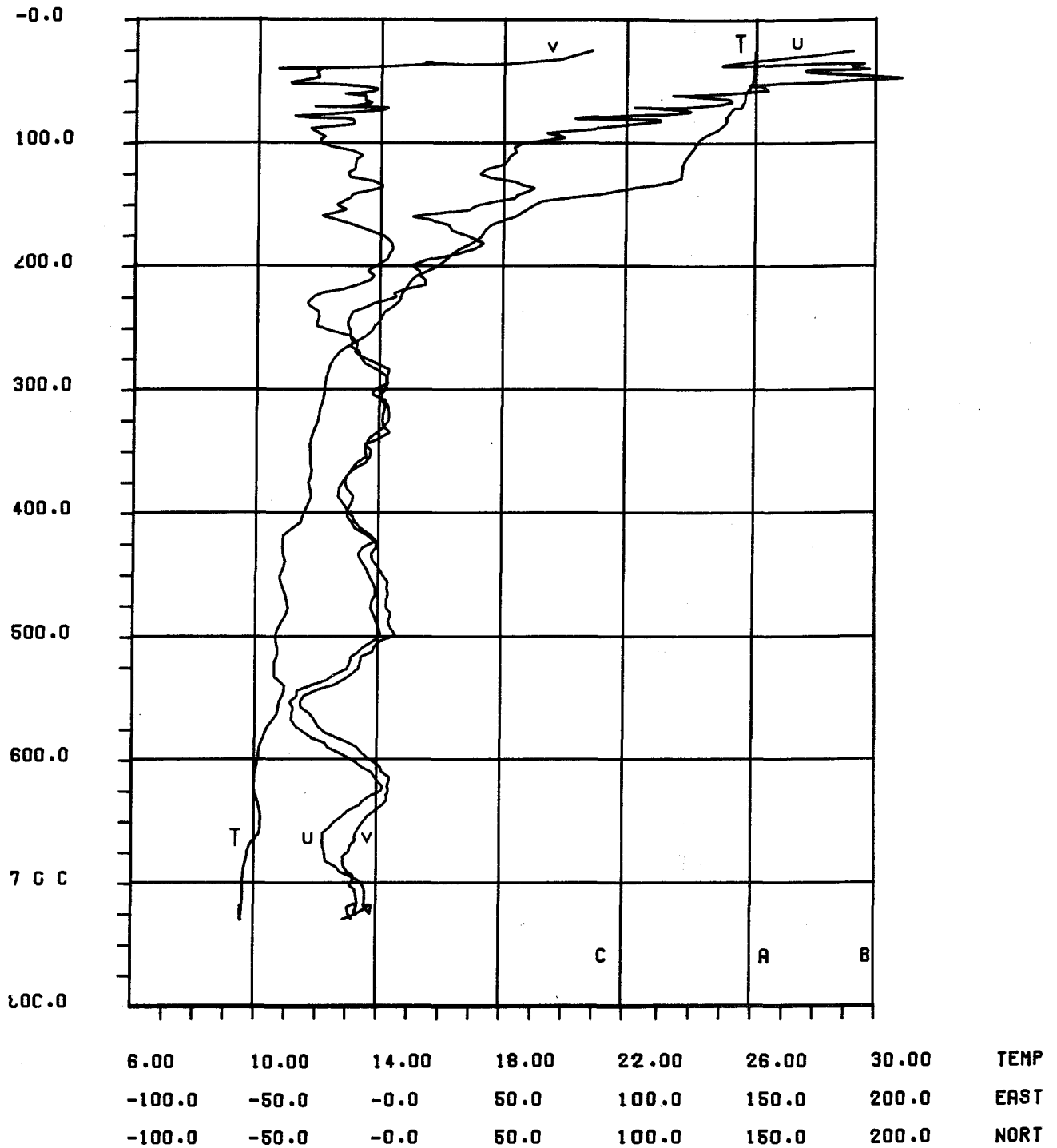
PRESSURE



PRESSURE



PRESSURE



PART TWO
repeated profiles

Table 2. Position and time of repeated profiles. Asterisks mark significant changes of ship's movement during measurement, see text.

Prof. No.	Stn.No.	Date 1979	Start			End
			Time Z	Lat.	Long E	Time Z
20	10070	16.VI	1602	0 01.2N	49 01.4	1722
21	10070	16.VI	1752	0 00.2S	49 01.4	1908 *
22	10070	16.VI	2100	0 01.9N	48 57.8	2218
23	10070	16/17.VI	2314	0 01.0N	48 58.0	0042 *
27	10073	18.VI	0840	1 21.3N	48 39.8	1018
28	10073	18.VI	1046	1 20.7N	48 40.4	1142
33	10077	21.VI	0430	2 47.6N	47 19.0	0536
42	10084	26.VI	2040	6 17.0	49 47.2	2206
43	10084	26.VI	2248	6 17.4	49 47.6	2258
44	10084	26.VI	2305	6 17.6	49 47.7	2314
45	10084	26.VI	2319	6 17.6	49 47.8	2328
46	10084	26.VI	2332	6 17.7	49 47.8	2340

DISCOVERY 102 STN 10070-2

PRFSS	TEMP	EAST	NORTH	SPEED	DEG
0.		46.5	24.6	52.6	62.1
10.		58.7	8.3	59.3	82.0
20.		51.3	17.3	54.2	71.4
30.		40.8	-2.8	40.9	93.9
40.		36.1	-55.1	65.9	146.7
50.		7.7	-75.3	75.7	174.2
60.		-1.0	-67.4	67.4	180.9
70.		-14.2	-54.1	56.0	194.7
80.		-19.2	-34.4	39.3	209.1
90.	20.9	-29.7	-9.6	31.2	252.1
100.	20.3	-33.3	15.4	36.7	294.9
110.	18.4	-29.8	26.9	40.2	312.1
120.	16.1	-3.5	4.9	6.1	324.4
130.	16.0	10.5	-0.9	10.6	94.7
140.	15.8	1.6	-7.5	7.6	167.6
150.	15.2	-21.2	-4.7	21.7	257.4
160.	14.5	-14.9	-3.2	15.2	257.7
170.	13.9	-12.7	4.5	13.5	289.3
180.	13.7	-18.2	6.5	19.3	289.6
190.	13.5	-19.8	7.2	21.1	289.9
200.	13.0	-18.1	-0.1	18.1	269.6
210.	12.8	-25.5	-5.5	26.1	257.8
220.	12.7	-25.1	-4.0	25.4	261.0
230.	12.6	-23.0	-3.9	23.3	260.4
240.	12.5	-18.8	1.9	18.9	275.8
250.	12.4	-20.6	6.8	21.7	288.3
260.	12.0	-24.4	14.8	28.5	301.3
270.	11.7	-20.7	20.5	29.1	314.6
280.	11.6	-23.0	20.8	31.0	312.1
290.	11.5	-24.8	18.1	30.7	306.1
300.	11.4	-24.3	13.9	27.9	299.7
310.	11.4	-21.5	13.3	25.3	301.8
320.	11.4	-14.6	13.5	19.9	312.8
330.	11.2	-11.5	16.4	20.0	325.1
340.	11.1	-8.3	18.5	20.2	335.8
350.	11.0	-5.5	18.2	19.0	343.2
360.	10.7	1.8	16.2	16.3	6.2
370.	10.6	8.1	13.0	15.3	31.9
380.	10.5	10.7	9.3	14.2	49.1
390.	10.4	7.4	7.1	10.3	46.2
400.	10.2	4.0	1.7	4.3	66.8
410.	10.2	2.2	0.1	2.2	87.7
420.	10.1	4.1	-0.9	4.2	102.4
430.	10.0	5.9	1.6	6.2	74.9
440.	10.0	2.2	4.9	5.3	24.6
450.	9.8	-7.9	6.4	10.1	309.2
460.	9.6	-13.5	7.1	15.2	297.8
470.	9.6	-16.5	7.0	17.9	293.1
480.	9.5	-17.1	8.4	19.1	296.1
490.	9.5	-17.8	5.5	18.7	287.2
500.	9.5	-17.5	6.6	18.7	290.7
510.	9.4	-21.4	5.2	22.0	283.7
520.	9.4	-24.2	7.1	25.3	286.2
530.	9.4	-24.8	6.7	25.7	285.2
540.	9.4	-25.1	5.2	25.6	281.7
550.	9.4	-26.3	3.8	26.6	278.2
560.	9.4	-29.0	1.2	29.1	272.4
570.	9.3	-29.6	0.6	29.6	271.1
580.	9.2	-30.2	1.9	30.3	273.7
590.	9.1	-26.4	2.8	26.5	276.0
600.	9.1	-26.1	7.2	27.1	285.4
610.	8.9	-23.5	6.0	24.3	284.4
620.	8.8	-19.7	10.0	22.1	296.9
630.	8.7	-13.6	7.6	15.6	299.1
640.	8.7	-7.9	5.6	9.7	305.3
650.	8.6	-4.8	3.9	6.2	309.3
660.	8.6	-4.9	3.6	6.1	306.3
670.	8.3	-3.8	6.5	7.6	330.0
680.	8.3	-3.5	8.0	8.7	336.8
690.	8.3	-2.5	4.3	5.0	330.2
700.	8.3	-2.3	0.2	2.3	275.7
710.	8.3	-3.8	-4.1	5.6	223.0
720.	8.3	-4.2	-6.2	7.5	214.4

