NOAA Data Report ERL AOML-5

CURRENT VELOCITY AND HYDROGRAPHIC OBSERVATIONS IN THE STRAITS OF FLORIDA: SUBTROPICAL ATLANTIC CLIMATE STUDY (STACS) 1983 AND 1984

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I. INTRODUCTION

The primary objective of the Sub-Tropical Climate Study (STACS) is to define which oceanographic processes are important in meridional heat flux. As the Florida Current has been shown to play an important role in this flux, the initial emphasis of STACS was to develop the capability to monitor the variability of oceanic heat and mass transport in the Straits of Florida. As described in Molinari et al. (1985), STACS consisted of several separate projects designed to verify the ability of different remote sensing techniques to measure continuously Florida Current velocity, transport and/or temperature. The verification data were collected by different organizations using independent instruments and techniques. Pegasus current profilers were used by the Atlantic Oceanographic and Meteorological Laboratory/NOAA (AOML) and the University of Miami Rosenstiel School of Marine and Atmospheric Science (RSMAS), and current meter moorings were deployed by RSMAS. The remote sensing techniques included an electromagnetic (telephone) cable monitored by the Pacific Marine Environmental Laboratory/NOAA (PMEL), a coastal radar system operated by the Wave Propagation Laboratory/NOAA (WPL), coastal tide and bottom pressure gauges used by AOML and acoustic techniques, RSMAS. Results from the verification experiment are described in a series of SCIENCE articles (Molinari et al., 1985).

Data collection efforts discussed here were concentrated in the region of 27°N across the Straits of Florida. The approximate position(s) of the various observation strategies are presented in Figure 1. Pegasus data collected by AOML during six research cruises in April, August and December 1983 and January, March and June 1984 will be presented in this report. Data from other STACS Pegasus cruises are described in Williams et al. (1983), Leaman and Vertes (1982), and Vertes and Leaman (1983).

II. DATA COLLECTION AND ANALYSIS

Data from STACS cruises conducted on the R/V VIRGINIA KEY in April and August 1983 and January and June of 1984 and on the NOAA Ship RESEARCHER in December 1983 and March 1984 are listed in this report. Table 1 shows the type of data collected on each cruise. We now describe the techniques used to reduce the Pegasus, CTD, XBT and Ametek-Straza data to final form.

A. Pegasus Current Profiler

The Pegasus instrument is an acoustically-tracked, free-falling profiler of horizontal current components (Spain et al., 1981). A schematic of the Pegasus system as it is used in the Straits of Florida is shown in Figure 2. The Pegasus instrument used by AOML consists of a hollow cylindrical metal tube with the electronics package sealed within. A floatation collar attached to the exterior of the cylinder provides the instrument buoyancy in the water. Pegasus houses a transducer/receiver, a thermistor and a pressure sensor. When the Pegasus is in the water, its transducer interrogates two fixed transponders on the ocean bottom at a frequency of 10 KHz at an interval of eight or sixteen seconds. Each transponder responds at a different frequency. The Pegasus internally records the acoustic travel times from the transponders, along with temperature and pressure. Transponder frequency pairs are

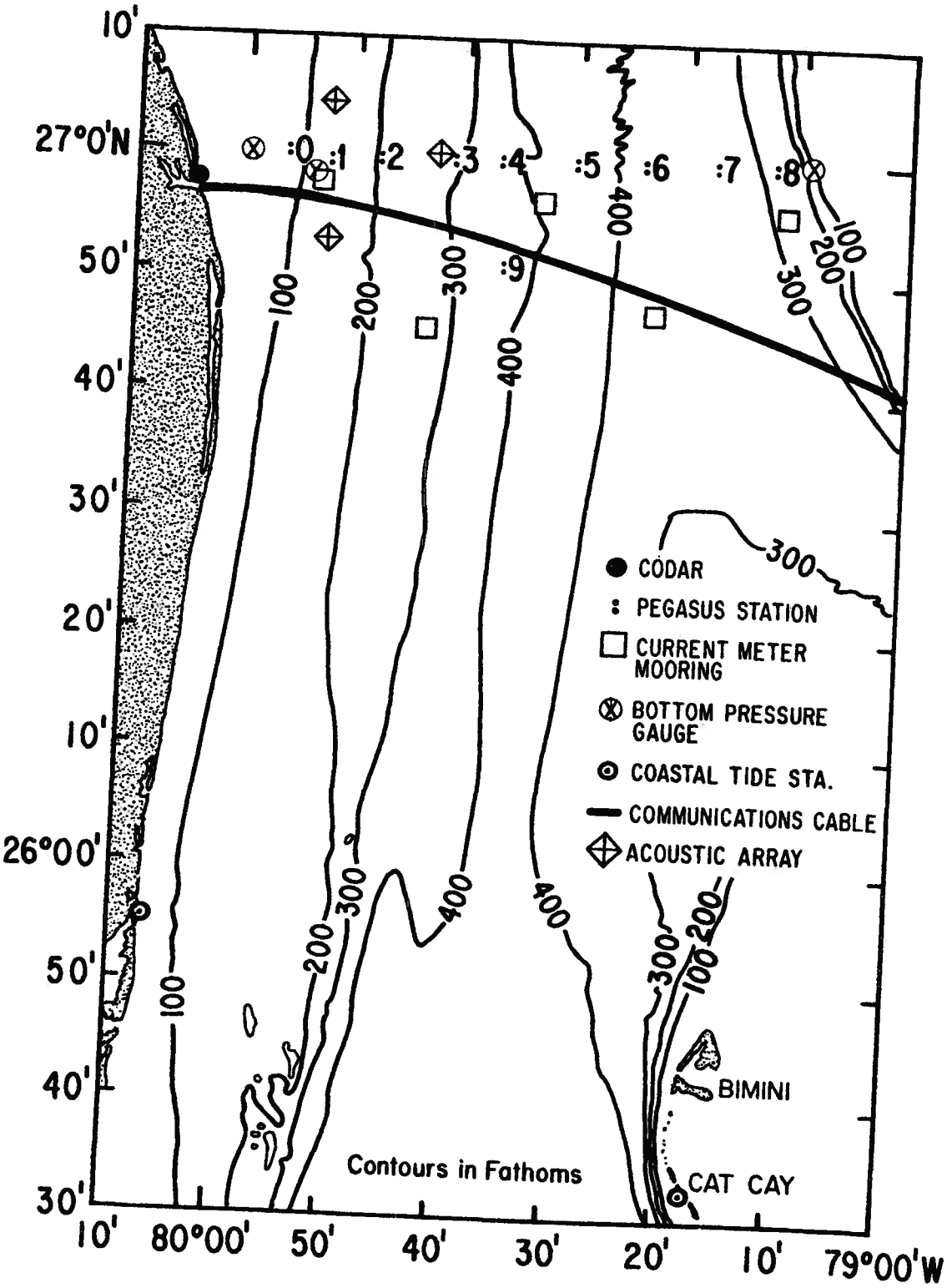

Figure 1: Locations of STACS projects in the Straits of Florida.

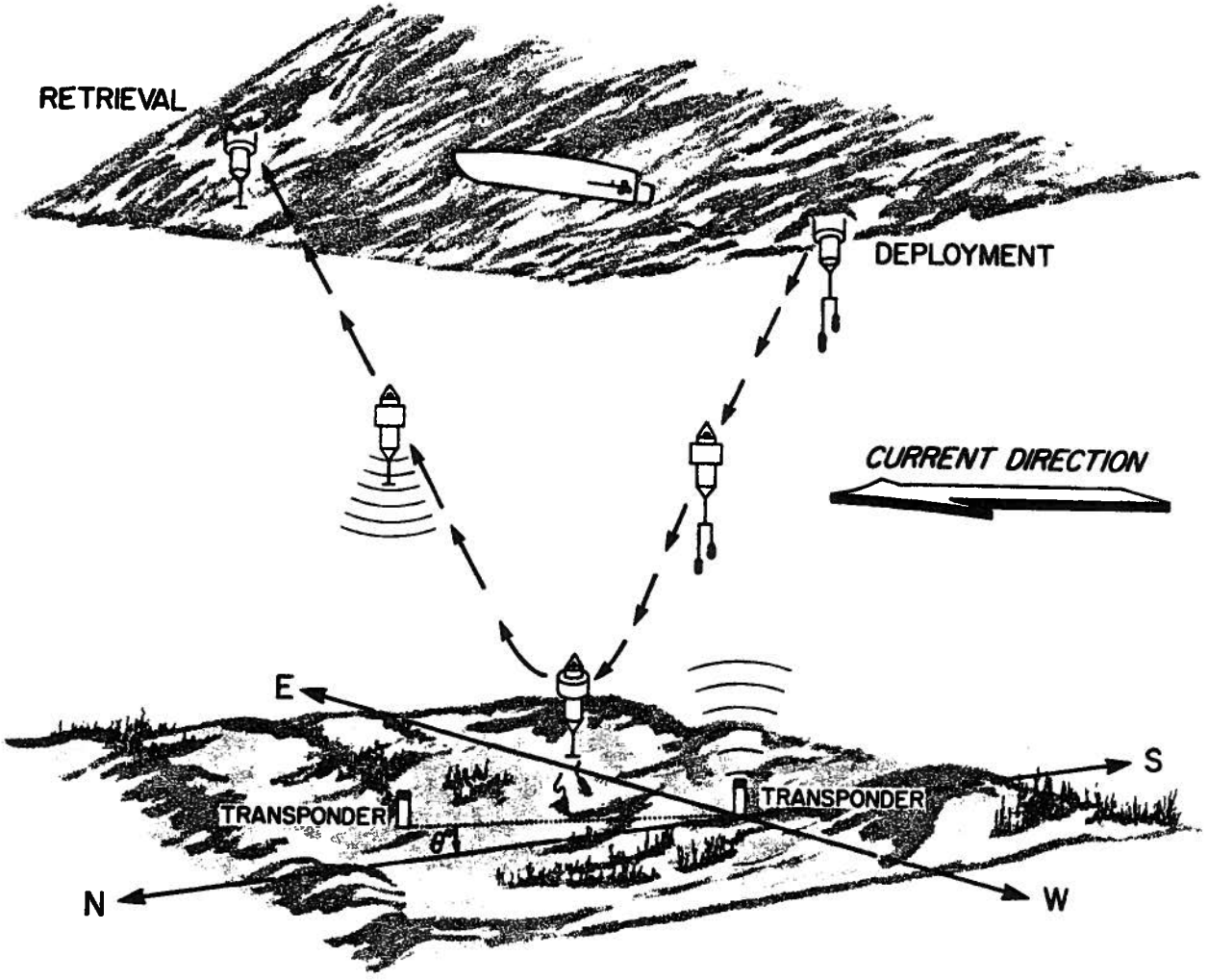

Figure 2: Schematic of the Pegasus current profiler as it is used in the Straits of Florida.

Table 1. Types of Data Collected by Cruise.

Cruise	Vessel	Pegasus	CTD	XBT	Ametek St
April 1983 (VK-STACS 6-83)	VIRGINIA KEY	X	---	---	---
August 1983 (VK-STACS 9-83)	VIRGINIA KEY	X	---	---	---
December 1983 (RES-STACS 12-83)	RESEARCHER	X	X	X	X
January 1984 (VK-STACS 13-84)	VIRGINIA KEY	X	---	X	---
March 1984 (RES-STACS 14-84)	RESEARCHER	X	X	X	X
June 1984 (VK-STACS 15-84)	VIRGINIA KEY	X	---	---	---

alternated between stations in order to avoid interference from adjacent stations.

The instrument is weighted at the beginning of the drop and falls at a rate between 28-50 cm/sec. This rate may be adjusted by adding or removing the weights contained inside the Pegasus. External weights are released by a bottom trip mechanism when the weights touch the ocean floor. The instrument ascends at approximately the same rate as it descends.

The appropriate drop sites have been determined as being approximately one water depth south and one water depth east of the southernmost transponder. Due to the strong northward velocities encountered in the Florida Current, the positioning of the instrument drop site is crucial. The instrument could be carried beyond the range of the transponders if it is deployed too far north. The geometry used to compute the absolute velocity of the instrument also requires that the instrument does not move across the baseline.

Each Pegasus station is defined by a unique geometry (see Table 2). A mean sound velocity profile for each station is used to convert the acoustic travel times from the transponders to the instrument into ranges in meters. The baseline becomes the base of a triangle which is projected onto the bottom. The X and Y coordinates of the instrument at each pressure can then be determined.

Following a Pegasus cast the contents of the instrument's solid state memory are transferred to a Hewlett Packard 85 computer for conversion to decimal values and storage on flexible diskettes. The conversion of raw data to a velocity profile is done on an HP-86 in three steps: editing, calibration and velocity computations. Following is a brief description of each step.

1. Editing

Two files are created for each Pegasus cast: an ASCII character header file on magnetic tape containing cast information and a multi-record data file on magnetic disk. Each record contains decimal values of the original Pegasus memory address, corresponding pressure and temperature sensor output counts and two travel times significant to 10^{-4} second. HP-86 BASIC programs allow graphic display and printed listings of the data for preliminary evaluation of data quality.

Errors can be introduced into the raw data due to instrument hardware errors and into the travel times by acoustic propagation irregularities such as the detection of reflected instead of direct path signals. Erroneous points are hand edited from the record and replaced by points estimated by a low order polynomial fit.

2. Calibration

Prior to each research cruise the Pegasus pressure sensor is calibrated to produce second order polynomial fits of pressure counts versus pressure in decibars (db). Standard deviations from the fits over the working range of

Table 2. Summary of PEGASUS Station Geometry.