DISCOVERY 102 STN 10070-3

PRESS	TEMP	EAST	NORTH	SPEED	DEG
20.		60.0	-0.1	60.0	90.1
30.		44.7	-14.6	47.1	108.0
40.		37.1	-47.6	60.3	142.0
50.		14.8	-78.6	79.9	169.4
60.		-4.4	-76.7	76.8	183.3
70.		-15.1	-50.3	52.5	196.7
80.		-23.1	-25.3	34.3	222.3
90.	20.6	-37.9	-2.2	38.0	266.7
100.	19.2	-52.4	8.8	53.1	279.6
110.	17.1	-36.6	-2.7	36.7	265.8
120.	16.0	-23.0	-9.7	25.0	247.2
130.	15.9	-7.0	-2.6	7.4	249.4
140.	15.8	-14.5	-3.8	15.0	255.2
150.	15.6	-23.1	-0.2	23.1	269.5
160.	15.1	-32.0	4.1	32.3	277.3
170.	14.5	-26.9	6.3	27.7	283.2
180.	14.1	-19.0	10.6	21.8	299.2
190.	13.7	-20.0	5.4	20.7	285.0
200.	13.5	-22.2	10.7	24.7	295.8
210.	13.2	-21.8	6.4	22.7	286.5
220.	12.9	-22.7	1.2	22.8	273.1
230.	12.7	-24.4	-0.6	24.4	268.7
240.	12.6	-25.2	-4.9	25.7	259.0
250.	12.5	-26.0	-13.1	29.1	243.2
260.	12.4	-31.8	-11.1	33.7	250.7
270.	11.9	-41.1	-10.4	42.4	255.8
280.	11.7	-41.7	-11.1	43.2	255.1
290.	11.6	-46.5	-19.7	50.5	247.0
300.	11.5	-49.7	-28.5	57.3	240.2
310.	11.4	-47.6	-25.6	54.1	241.7
320.	11.4	-38.8	-13.7	41.2	250.6
330.	11.2	-24.3	7.2	25.4	286.5
340.	11.1	-0.6	37.6	37.6	359.0
350.	11.0	6.2	46.6	47.0	7.6
360.	10.8	9.6	46.4	47.4	11.7
370.	10.6	8.7	36.3	37.3	13.5
380.	10.5	3.5	24.3	24.5	8.1
390.	10.3	-1.6	16.6	16.7	354.4
400.	10.2	-2.9	12.3	12.7	346.9
410.	10.2	1.3	11.4	11.4	6.7
420.	10.1	6.0	11.6	13.0	27.3
430.	10.0	5.6	11.2	12.5	26.6
440.	10.0	-1.4	13.3	13.4	354.1
450.	9.9	-16.0	10.8	19.3	304.1
460.	9.6	-28.4	7.3	29.3	284.3
470.	9.6	-33.7	2.7	33.8	274.6
480.	9.5	-36.5	1.7	36.6	272.7
490.	9.5	-35.7	1.8	35.8	272.9
500.	9.5	-28.1	7.8	29.2	285.5
510.	9.4	-23.5	13.4	27.0	299.8
520.	9.4	-23.6	18.7	30.1	308.4
530.	9.4	-23.5	16.4	28.6	304.8
540.	9.4	-24.4	12.3	27.3	296.7
550.	9.4	-29.9	5.9	30.5	281.1
560.	9.4	-37.5	0.0	37.5	270.0
570.	9.3	-41.3	-5.8	41.7	262.0
580.	9.2	-41.7	-5.5	42.1	262.4
590.	9.1	-42.6	-6.4	43.0	261.5
600.	9.0	-42.2	-2.3	42.3	266.8
610.	9.0	-39.9	-2.1	40.0	267.0
620.	8.9	-34.5	-3.5	34.7	264.2
630.	8.8	-29.8	-0.3	29.8	269.4
640.	8.7	-27.2	-1.1	27.2	267.8
650.	8.6	-22.8	-1.4	22.8	266.4
660.	8.6	-23.3	1.6	23.3	274.0
670.	8.6	-21.5	4.0	21.8	280.5

DISCOVERY 102 STN 10070-4

DISCOVERY 102 STN 10070-5

PRFSS	TEMP	EAST	NORTH	SPEED	DFG
10.					
20.		78.7	31.1	84.6	68.4
30.		72.6	22.2	75.9	73.0
40.		67.2	-4.1	67.3	93.5
50.		19.8	-41.6	46.1	154.6
60.		7.7	-60.1	60.6	172.7
70.		-5.9	-30.0	30.6	191.1
80.		-10.9	2.3	11.2	282.0
90.		-13.4	16.6	21.4	321.2
100.	20.8	-26.6	28.2	38.8	316.7
110.	20.1	-44.0	36.9	57.4	310.0
120.	18.6	-46.8	29.5	55.3	302.2
130.	16.5	-14.9	5.3	15.8	289.6
140.	16.0	11.0	-1.4	11.1	97.2
150.	15.9	14.8	4.3	15.4	73.9
160.	15.7	-2.3	1.4	2.7	301.5
170.	15.3	-22.5	-1.4	22.5	266.3
180.	14.7	-27.6	-4.4	27.9	260.9
190.	14.3	-13.5	7.0	15.2	297.4
200.	13.9	-9.5	19.8	22.0	334.3
210.	13.7	-6.9	23.7	24.7	343.7
220.	13.5	-3.0	31.6	31.7	354.6
230.	13.3	2.5	29.2	29.3	4.9
240.	12.9	-0.8	21.1	21.1	357.8
250.	12.8	-16.6	6.8	17.9	292.4
260.	12.6	-8.4	7.4	11.1	311.3
270.	12.5	-3.1	20.2	20.4	351.2
280.	12.4	-5.3	31.2	31.6	350.4
290.	12.0	-11.2	37.9	39.5	343.5
300.	11.8	-9.1	38.5	39.6	346.7
310.	11.6	-15.2	31.6	35.0	334.4
320.	11.5	-11.0	28.8	30.8	339.0
330.	11.5	-3.9	27.5	27.8	351.9
340.	11.4	-1.5	30.8	30.9	357.2
350.	11.2	-10.5	25.4	27.4	337.6
360.	11.1	-12.9	21.9	25.4	329.5
370.	11.0	-2.3	24.4	24.5	354.6
380.	10.7	17.9	28.1	33.3	32.5
390.	10.6	27.4	28.4	39.4	44.0
400.	10.6	27.7	26.8	38.6	46.0
410.	10.5	18.6	21.6	28.5	40.8
420.	10.3	12.1	13.8	18.3	41.1
430.	10.2	8.6	13.5	16.0	32.3
440.	10.2	8.9	14.7	17.1	31.1
450.	10.0	11.0	17.3	20.5	32.4
460.	9.9	10.4	22.3	24.6	25.0
470.	10.0	12.1	26.4	29.1	24.7
480.	9.8	5.2	32.7	33.1	9.0
490.	9.6	-0.4	34.0	34.0	359.3
500.	9.6	-1.4	34.7	34.7	357.6
510.	9.5	-6.9	34.6	35.3	348.7
520.	9.5	-6.4	35.7	36.2	349.9
530.	9.5	-7.5	35.5	36.3	348.1
540.	9.4	-14.5	32.7	35.8	336.0
550.	9.4	-17.9	30.3	35.2	329.4
560.	9.4	-17.3	25.3	30.6	325.7
570.	9.4	-17.1	22.5	28.2	322.8
580.	9.4	-19.0	18.1	26.3	313.7
590.	9.4	-21.2	10.4	23.6	296.2
600.	9.3	-21.1	10.7	23.7	296.8
610.	9.1	-20.7	12.8	24.4	301.8
620.	9.1	-17.3	15.8	23.4	312.4
630.	9.0	-16.4	17.8	24.2	317.2
640.	8.8	-15.0	18.2	23.6	320.6
650.	8.7	-6.7	19.1	20.2	340.8
660.	8.7	-0.7	18.3	18.4	357.7
670.	8.6	0.0	19.2	19.2	0.0
680.	8.6	-4.8	20.3	20.9	346.8
690.	8.5	-3.4	22.9	23.1	351.6
700.	8.3	-0.3	23.7	23.8	359.4
710.	8.3	-0.3	22.5	22.5	359.2
720.	8.3	-1.6	14.8	14.9	353.8
730.	8.3	-6.2	-0.7	6.2	264.0

PRESS	TEMP	EAST	NORTH	SPFED	DFG
10.		27.9	-4.6	28.2	99.4
20.		40.3	27.3	48.7	55.9
30.		34.9	17.3	38.9	63.7
40.		21.7	-39.8	45.3	151.4
50.		16.1	-91.9	93.3	170.1
60.		9.2	-79.5	80.1	173.4
70.		-21.4	-71.5	74.6	196.7
80.		-26.7	-35.9	44.8	216.7
90.	20.6	-30.9	-4.3	31.2	262.1
100.	19.8	-39.9	27.3	48.3	304.4
110.	18.6	-26.2	27.1	37.7	316.0
120.	16.5	-3.7	1.4	4.0	290.1
130.	15.9	2.8	-13.9	14.2	168.6
140.	15.8	-18.4	-37.5	41.8	206.1
150.	15.5	-41.3	-45.9	61.7	222.0
160.	14.9	-31.2	-30.5	43.6	225.6
170.	14.3	4.2	-4.4	6.1	136.3
180.	13.9	8.2	4.5	9.3	61.2
190.	13.7	5.0	1.0	5.1	79.0
200.	13.5	0.2	1.1	1.1	11.0
210.	13.2	-10.9	-11.4	15.8	223.8
220.	12.8	-24.8	-28.3	37.6	221.1
230.	12.7	-33.1	-36.8	49.6	222.0
240.	12.6	-28.0	-28.3	39.8	224.8
250.	12.5	-17.3	-16.8	24.1	225.7
260.	12.3	-24.0	-5.7	24.6	256.7
270.	11.8	-29.0	2.4	29.1	274.8
280.	11.7	-23.3	5.8	24.0	284.0
290.	11.7	-22.5	9.9	24.6	293.7
300.	11.5	-22.6	11.4	25.3	296.8
310.	11.5	-25.6	7.9	26.8	287.0
320.	11.4	-32.3	-1.6	32.4	267.2
330.	11.3	-32.5	-4.6	32.8	261.9
340.	11.2	-28.9	-4.3	29.2	261.6
350.	11.1	-21.6	-3.2	21.9	261.6
360.	10.9	-15.2	-1.8	15.3	263.1
370.	10.7	-6.4	-1.9	6.7	253.2
380.	10.6	-2.7	-5.0	5.7	209.0
390.	10.5	-2.6	-8.4	8.8	197.1
400.	10.4	-2.4	-10.2	10.5	193.3
410.	10.2	-1.6	-9.2	9.3	189.6
420.	10.1	-3.3	-10.3	10.8	197.8
430.	10.1	-2.2	-8.8	9.1	194.1
440.	9.9	-0.1	-5.0	5.0	181.4
450.	9.9	2.3	-4.8	5.3	154.5
460.	9.9	-3.8	-1.1	3.9	254.1
470.	9.7	-14.5	0.2	14.5	270.8
480.	9.6	-26.6	-2.5	26.7	264.7
490.	9.6	-33.5	-8.8	34.6	255.2
500.	9.5	-37.0	-11.0	38.6	253.4
510.	9.5	-36.0	-9.4	37.2	255.4
520.	9.4	-32.4	-3.5	32.6	263.8
530.	9.4	-25.9	1.7	25.9	273.9
540.	9.4	-21.4	2.2	21.5	275.8
550.	9.4	-22.9	0.7	22.9	271.8
560.	9.4	-32.4	-6.9	33.1	258.0
570.	9.3	-44.6	-16.9	47.7	249.3
580.	9.2	-51.4	-24.4	56.9	244.6
590.	9.1	-52.4	-30.7	60.7	239.7
600.	9.0	-47.4	-28.1	55.1	239.3
610.	9.0	-40.7	-20.5	45.6	243.3
620.	8.9	-30.3	-14.3	33.5	244.7
630.	8.7	-19.2	-6.7	20.3	250.8
640.	8.7	-17.5	-5.4	18.3	252.9
650.	8.6	-20.5	-9.2	22.4	245.8
660.	8.6	-25.8	-14.2	29.5	241.2
670.	8.5	-24.4	-14.9	28.6	238.6
680.	8.3	-21.0	-14.2	25.4	235.9
690.	8.3	-19.6	-14.3	24.3	233.9
700.	8.3	-17.6	-13.1	22.0	233.5
710.	8.3	-15.5	-10.2	18.6	236.7
720.	8.3	-15.5	-10.9	19.0	234.8
730.	8.2	-20.1	-12.2	23.5	238.6

DISCOVERY 102 STN 10073-2

PRFSS	TEMP	EAST	NORTH	SPEED	DFG
10.		144.2	3.7	144.2	88.5
20.		128.4	18.8	129.7	81.7
30.		123.6	25.4	126.2	78.4
40.		144.6	12.0	145.1	85.3
50.		127.1	-16.4	128.2	97.4
60.		88.4	-24.4	91.7	105.4
70.		60.7	-27.2	66.5	114.2
80.		36.2	-37.0	51.7	135.6
90.	20.9	6.6	-42.4	42.9	171.1
100.	19.6	3.0	5.1	5.9	31.0
110.	17.8	12.6	12.4	17.7	45.4
120.	16.7	-3.9	10.5	11.2	339.5
130.	15.7	-34.9	0.9	34.9	271.4
140.	15.3	-33.8	-9.9	35.2	253.7
150.	15.1	-33.0	-4.3	33.2	262.6
160.	14.5	-19.1	1.4	19.1	274.1
170.	14.1	-21.1	-5.5	21.8	255.4
180.	13.9	-30.6	-7.5	31.5	256.2
190.	13.7	-24.0	3.2	24.3	277.5
200.	13.3	-5.4	1.1	5.5	281.7
210.	13.1	-0.8	-5.6	5.7	188.5
220.	12.9	-10.2	-5.0	11.4	243.7
230.	12.6	-25.1	-10.5	27.2	247.2
240.	12.4	-28.2	-9.5	29.7	251.3
250.	12.3	-27.2	-2.0	27.3	265.8
260.	12.2	-21.6	4.6	22.1	282.1
270.	12.2	-22.4	11.6	25.2	297.3
280.	12.1	-26.4	5.4	27.0	281.6
290.	12.0	-28.6	5.0	29.0	280.0
300.	11.8	-26.0	4.1	26.3	279.0
310.	11.6	-24.0	8.7	25.5	289.9
320.	11.6	-31.5	6.1	32.0	280.9
330.	11.6	-34.0	0.0	34.0	270.0
340.	11.5	-31.6	1.8	31.7	273.3
350.	11.5	-26.5	6.4	27.3	283.5
360.	11.3	-19.3	11.8	22.6	301.3
370.	11.1	-4.5	21.3	21.8	348.2
380.	11.0	-5.3	22.4	23.1	346.6
390.	10.8	-11.5	15.9	19.6	324.0
400.	10.7	-10.0	17.8	20.4	330.6
410.	10.4	-12.2	17.4	21.3	325.1
420.	10.3	-12.2	14.0	18.5	318.9
430.	10.2	-10.6	11.9	16.0	318.2
440.	10.2	-8.9	13.6	16.3	326.8
450.	10.3	-5.9	17.8	18.7	341.6
460.	10.0	-5.4	19.5	20.2	344.5
470.	9.6	-12.2	13.6	18.3	318.3
480.	9.5	-13.7	10.8	17.5	308.2
490.	9.5	-13.8	11.1	17.7	308.8
500.	9.5	-15.2	11.0	18.7	305.9
510.	9.5	-18.6	5.1	19.3	285.4
520.	9.5	-27.3	-6.8	28.2	255.9
530.	9.4	-24.0	-6.6	24.9	254.6
540.	9.4	-18.9	-1.3	18.9	266.0
550.	9.4	-19.5	1.3	19.5	273.8
560.	9.4	-17.9	2.0	18.0	276.4
570.	9.3	-20.2	5.5	20.9	285.3
580.	9.3	-20.3	10.7	22.9	297.8
590.	9.3	-24.0	8.8	25.6	290.1
600.	9.3	-30.3	3.4	30.5	276.4
610.	9.4	-30.5	8.2	31.6	285.1
620.	9.4	-31.0	7.7	31.9	284.0
630.	9.3	-33.6	5.0	34.0	278.5
640.	9.2	-28.9	10.9	30.9	290.6
650.	9.3	-23.6	12.2	26.5	297.3
660.	9.3	-21.0	8.4	22.6	291.7
670.	9.3	-21.0	5.7	21.8	285.2
680.	9.2	-19.2	3.7	19.6	280.9
690.	8.9	-18.7	1.0	18.7	273.2
700.	8.7	-19.2	-1.7	19.3	265.0
710.	8.6	-19.2	-2.8	19.4	261.5
720.	8.6	-17.8	-2.8	18.1	260.9

DISCOVERY 102 STN 10073-3

PRFSS	TEMP	EAST	NORTH	SPFFD	DEG
10.		205.9	62.8	215.3	73.0
20.		199.5	69.9	211.4	70.7
30.		173.5	65.3	185.4	69.4
40.		154.0	57.2	164.2	69.6
50.		131.0	-5.2	131.1	92.3
60.		106.2	-19.0	107.9	100.2
70.		85.2	-9.2	85.7	96.1
80.		51.9	-15.8	54.2	106.9
90.		16.2	-30.1	34.2	151.7
100.	20.0	-11.8	-7.7	14.1	236.9
110.	18.4	16.0	30.3	34.3	27.9
120.	17.0	3.6	31.3	31.5	6.5
130.	15.9	-30.6	7.2	31.4	283.2
140.	15.4	-40.6	-6.6	41.1	260.7
150.	15.3	-38.0	-2.2	38.1	266.7
160.	14.9	-34.8	4.2	35.1	277.0
170.	14.4	-9.4	17.8	20.1	332.1
180.	14.2	-1.4	20.3	20.4	356.0
190.	13.9	-13.9	9.9	17.1	305.6
200.	13.8	-16.8	4.5	17.4	284.9
210.	13.5	-5.3	12.0	13.1	336.2
220.	13.1	-3.4	2.5	4.2	305.9
230.	12.9	-23.5	-11.8	26.3	243.4
240.	12.6	-30.2	-4.6	30.6	261.3
250.	12.4	-22.1	7.6	23.4	289.1
260.	12.3	-16.9	10.7	20.1	302.3
270.	12.2	-22.5	5.3	23.1	283.2
280.	12.2	-28.2	-4.3	28.5	261.3
290.	12.1	-26.0	-3.8	26.3	261.7
300.	11.8	-18.7	2.7	18.9	278.1
310.	11.6	-17.9	6.0	18.9	288.5
320.	11.6	-18.6	4.5	19.2	283.7
330.	11.6	-14.3	8.3	16.6	300.1
340.	11.5	-11.0	11.6	16.0	316.4
350.	11.4	-14.3	9.7	17.3	304.2
360.	11.2	-15.0	7.1	16.6	295.3
370.	11.1	-12.5	8.8	15.3	305.1
380.	10.9	-13.3	8.4	15.7	302.1
390.	10.8	-12.5	8.8	15.3	304.9
400.	10.6	-15.0	8.4	17.2	299.4
410.	10.4	-4.5	11.0	11.9	337.9
420.	10.3	2.5	12.9	13.1	10.9
430.	10.2	4.8	14.0	14.8	19.0
440.	10.3	4.0	13.8	14.4	16.2
450.	10.2	3.1	14.6	14.9	11.9

DISCOVERY 102 STN 10077-2

PRFSS	TEMP	FAST	NORTH	SPEED	DEG
10.		239.6	173.2	295.6	54.1
20.		235.9	172.6	292.3	53.8
30.		208.6	159.6	262.6	52.6
40.	20.8	177.2	114.4	210.9	57.2
50.	18.8	115.3	76.8	138.6	56.3
60.	16.6	64.9	51.7	83.0	51.4
70.	15.5	35.2	44.7	56.9	38.2
80.	14.8	16.8	42.9	46.1	21.4
90.	14.6	11.5	39.9	41.5	16.0
100.	14.6	6.0	34.9	35.4	9.7
110.	14.4	-0.2	28.8	28.8	359.5
120.	14.0	10.0	22.2	24.4	24.3
130.	13.8	11.1	24.4	26.8	24.5
140.	13.8	5.0	27.8	28.3	10.2
150.	13.6	5.6	30.8	31.3	10.3
160.	13.3	8.6	30.3	31.5	15.9
170.	13.0	14.0	27.4	30.8	27.1
180.	13.0	17.8	27.5	32.8	32.9
190.	12.9	19.4	26.6	32.9	36.1
200.	12.8	20.3	23.3	30.9	41.0
210.	12.6	18.3	21.9	28.6	39.9
220.	12.5	16.9	20.2	26.3	39.9
230.	12.4	17.4	20.0	26.6	41.1
240.	12.2	20.1	25.4	32.4	38.3
250.	12.1	25.7	33.1	41.9	37.8
260.	11.9	27.8	35.4	45.0	38.1
270.	11.6	22.9	34.4	41.3	33.6
280.	11.5	22.7	30.5	38.0	36.7
290.	11.4	22.9	27.3	35.6	40.0
300.	11.3	22.8	23.9	33.1	43.7
310.	11.2	23.0	24.4	33.5	43.3
320.	11.1	25.7	28.0	38.0	42.5
330.	11.0	28.3	25.4	38.0	48.0
340.	10.9	29.6	22.6	37.2	52.7
350.	10.7	30.3	21.4	37.1	54.8
360.	10.7	31.2	22.3	38.3	54.5
370.	10.6	34.5	22.1	41.0	57.4
380.	10.6	39.6	20.8	44.7	62.3
390.	10.7	39.5	20.1	44.3	63.1
400.	10.7	40.5	18.5	44.5	65.4
410.	10.8	41.0	13.7	43.2	71.6
420.	10.9	38.1	14.2	40.6	69.6
430.	11.0	36.2	17.4	40.2	64.3
440.	11.0	29.4	18.4	34.7	58.0
450.	11.0	29.5	21.7	36.6	53.6
460.	11.0	32.1	29.2	43.3	47.7
470.	11.0	33.7	30.7	45.6	47.6
480.	10.7	27.1	30.9	41.1	41.3
490.	10.6	25.9	25.0	36.0	45.9
500.	10.6	21.6	19.2	28.9	48.4
510.	10.6	17.7	19.3	26.2	42.5
520.	10.4	13.3	20.6	24.5	32.8
530.	10.3	13.8	19.2	23.6	35.6
540.	10.2	16.8	18.1	24.7	42.8
550.	10.0	21.8	17.8	28.1	50.8
560.	9.9	21.6	18.2	28.3	49.8
570.	9.7	22.1	17.8	28.4	51.2
580.	9.6	22.7	15.3	27.4	56.1
590.	9.6	22.8	12.1	25.8	62.1
600.	9.6	23.0	11.6	25.8	63.2
610.	9.6	22.5	11.8	25.5	62.3
620.	9.6	20.5	13.7	24.7	56.2
630.	9.6	20.6	17.7	27.1	49.3
640.	9.5	21.7	19.4	29.1	48.1
650.	9.5	23.3	20.7	31.2	48.4
660.	9.4	22.9	25.5	34.3	41.9
670.	9.2	22.7	27.6	35.7	39.5
680.	9.3	19.4	24.0	30.8	39.0
690.	9.3	21.1	23.8	31.8	41.5
700.	9.1	23.1	22.0	31.9	46.3
710.	8.9	22.7	22.6	32.0	45.1
720.	8.9	23.3	20.0	30.7	49.4