Station	Transponder Parameters				Mean Sound* Velocity (m/s)	Baseline Length (m)
	Latitude (N)	Longitude (W)	Frequency (KHz)	Depth (m)		
0	27°00.38'	79°56.46'	12.0	126.0	----	650
	27°00.08'	79°56.51'	11.5	134.0		
1	26°59.74'	79°52.37'	13.0	222.2	1521.9	852
	26°59.34'	79°52.41'	12.5	219.1		
2	26°59.19'	79°47.26'	12.0	360.7	1515.7	1210
	26°58.57'	79°47.31'	11.5	359.2		
3a	27°00.41'	79°41.48'	12.5	500.7	1512.7	1489
	26°59.64'	79°41.51'	13.0	503.0		
4	26°59.42'	79°36.86'	12.0	613.0	1511.7	1337
	26°58.72'	79°36.76'	11.5	618.3		
5	27°00.19'	79°30.02'	13.0	748.9	1511.5	1499
	26°59.36'	79°29.97'	12.5	762.6		
6	26°59.91'	79°24.13'	11.5	717.6	1517.2	1722
	26°59.15'	79°24.20'	12.0	696.4		
6a (July 1983)	27°00.75'	79°22.66'	11.5	688.0	----	1722
	26°59.79'	79°22.83'	12.0	690.0		
7	26°59.93'	79°17.68'	13.0	637.2	1523.6	1313
7a (March 1984)	26°59.19'	79°17.63'	12.5	633.8		
8	27°00.21'	79°12.14'	11.5	505.9	1528.5	1564
	26°59.34'	79°12.04'	12.0	516.6		
9	26°51.20'	79°36.16'	12.0	672.7	1510.1	1338
	26°50.49'	79°36.20'	11.5	674.7		

*As computed from June 1982 CTD data and historical data.

the sensors are generally on the order of 1 db. After the raw data has been edited the pressure counts are converted to decibars. Pressure is further smoothed with a five point running mean. Cast limits (surface/bottom/surface) are recorded in the header file and the data are split into downcast and upcast files containing two travel times and pressure (db).

3. Velocity Calculation

Given the transponder depths, baseline length, pressure and the travel times, the Pegasus position can be determined as described in the explanation of the Pegasus station geometry. Each station has an associated sound velocity profile used to calculate harmonic mean velocity and thus convert acoustic travel times to distance for input into the position equations. The resulting profiles of X and Y position (in unrotated baseline coordinates) versus depth are smoothed with a seven point convolution. The resulting U and V velocity components are then rotated into a true geographic coordinate system. Each cast produces two profiles: one represents the downcast portion and the other the upcast. Only one profile from each cast was chosen and these data for each cruise are presented by increasing cast number in Appendix A.

B. CTD Data

1. System Description

The Neil Brown Instrument Mark III CTD system is equipped with a fast response thermistor. Stations were conducted primarily along 27°N latitude and at longitudes not necessarily coincident with Pegasus stations.

The instrument scans in the vertical at a rate of 30 scans per second. The descent rate is approximately 30 meters per minute to a depth of 200 meters then increases to 60 meters per minute for the remainder of the cast. CTD values are averaged in one decibar increments. Appendix B contains graphic representations of CTD profiles arranged by cruise and cast number. CTD values are listed at selected depths.

2. Calibration

Four hydrocasts were taken during the December 1983 cruise and nine taken on the March 1984 cruise for purposes of calibrating the raw data for instrument drift. Differences between CTD values recorded at the time of bottle trip and Niskin bottle values for corrected protected temperature (reversing thermometers) and salinity were determined. Calibration results for December 1983 follow:

delta-T: mean = -0.01, s.d. = .04, N = 5
delta-S: mean = 0.00, s.d. = .02, N = 12

Based on these values, no correction was made to the CTD data.

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Based on these values, no correction was made to the CTD data.

In March 1984, calibration data were not collected for temperatures. Based on the previous history of the CTD no correction for temperature was made. Calibration results for salinity were

delta-S: mean = -.038, s.d. = .012, N = 39

In this case CTD salinities were corrected by adding .038°/oo before further processing.

C. XBT Data

Expendable bathythermograph (XBT) probes were used during the December 1983 and January and March 1984 research cruises. The XBT probes used were T-7's which record a temperature profile down to 750 meters. Appendix C presents XBT data by cruise and cast number.

D. Ametek Straza Data

Beginning in November of 1982, all cruises on the NOAA Ship RESEARCHER have provided continuous upper ocean current velocity shear data collected by an Ametek Straza Doppler acoustic current profiler. The installation and early data sets are described in Bitterman and Wilson (1983); further results and an evaluation of referencing the profiles by navigation is described in Wilson et al. (1984). Other data sets from this source are evaluated in Leetmaa and Wilson (1985a, 1985b).

The Florida Current velocity sections in this report (Appendix D) are a highly condensed version of an initially large data set. In its commonly used mode, the Ametek Straza profiler records velocity shear data in the upper 350 meters of the ocean at 6.4 meter vertical intervals 35 times per minute. The profiler is driven by a PDP 11/23 computer which converts velocity data to north and south components, averages for one minute, and writes the average to tape along with all ship's navigation data acquired in that minute.

In the Straits of Florida, LORAN C navigation is used to estimate ship velocity to reference the shear profiles. LORAN C time delays are recorded from four to seven times per minute; these are smoothed and converted to latitude and longitude. Latitude and longitude are first differenced over 30 seconds to give northward and eastward ship velocity components; these are further smoothed and averaged over the same one minute periods as the shear data. The resulting absolute velocities are further averaged over 10 to 30 minutes (to allow no coarser than 2 to 3 km spatial resolution); these averages are interpolated to 10 meter depth intervals. Finally the average absolute profiles are mapped (using a 10 to 20 km wide Gaussian window) onto the 4 or 5 km by 10 meter grids seen in the sections.

Previous comparisons with Pegasus data have shown a mean agreement of better than 10 cm/s to 250 m depth. Comparisons in the Straits of Florida suggest that the Ametek Straza data may overestimate the northward velocity below 200 m in the high speed core by 10 to 20 cm/s.

In the sections, tic marks along the axes represent locations of mapped current profile data; the dark line represents bottom topography at 27°N.

III. REFERENCES

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IV. ACKNOWLEDGMENTS

The extensive efforts of the officers and crew of the R/V VIRGINIA KEY and NOAA Ship RESEARCHER are gratefully acknowledged. Contributions by NOAA scientific and technical personnel, Mark Bushnell, Dave Bitterman, Eric Marmolejo, Doug Anderson, Bob Roddy and Warren Krug and by Liz Williams (University of Miami) are gratefully appreciated.

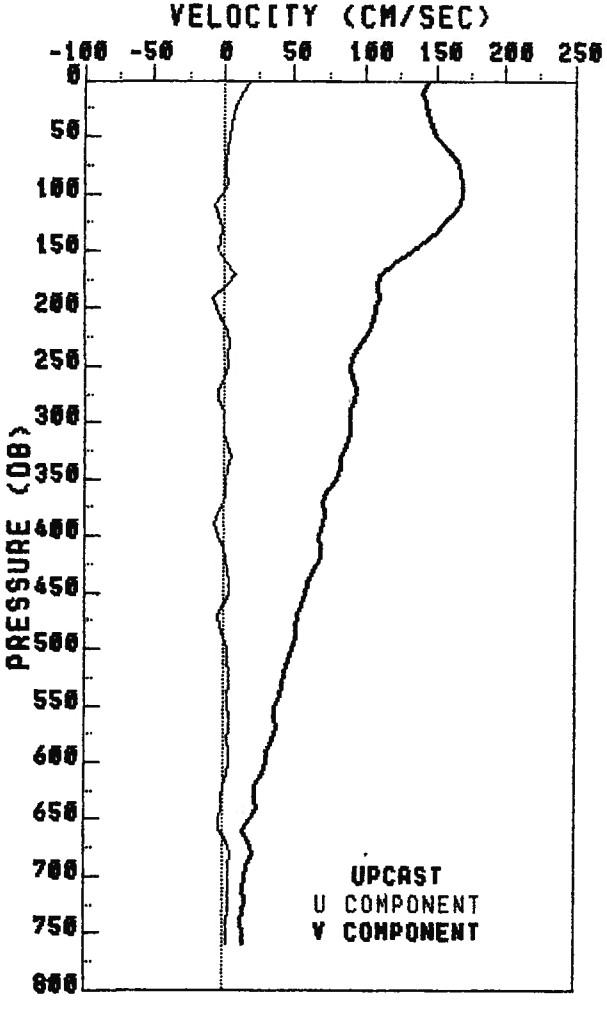
APPENDIX A: PEGASUS DATA

Casts are presented by cruise and increasing cast number. The cruise number and vessel, Pegasus cast and station number, Julian day and time, and position are shown at the top of each plot. "U" represents the east-west component of velocity. "V" represents the north-south component.