DISCOVERY 102 STN 10084-2

PRESS	TEMP	FAST	NORTH	SPEED	DFG
10.	26.8	-56.8	151.1	161.4	339.4
20.	26.8	-61.8	149.4	161.7	337.5
30.	26.8	-60.9	149.2	161.2	337.8
40.	25.7	-79.6	125.5	148.6	327.6
50.	23.3	-80.9	67.0	105.0	309.6
60.	21.5	-48.9	51.4	70.9	316.5
70.	19.3	-37.6	35.2	51.5	313.1
80.	18.7	-38.4	24.5	45.5	302.5
90.	18.5	-35.4	27.2	44.6	307.5
100.	18.3	-34.6	25.0	42.7	305.9
110.	18.2	-21.7	26.7	34.4	320.8
120.	17.9	-14.7	30.5	33.8	334.2
130.	17.4	-23.4	21.7	31.9	312.8
140.	17.2	-21.8	15.3	26.6	305.0
150.	16.9	-7.0	26.2	27.1	345.0
160.	16.7	-1.4	24.9	24.9	356.8
170.	16.2	4.9	-12.1	13.0	157.9
180.	15.4	-22.7	-36.4	42.9	211.9
190.	15.1	-28.9	-34.9	45.3	219.7
200.	14.9	-23.6	-20.8	31.4	228.7
210.	14.4	-24.0	-18.7	30.5	232.0
220.	13.6	-28.7	-22.6	36.6	231.8
230.	13.3	-26.9	-23.6	35.8	228.8
240.	13.2	-17.4	-16.7	24.1	226.1
250.	13.1	-18.3	-16.8	24.8	227.6
260.	13.1	-16.0	-15.4	22.2	226.2
270.	13.0	-16.6	-4.5	17.2	254.8
280.	12.8	-21.4	-6.1	22.2	254.1
290.	12.6	-26.8	-13.3	29.9	243.5
300.	12.5	-26.0	-15.4	30.2	239.4
310.	12.4	-28.4	-14.5	31.9	242.9
320.	12.2	-30.2	-11.0	32.1	249.9
330.	12.2	-26.1	-10.6	28.2	247.9
340.	12.1	-25.6	-7.2	26.6	254.4
350.	11.8	-24.1	1.3	24.1	273.2
360.	11.5	-24.0	-3.5	24.2	261.8
370.	11.4	-23.1	-8.3	24.6	250.2
380.	11.4	-24.0	-4.5	24.4	259.4
390.	11.3	-23.2	7.5	24.3	287.9
400.	11.3	-23.4	3.8	23.7	279.2
410.	11.1	-23.3	-5.1	23.9	257.7
420.	11.1	-24.7	-5.2	25.2	258.0
430.	11.0	-26.3	-4.2	26.7	260.9
440.	10.9	-29.1	-3.9	29.4	262.4
450.	10.8	-30.3	-3.3	30.5	263.7
460.	10.6	-29.2	-0.8	29.2	268.4
470.	10.5	-28.8	0.9	28.9	271.8
480.	10.3	-28.9	-1.2	28.9	267.6
490.	10.1	-28.6	-3.6	28.8	262.7
500.	10.2	-28.4	-6.7	29.2	256.8
510.	10.4	-26.3	-8.0	27.5	253.1
520.	10.6	-25.1	-8.0	26.3	252.4
530.	10.6	-21.8	-6.0	22.6	254.6
540.	10.5	-19.3	-5.8	20.2	253.3
550.	10.4	-16.7	-5.6	17.6	251.6
560.	10.3	-17.7	-6.0	18.7	251.3
570.	10.3	-16.6	-7.5	18.2	245.5
580.	10.2	-15.8	-9.5	18.4	239.0
590.	10.2	-16.8	-7.5	18.4	246.1
600.	10.2	-15.3	-1.8	15.5	263.4
610.	10.1	-16.8	1.0	16.9	273.3
620.	10.2	-17.5	0.4	17.5	271.3
630.	10.3	-17.4	0.4	17.4	271.5
640.	10.2	-18.8	-2.1	18.9	263.8
650.	9.9	-18.2	-1.8	18.3	264.2
660.	9.5	-16.5	-3.0	16.8	259.7
670.	9.7	-16.4	-1.3	16.5	265.3
680.	9.7	-14.3	0.4	14.3	271.5
690.	9.6	-13.6	2.1	13.8	278.9
700.	9.5	-14.5	-0.2	14.5	269.2
710.	9.5	-17.5	-3.6	17.9	258.5
720.	9.4	-16.7	-4.8	17.4	253.8
730.	9.4	-14.0	-5.5	15.0	248.7
740.	9.4	-14.5	-5.5	15.5	249.4
750.	9.4	-15.2	-3.2	15.5	258.0

DISCOVERY 102 STN 10084-3

PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.	26.8	-14.9	159.8	160.5	354.7
20.	26.8	-60.0	155.3	166.5	338.9
30.	26.8	-70.8	142.8	159.4	333.6
40.	26.6	-88.1	124.0	152.1	324.6
50.	24.2	-97.7	77.8	124.9	308.5
60.	21.0	-56.5	51.7	76.6	312.5
70.	18.8	-26.8	43.7	51.3	328.4
80.	18.5	-26.0	37.0	45.2	324.9
90.	18.4	-28.8	27.5	39.8	313.6
100.	18.3	-30.9	1.5	30.9	272.7

DISCOVERY 102 STN 10084-4

PRESS	TEMP	EAST	NORTH	SPEED	DEG
10.	26.8	-8.4	166.8	167.0	357.1
20.	26.8	-64.5	161.2	173.7	338.2
30.	26.7	-76.2	144.8	163.6	332.3
40.	26.1	-87.5	130.1	156.8	326.1
50.	23.8	-78.6	93.6	122.2	320.0
60.	21.5	-58.5	59.0	83.1	315.3
70.	19.1	-40.6	34.9	53.5	310.6
80.	18.5	-34.4	4.8	34.8	278.0
90.	18.4	-26.2	19.7	32.8	307.0

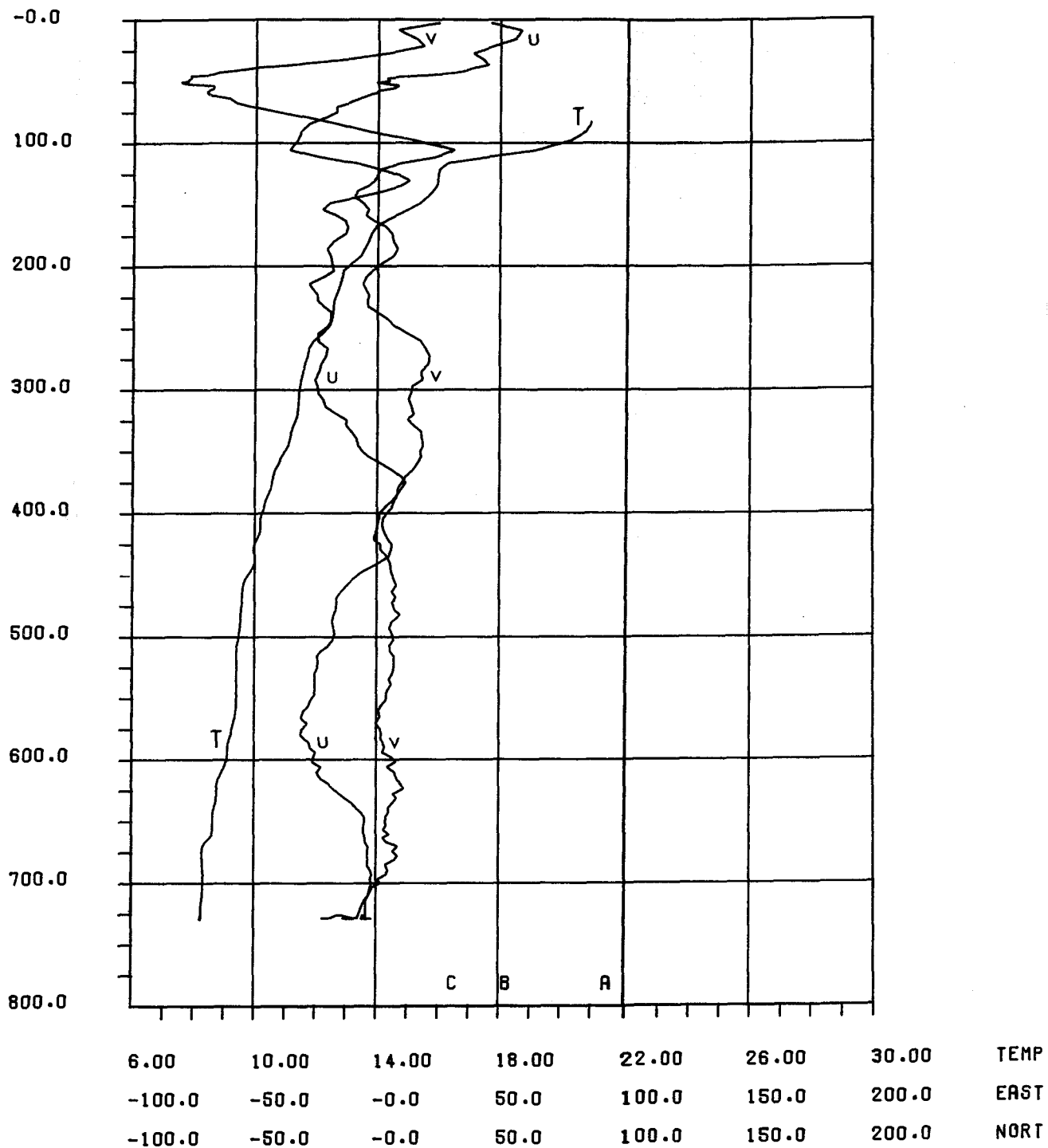
DISCOVERY 102 STN 10084-5

PRESS	TEMP	EAST	NORTH	SPEED	DEG
20.	26.8	-65.9	127.5	143.6	332.7
30.	26.5	-73.4	113.6	135.3	327.1
40.	26.0	-82.4	104.0	132.7	321.6
50.	24.5	-90.4	77.0	118.8	310.4
60.	21.5	-61.7	44.2	75.9	305.6
70.	18.9	-33.1	24.6	41.2	306.7
80.	18.5	-29.4	15.3	33.1	297.5
90.	18.4	-28.4	18.2	33.7	302.6
100.	18.4	-23.6	11.9	26.4	296.7

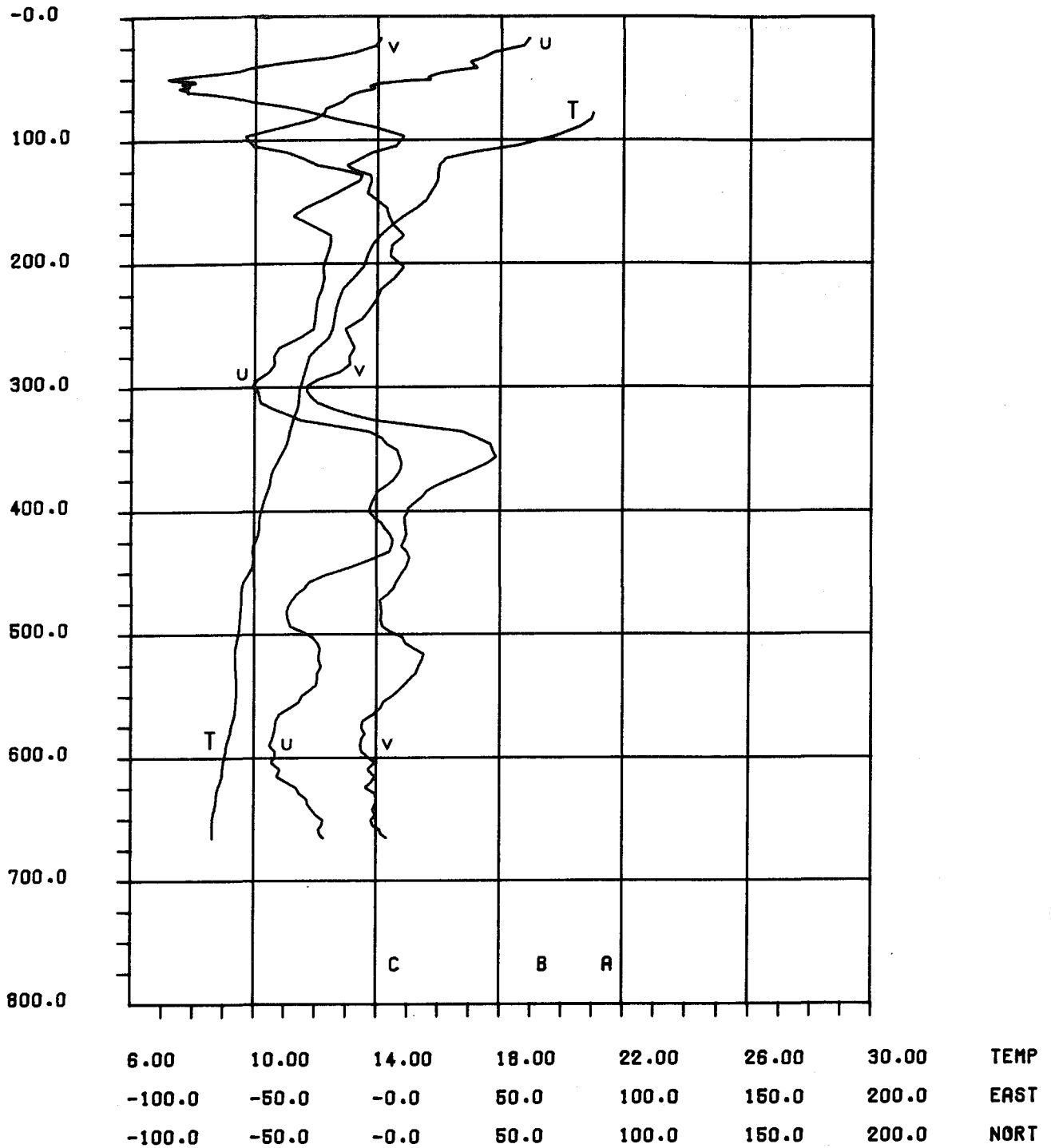
DISCOVERY 102 STN 10084-6

PRESS	TEMP	EAST	NORTH	SPEED	DEG
20.	26.8	-50.8	152.6	160.9	341.6
30.	26.6	-68.9	130.8	147.8	332.2
40.	25.7	-90.2	111.0	143.0	320.9
50.	24.1	-91.4	71.3	115.9	307.9
60.	21.1	-59.4	26.4	65.0	294.0
70.	18.7	-33.3	9.5	34.7	285.9
80.	18.5	-27.7	19.3	33.7	304.8
90.	18.4	-26.3	32.9	42.1	321.3
100.	18.4	-20.7	19.6	28.5	313.4