VK-STACS6-83 PEGASUS 008 STN 5

R/V VIRGINIA KEY JDAY 106 TIME 0842Z

LATITUDE 26.99 N LONGITUDE 79.49 W

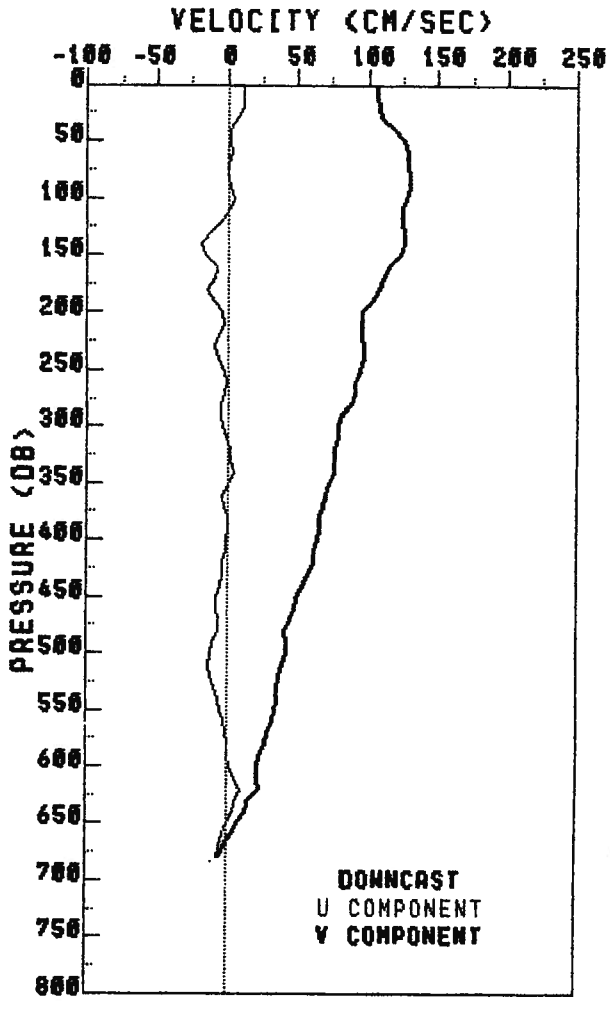


PRES	U	V
0	18.5	145.2
10	14.1	140.4
20	10.0	144.4
30	7.5	145.3
40	6.2	147.6
50	4.4	150.5
60	2.7	158.2
70	1.1	165.1
80	1.4	168.6
90	3.3	170.3
100	-1.8	170.2
110	-7.3	168.6
120	-4.3	161.3
130	-1.2	153.4
140	-2.0	143.8
150	-3.5	132.3
160	1.9	121.2
170	8.3	111.5
180	1.1	109.6
190	-7.4	110.3
200	-5.9	107.9
220	3.3	104.2
240	3.4	93.4
260	-0.2	92.3
280	-3.2	93.0
300	0.7	90.3
320	3.4	87.3
340	3.3	83.5
360	1.7	74.4
380	-3.9	72.3
400	-3.7	69.2
420	1.8	69.4
470	-3.8	53.7
520	3.8	43.6
570	4.2	38.4
620	0.6	24.0
670	2.9	19.1
720	3.9	16.3

VK-STACS6-83 PEGASUS 009 STN 6

R/V VIRGINIA KEY JDAY 106 TIME 1107Z

LATITUDE 26.99 N LONGITUDE 79.40 W

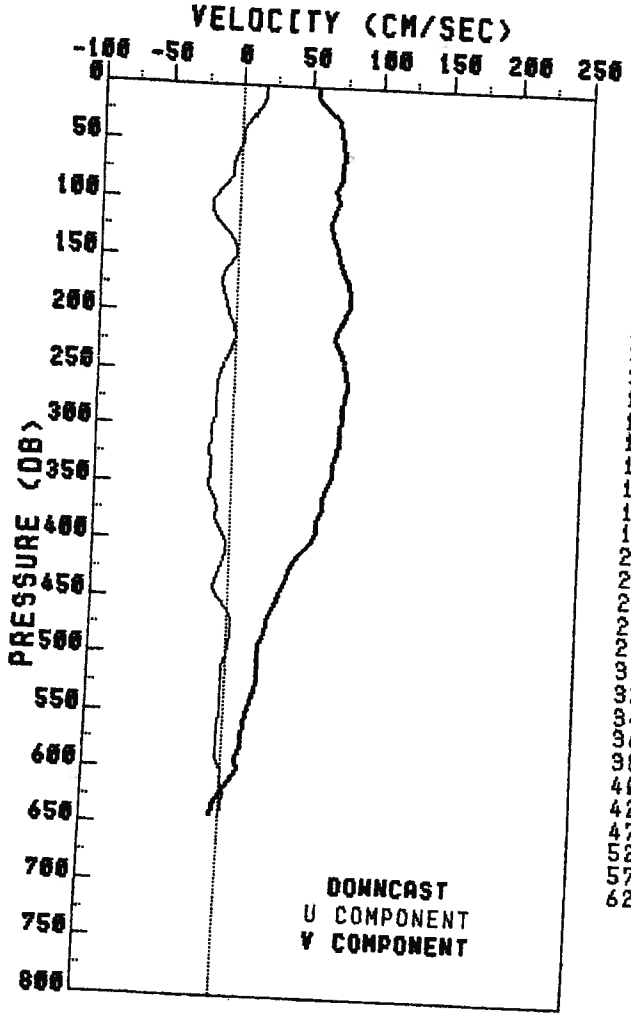


PRES	U	V
0	11.6	107.7
10	11.6	107.7
20	11.2	108.8
30	7.0	110.3
40	2.2	118.9
50	2.4	126.1
60	3.3	128.5
70	1.0	129.6
80	0.6	130.9
90	1.3	130.5
100	4.0	127.4
110	2.2	125.0
120	-4.1	125.2
130	-12.0	126.8
140	-19.0	126.3
150	-15.6	124.1
160	-8.1	115.4
170	-8.9	111.0
180	-15.0	108.1
190	-8.8	103.1
200	-3.8	96.5
220	-5.6	96.4
240	-5.9	97.6
260	-1.5	91.1
280	-4.3	87.8
300	-3.4	79.9
320	1.3	77.1
340	4.0	76.9
360	-2.9	70.6
380	0.0	66.5
400	-0.4	64.6
420	-3.7	61.7
470	-6.3	45.6
520	-11.7	37.3
570	-0.5	29.3
620	9.6	23.6
670	-4.7	-0.6

VK-STACS6-83 PEGASUS 010 STN 7

R/V VIRGINIA KEY JDAY 106 TIME 1319Z

LATITUDE 26.99 N LONGITUDE 79.29 W

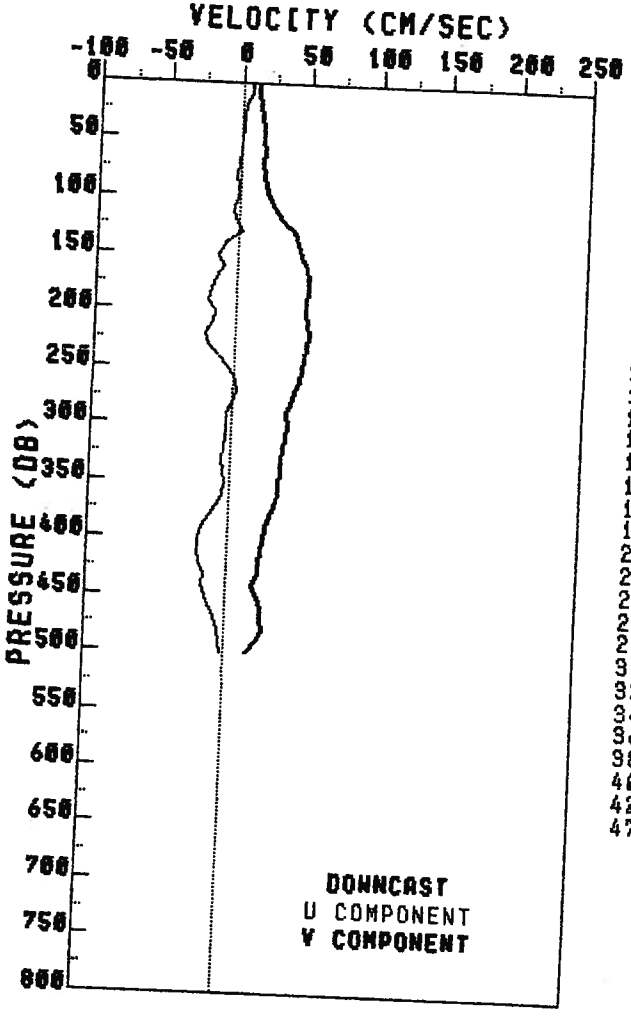


PRES	U	V
0	16.6	54.7
10	16.6	54.7
20	13.6	61.5
30	6.5	70.7
40	1.5	72.1
50	0.9	73.7
60	-2.9	75.2
70	-5.5	74.6
80	-5.2	73.6
90	-12.5	70.4
100	-18.3	72.1
110	-19.0	70.1
120	-14.3	67.1
130	-6.4	69.2
140	-0.9	72.3
150	-0.9	73.4
160	-8.4	76.7
170	-11.3	80.7
180	-9.1	82.8
190	-6.1	82.6
200	-5.6	79.2
220	0.2	72.7
240	-6.3	79.5
260	-12.1	81.9
280	-12.3	80.1
300	-15.3	77.9
320	-15.5	77.3
340	-14.2	74.3
360	-11.8	67.6
380	-10.9	63.6
400	-1.9	59.6
420	-4.9	45.5
470	3.5	29.0
520	-3.1	23.8
570	-4.3	14.3
620	3.4	1.8

VK-STACS6-83 PEGASUS 011 STN 8

R/V VIRGINIA KEY JDAY 106 TIME 1609Z

LATITUDE 27.00 N LONGITUDE 79.20 W

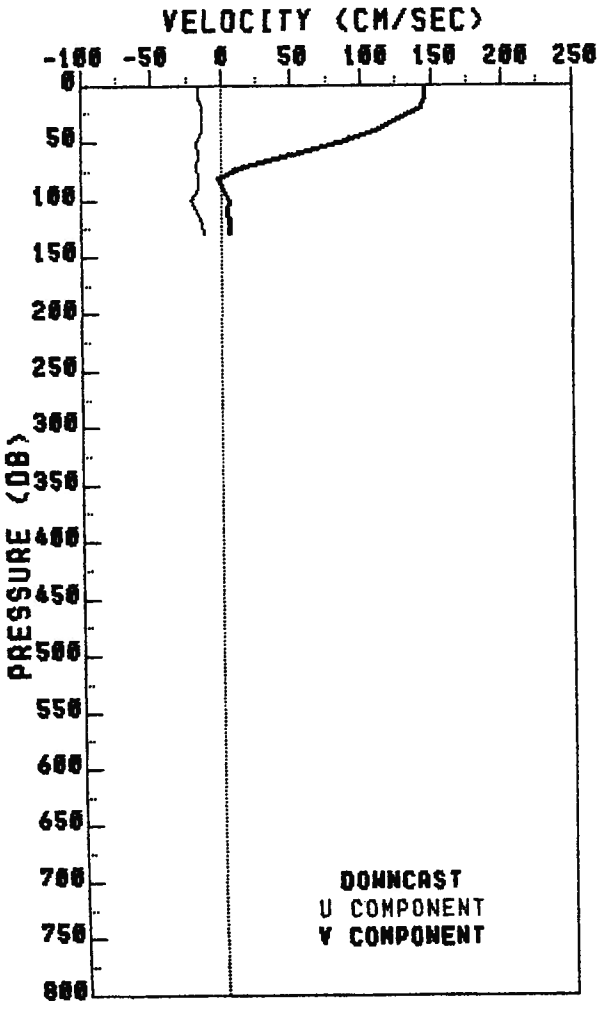


PRES	U	V
0	7.3	12.2
10	7.3	12.2
20	2.9	14.3
30	1.6	15.9
40	2.5	17.0
50	1.0	17.5
60	0.8	17.7
70	-1.1	16.9
80	-2.0	18.0
90	-0.6	20.0
100	-0.5	22.3
110	-4.1	26.9
120	-1.8	32.5
130	3.9	41.2
140	-8.4	44.8
150	-12.8	47.3
160	-9.3	50.9
170	-14.3	52.2
180	-17.6	51.9
190	-19.8	50.6
200	-14.9	51.3
220	-21.8	53.4
240	-9.9	50.5
260	1.3	48.2
280	0.4	43.1
300	-3.6	40.9
320	-4.8	38.5
340	-4.9	36.9
360	-4.4	35.7
380	-13.4	30.4
400	-21.7	26.5
420	-19.5	23.5
470	-7.2	26.0