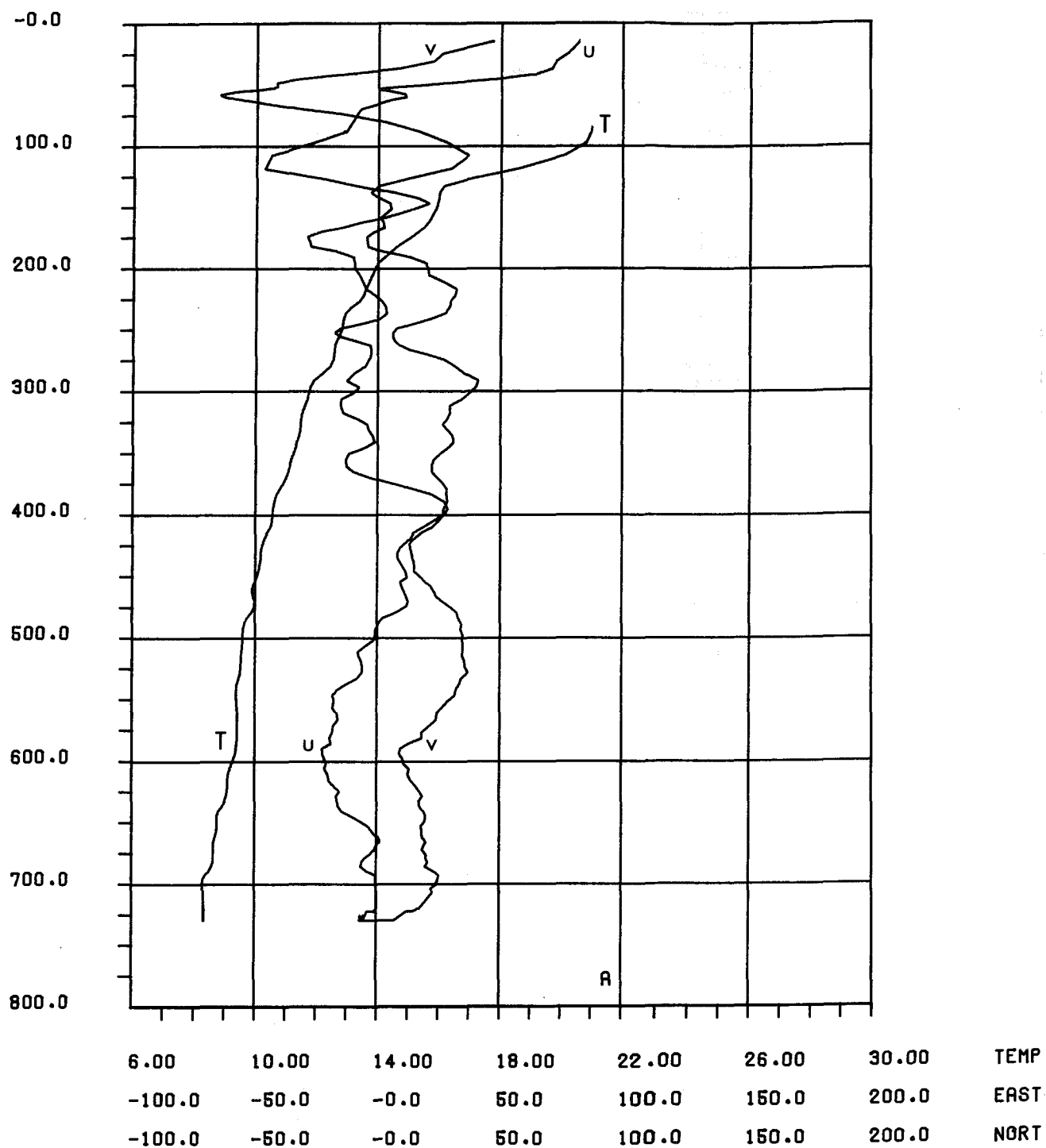
PRESSURE



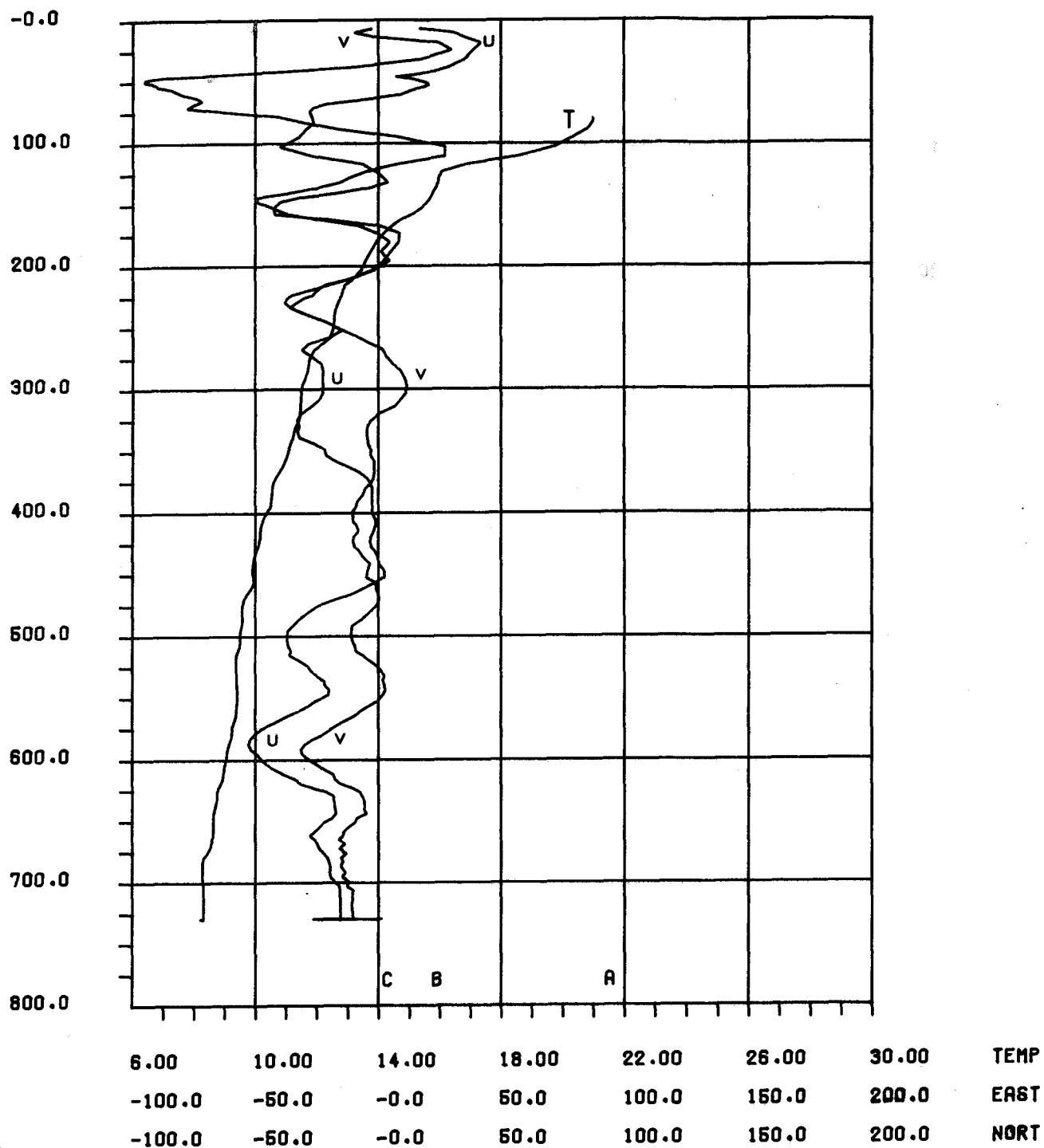
PRESSURE



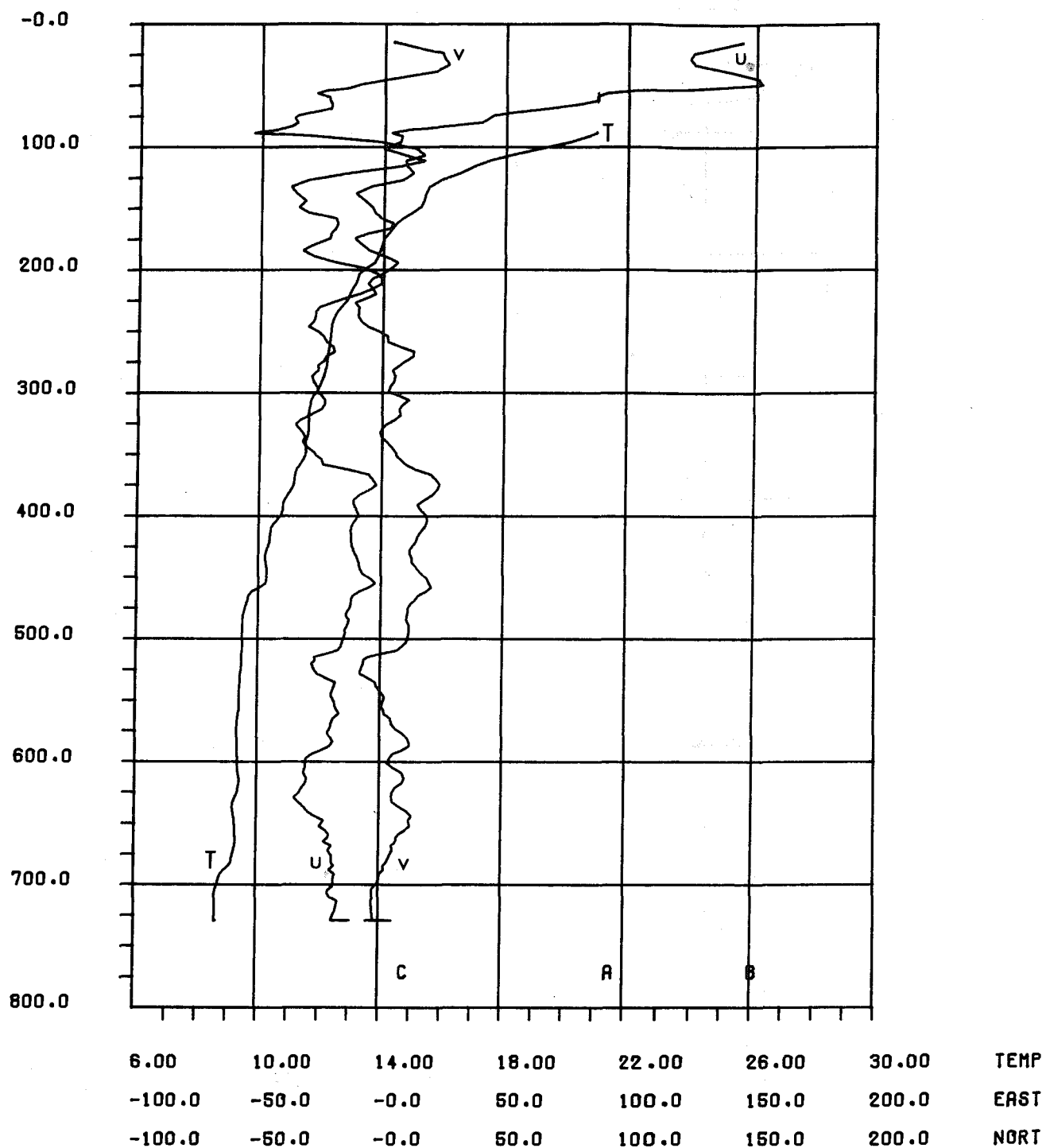
PRESSURE



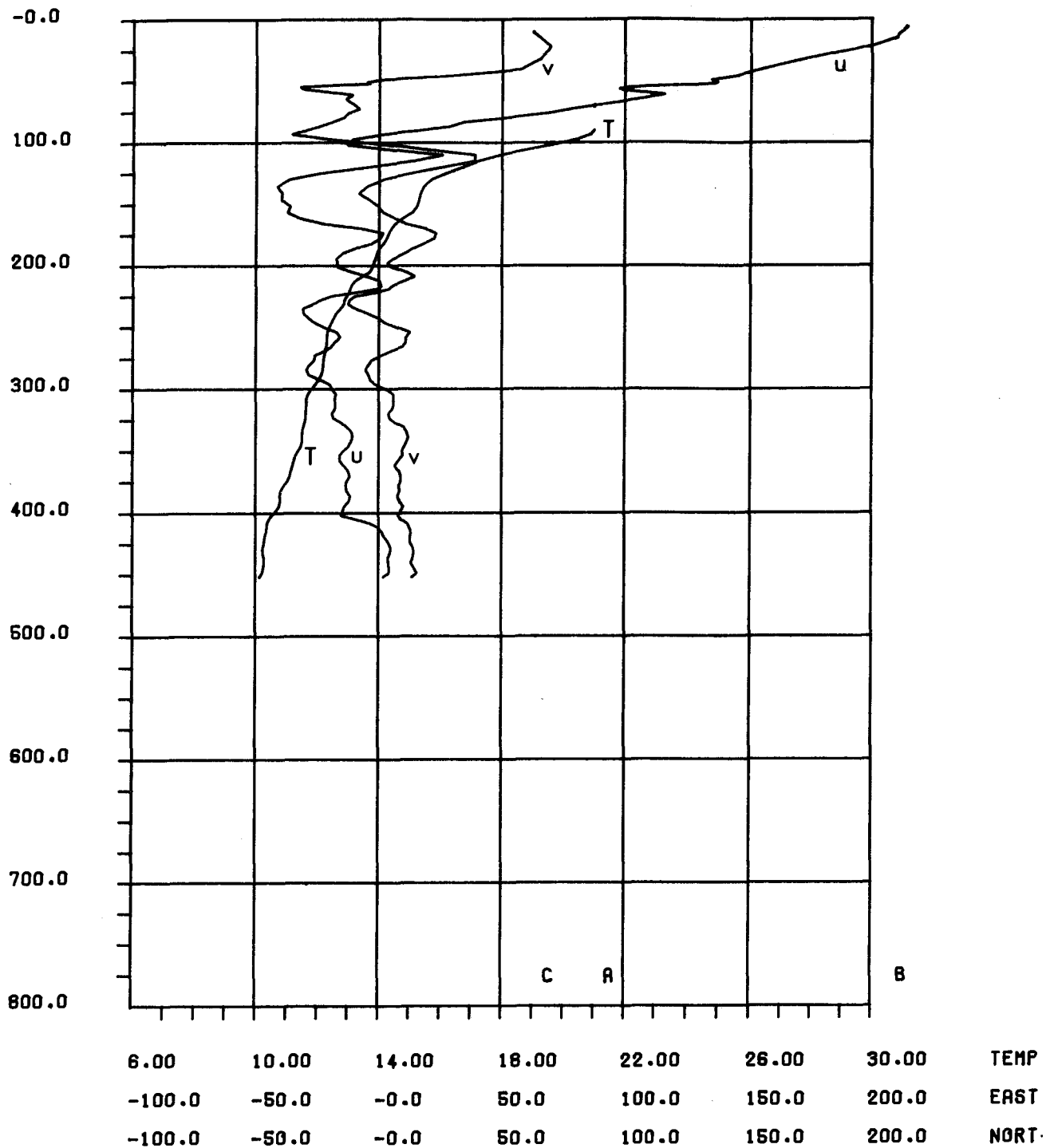
PRESSURE



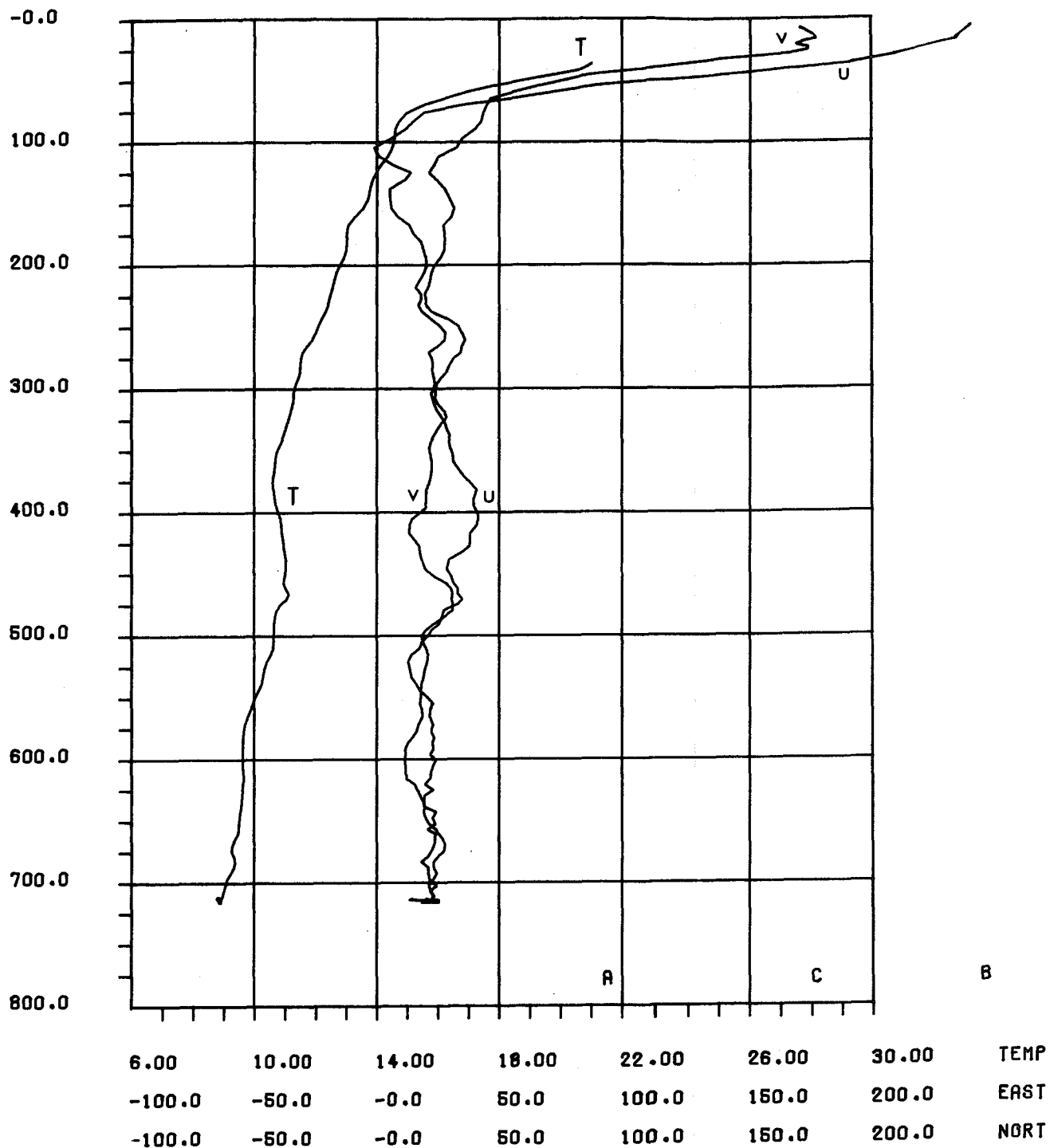
PRESSURE