VK-STACS6-83 PEGASUS 012 STN 0

R/V VIRGINIA KEY JDAY 108 TIME 1759Z

LATITUDE 27.00 N LONGITUDE 79.94 W



PRES	U	V
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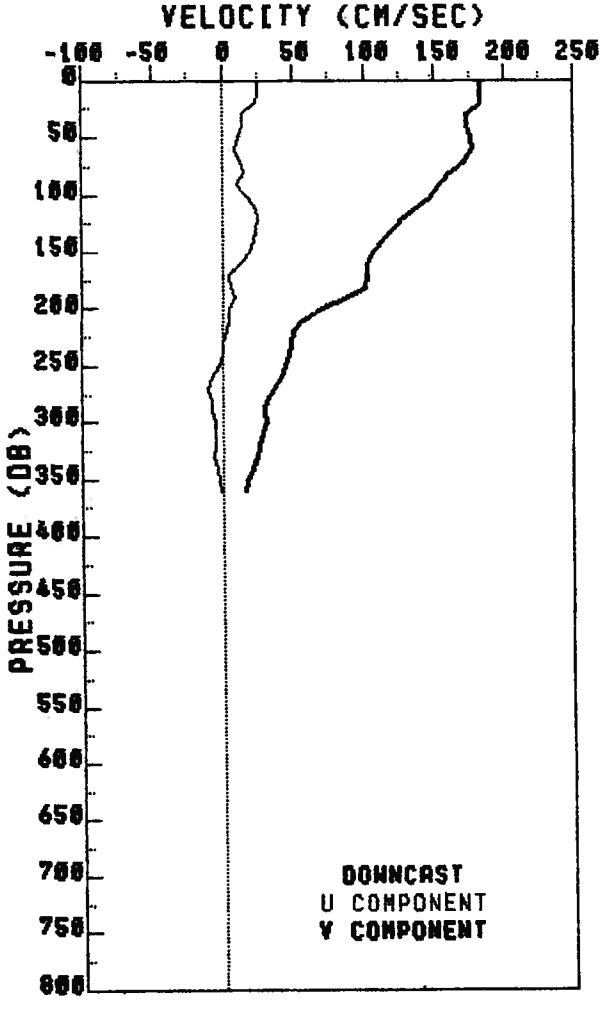
10	-16.4	147.1
20	-13.8	143.6
30	-13.1	127.8
40	-13.9	109.2
50	-17.2	84.5
60	-16.4	50.4
70	-17.3	17.0
80	-16.4	-0.7
90	-16.8	9.5
100	-21.8	7.6
110	-18.1	5.3
120	-12.9	6.4
130	-12.7	6.4

VK-STACS6-83 PEGASUS 014 STN 2

R/V VIRGINIA KEY JDAY 108 TIME 1414Z

LATITUDE 26.98 N LONGITUDE 79.79 W

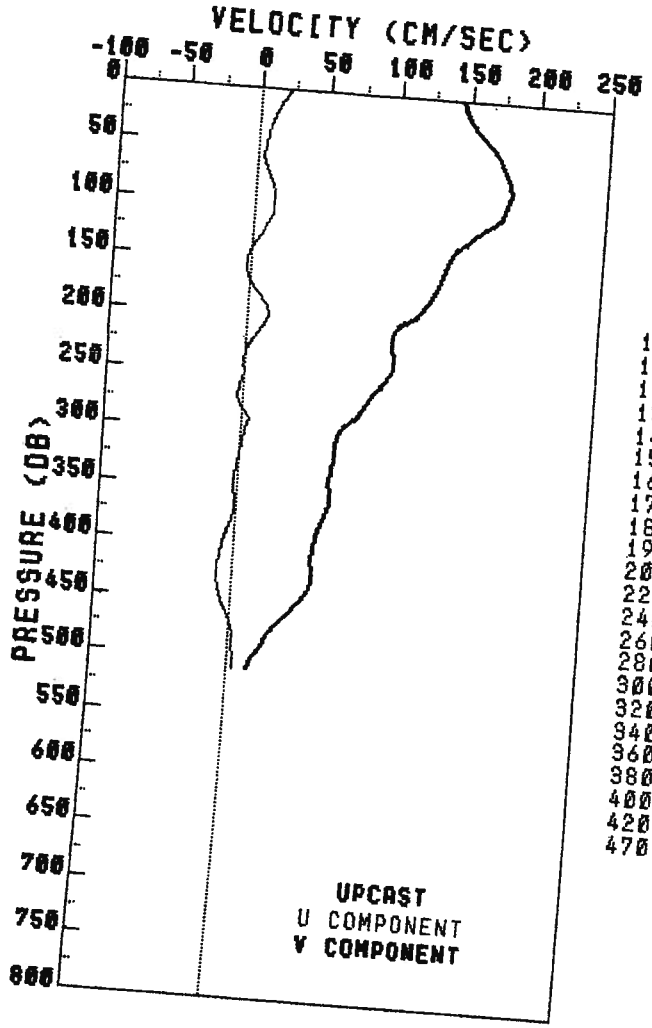


PRES	U	V
0	25.6	183.7
10	25.6	183.7
20	23.3	183.2
30	14.6	173.6
40	13.6	174.8
50	11.3	177.3
60	9.1	178.8
70	13.2	173.4
80	15.7	161.6
90	10.4	154.4
100	16.8	148.2
110	22.7	139.6
120	24.9	129.2
130	23.7	122.3
140	22.7	114.7
150	20.1	106.7
160	12.6	103.1
170	4.9	103.5
180	6.7	101.7
190	9.3	86.5
200	5.0	70.0
220	2.9	51.2
240	0.6	48.9
260	-7.7	43.6
280	-7.7	31.9
300	-5.5	31.6
320	-5.5	26.1
340	-3.9	22.0
360	-1.1	16.4