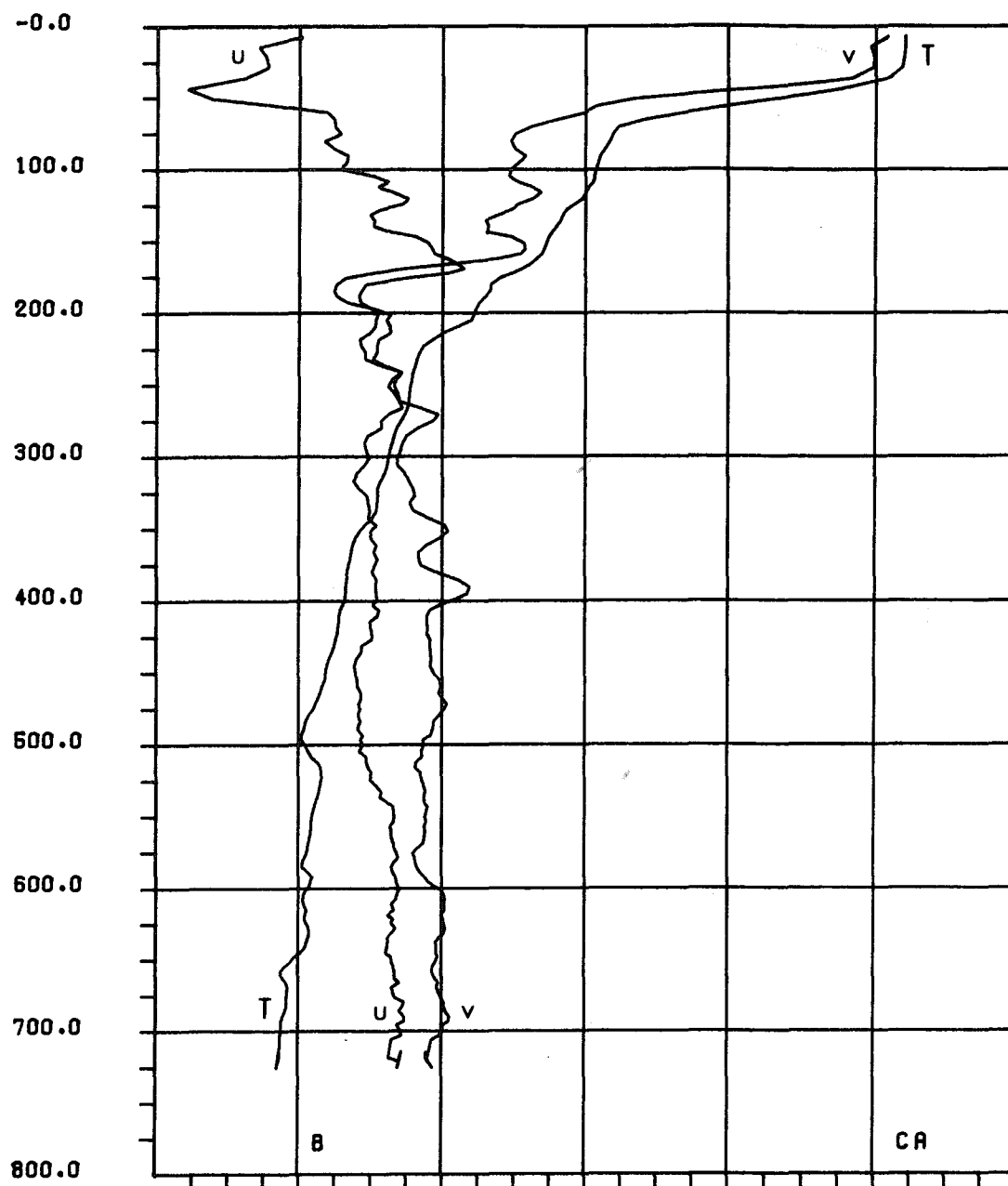
PRESSURE



PRESSURE

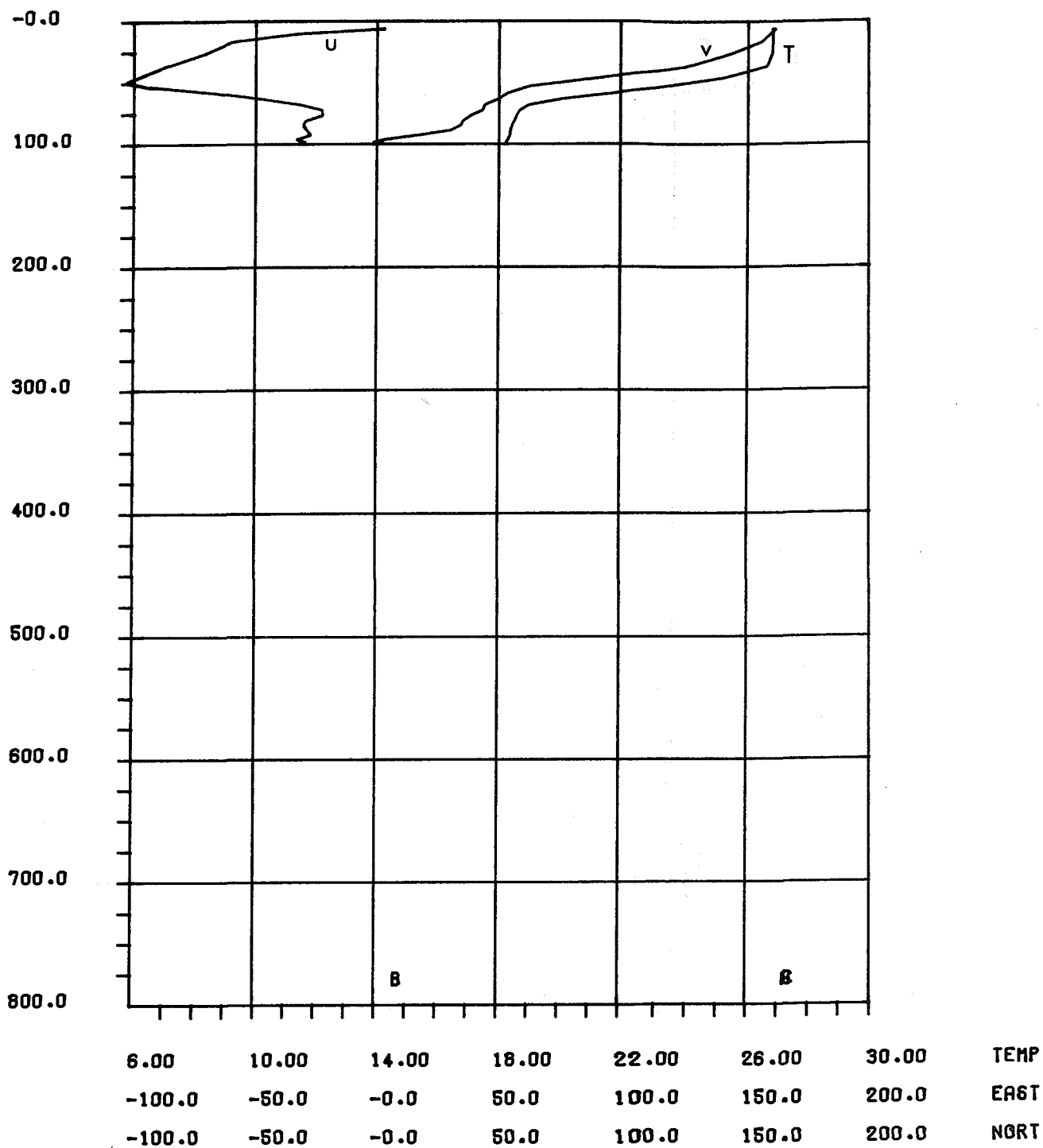


PRESSURE

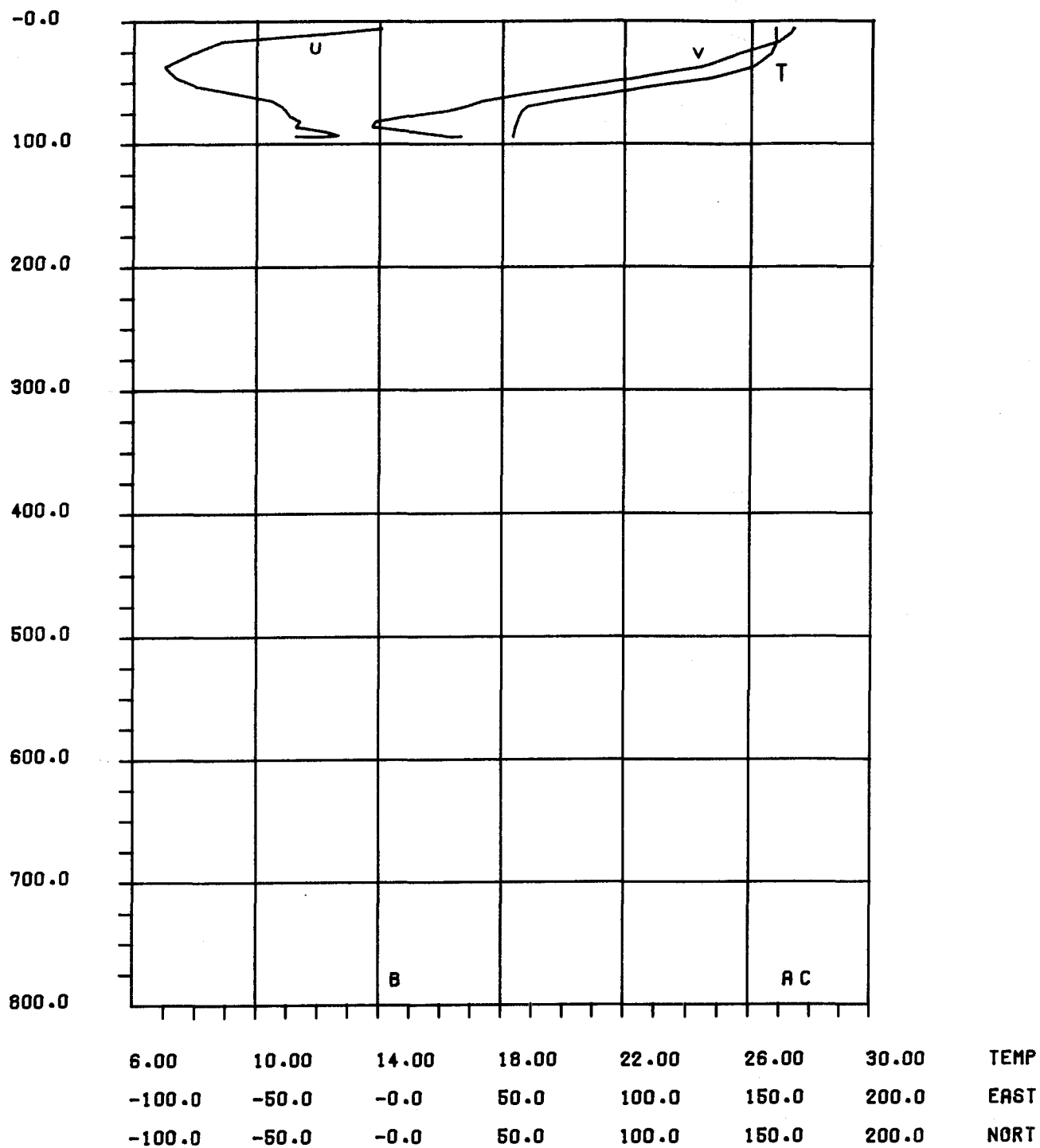


6.00	10.00	14.00	18.00	22.00	26.00	30.00	TEMP
-100.0	-50.0	-0.0	50.0	100.0	160.0	200.0	EAST