VK-STACS6-83 PEGASUS 015 STN 3

R/V VIRGINIA KEY JDAY 108 TIME 1538Z

LATITUDE 26.99 N LONGITUDE 79.69 W

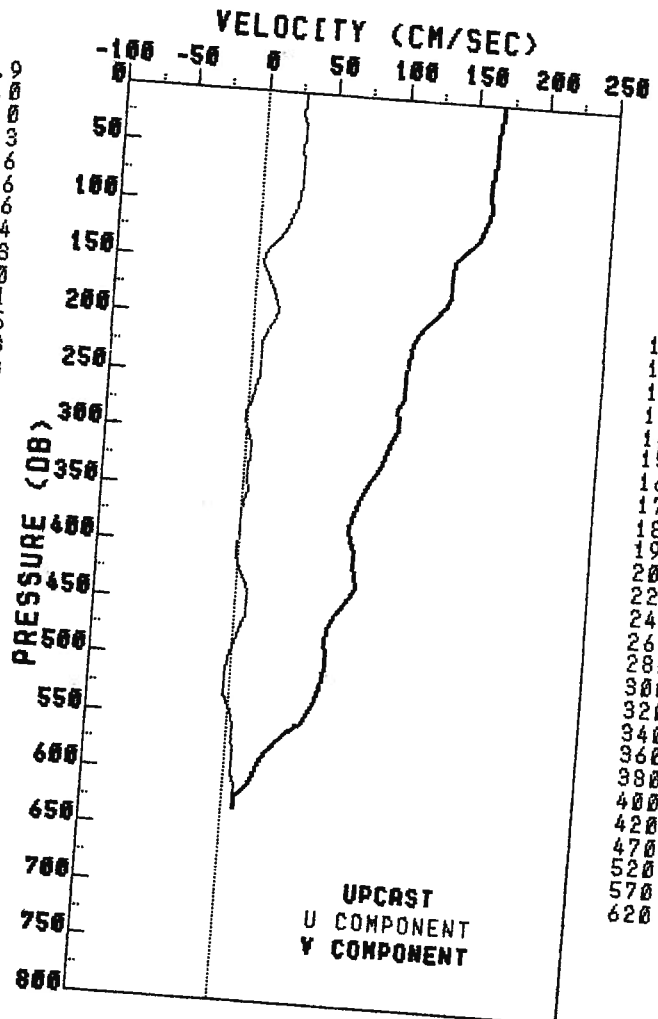


PRES	U	V
0	21.4	144.9
10	16.5	148.0
20	12.8	152.0
30	10.3	159.3
40	7.3	167.6
50	5.6	173.6
60	4.9	178.6
70	7.3	182.4
80	11.6	183.3
90	13.8	181.0
100	13.9	178.1
110	13.2	168.5
120	10.1	156.8
130	5.2	148.3
140	0.0	142.9
150	-3.0	139.9
160	-2.9	136.6
170	0.6	132.2
180	7.6	128.1
190	13.3	121.7
200	15.3	111.6
220	5.1	106.2
240	-0.9	106.9
260	-2.1	94.5
280	0.9	84.0
300	3.6	69.6
320	-0.1	68.4
340	-2.6	66.4
360	-1.5	66.7
380	-3.1	61.4
400	-8.1	58.1
420	-10.4	57.1
470	0.6	34.7

VK-STACS6-83 PEGASUS 016 STN 4

R/V VIRGINIA KEY JDAY 108 TIME 1703Z

LATITUDE 26.98 N LONGITUDE 79.61 W

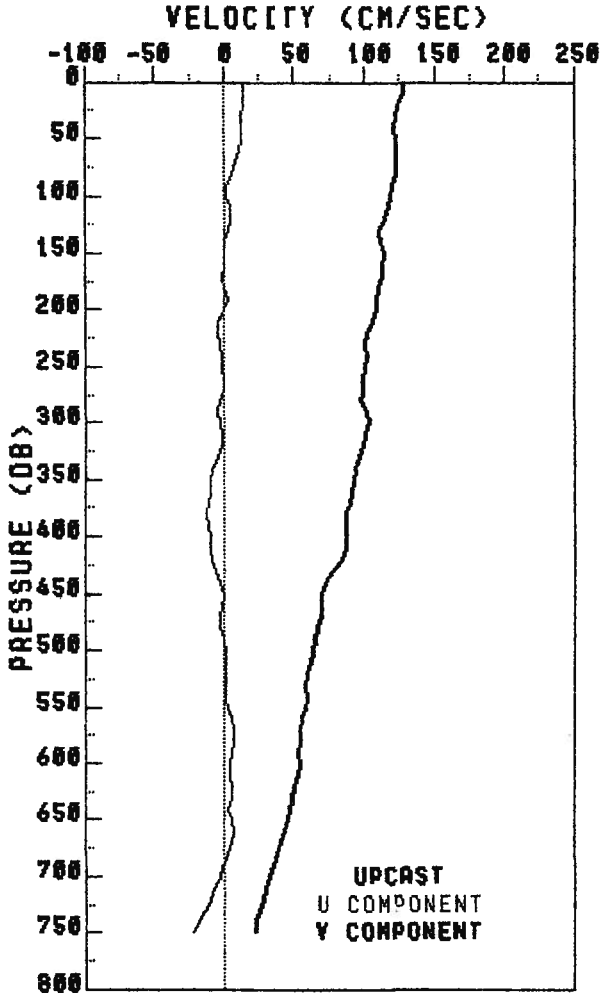


PRES	U	V
0	27.4	168.9
10	27.4	168.9
20	26.4	167.3
30	28.6	165.9
40	28.6	166.1
50	28.1	165.9
60	28.8	164.0
70	29.6	162.8
80	29.3	163.8
90	28.3	164.6
100	26.6	162.6
110	24.4	160.5
120	20.7	158.1
130	15.0	149.8
140	7.6	141.0
150	4.3	139.8
160	8.6	140.2
170	13.0	139.6
180	15.2	136.4
190	18.5	129.4
200	16.6	122.4
220	7.7	113.8
240	7.7	111.0
260	4.7	111.0
280	-0.5	107.9
300	2.3	105.0
320	4.5	98.8
340	3.3	89.9
360	2.1	82.5
380	0.6	78.0
400	-1.3	82.1
420	1.6	84.3
470	6.2	67.7
520	-3.5	64.5
570	5.1	37.7
620	9.3	10.0

VK-STACS6-83 PEGASUS 017 STN 5

R/V VIRGINIA KEY JDAY 108 TIME 1902Z

LATITUDE 26.99 N LONGITUDE 79.50 W

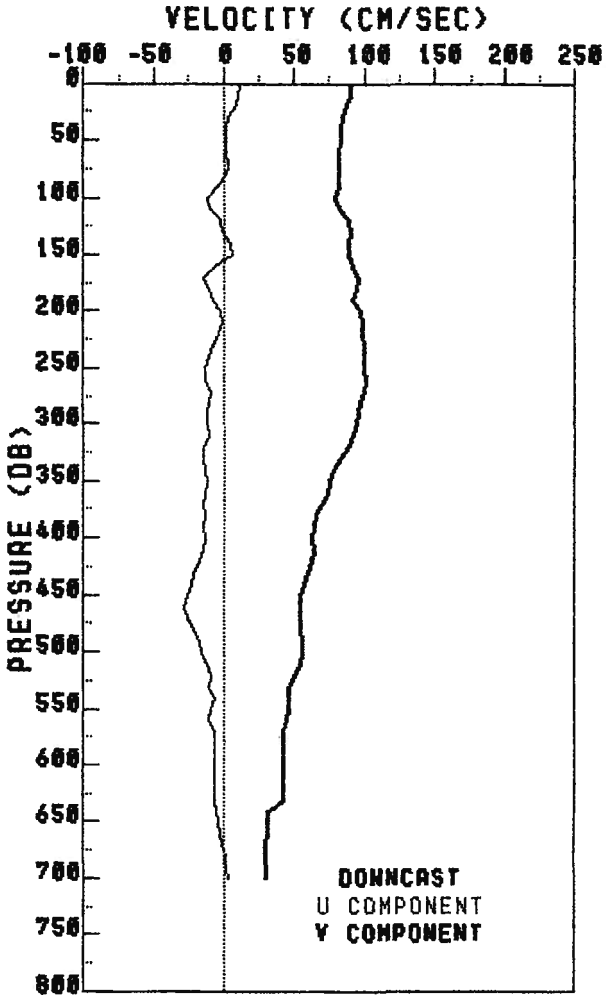


PRES	U	V
0	13.3	129.1
10	13.3	129.1
20	14.0	124.7
30	12.5	123.3
40	12.7	122.1
50	12.3	123.4
60	11.0	123.6
70	8.9	123.3
80	5.0	122.7
90	1.5	120.3
100	1.9	119.0
110	4.0	117.9
120	4.6	114.9
130	2.9	110.9
140	0.8	112.1
150	0.5	115.0
160	-0.4	114.0
170	-1.4	113.3
180	0.4	111.1
190	2.5	109.7
200	0.2	109.5
220	-3.8	102.8
240	-1.6	103.0
260	0.1	100.3
280	-2.6	99.3
300	-3.0	103.6
320	-1.6	100.0
340	-7.4	95.1
360	-9.8	92.5
380	-12.5	87.9
400	-9.4	87.7
420	-7.8	84.4
470	-2.9	69.4
520	1.9	61.0
570	6.6	55.3
620	5.7	51.4
670	6.0	41.2
720	-9.9	28.3