-100.0	-50.0	-0.0	50.0	100.0	150.0	200.0	NORT

PRESSURE

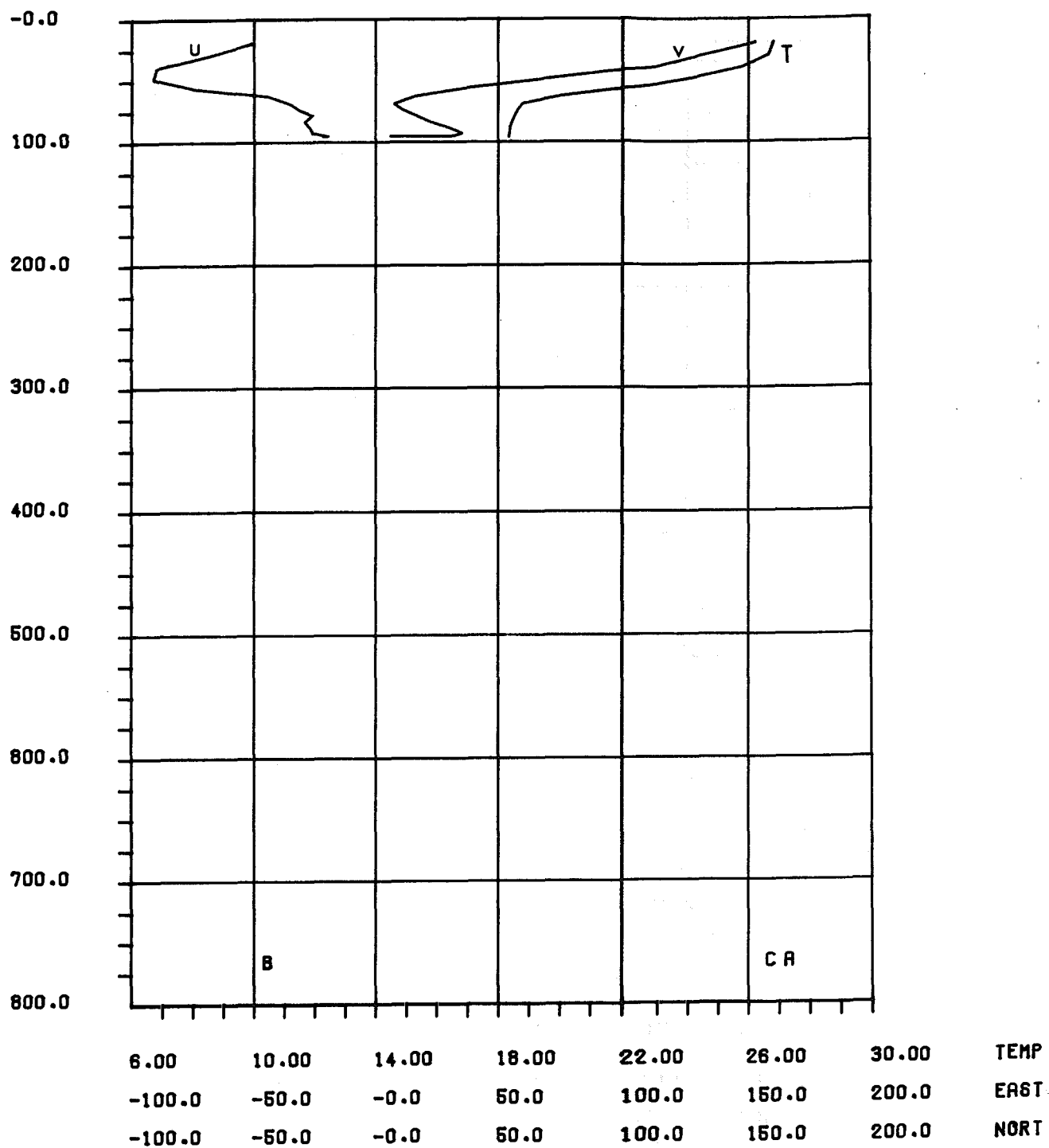


PRESSURE

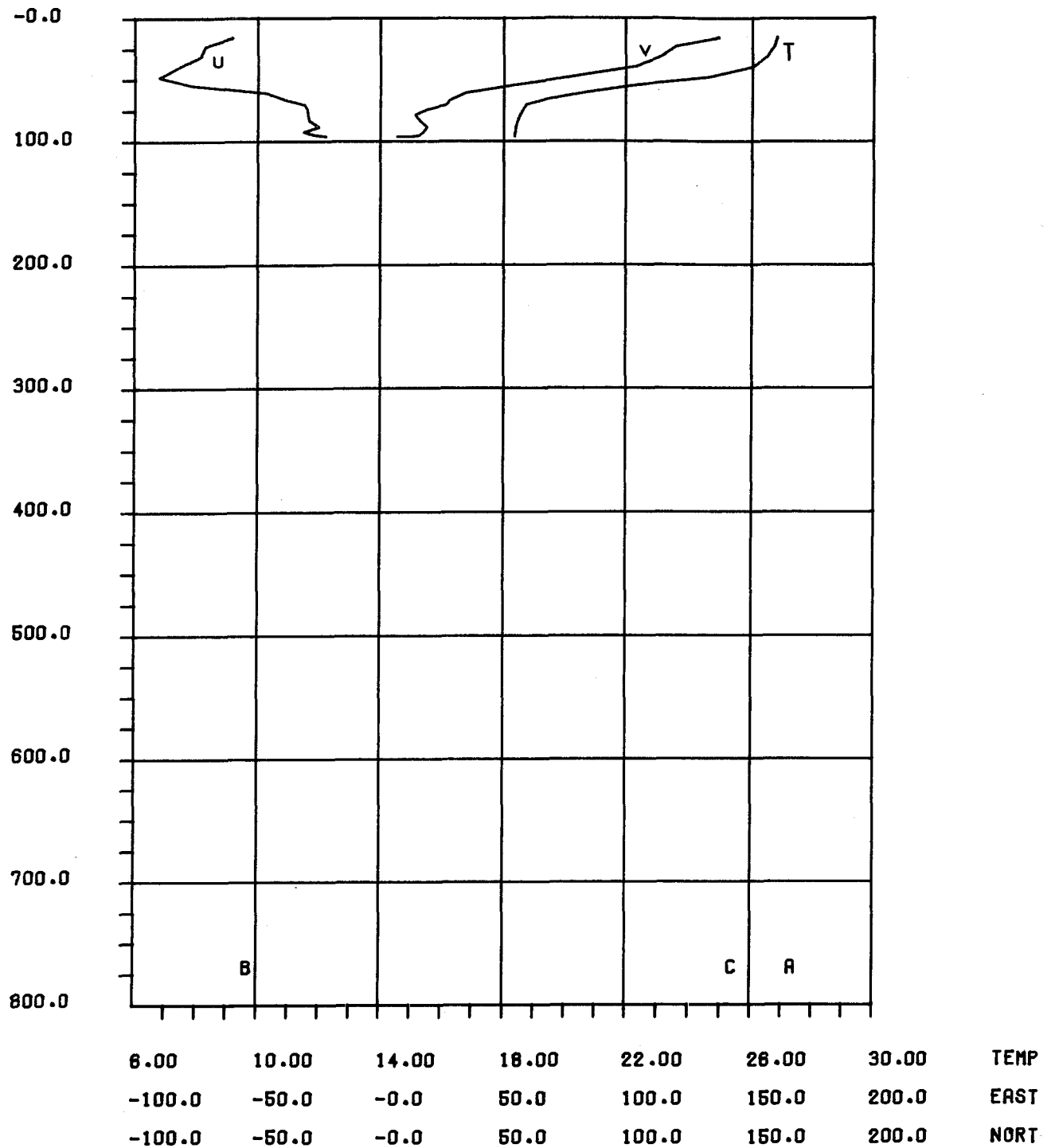


PRESSURE

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PRESSURE





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