VK-STACS6-83 PEGASUS 018 STN 6

R/V VIRGINIA KEY JDAY 108 TIME 2058Z

LATITUDE 27.00 N LONGITUDE 79.40 W

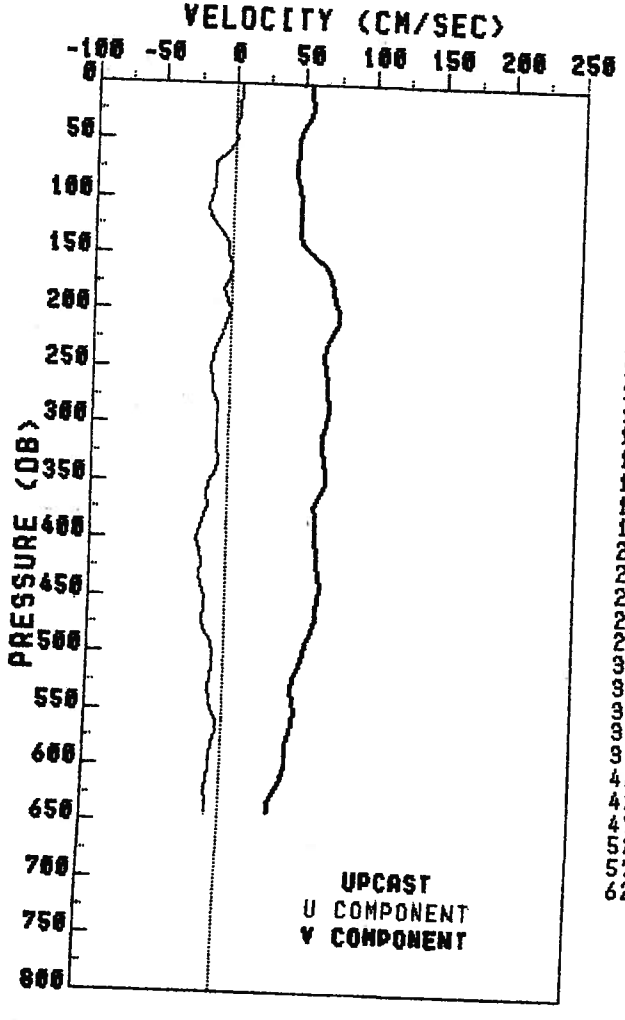


PRES	U	V
0	11.0	90.6
10	10.3	90.1
20	8.3	88.0
30	3.8	85.2
40	1.4	84.3
50	1.9	84.2
60	2.1	83.2
70	2.9	82.6
80	1.2	82.7
90	-5.1	82.4
100	-11.9	79.3
110	-10.6	82.5
120	-2.5	89.5
130	-1.5	91.2
140	4.3	89.7
150	5.9	90.0
160	-6.0	92.4
170	-14.2	95.9
180	-10.2	95.0
190	-7.6	92.2
200	-2.2	98.1
220	-4.0	98.8
240	-10.1	100.4
260	-13.4	101.2
280	-9.8	97.6
300	-11.1	95.1
320	-15.2	88.8
340	-12.9	79.1
360	-12.5	74.0
380	-13.6	66.8
400	-13.0	64.0
420	-17.5	63.7
470	-25.6	55.3
520	-9.1	51.4
570	-6.5	43.3
620	-6.5	43.3
670	-0.7	31.0

VK-STACS6-83 PEGASUS 019 STN 7

R/V VIRGINIA KEY JDAY 108 TIME 2305Z

LATITUDE 26.99 N LONGITUDE 79.29 W

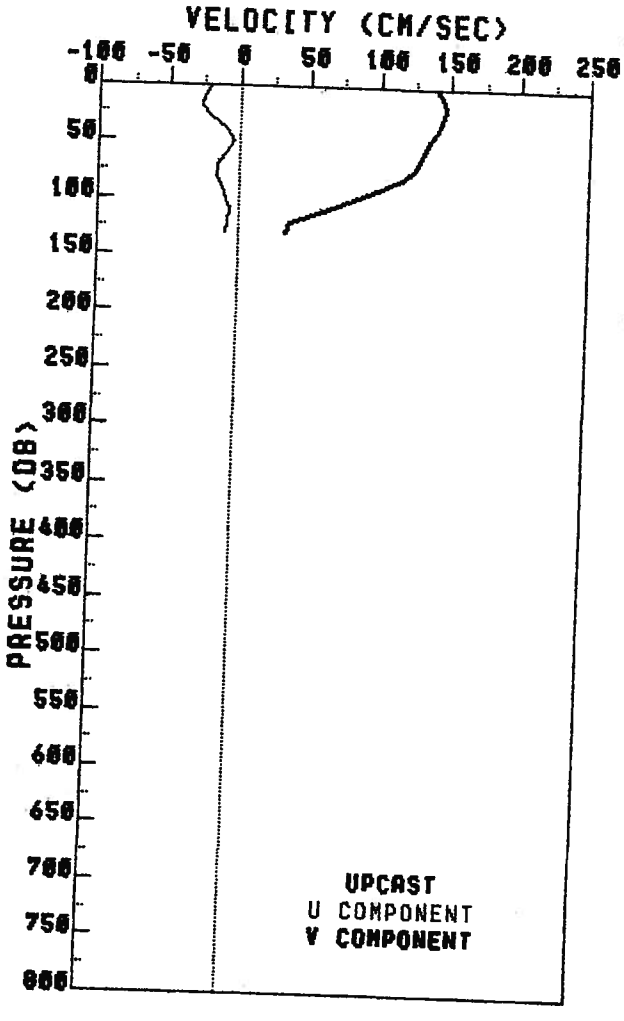


PRES	U	V
0	3.7	55.6
10	3.7	55.6
20	3.4	55.7
30	2.4	54.3
40	0.6	48.9
50	1.6	46.1
60	-4.5	46.5
70	-13.7	46.0
80	-14.0	45.9
90	-12.9	48.2
100	-16.8	50.1
110	-17.6	49.1
120	-14.7	49.3
130	-8.1	49.4
140	-2.0	50.5
150	-2.2	58.5
160	-0.4	68.2
170	-0.9	72.6
180	-5.8	73.7
190	-2.8	75.9
200	0.7	78.6
220	-5.2	79.8
240	-12.2	68.3
260	-12.6	71.7
280	-8.3	72.3
300	-7.5	71.9
320	-8.5	68.1
340	-7.9	71.7
360	-14.2	66.9
380	-16.3	64.5
400	-21.5	64.7
420	-17.5	66.2
470	-16.4	66.0
520	-9.0	51.3
570	-4.1	49.0
620	-10.3	40.4

VK-STACS6-83 PEGASUS 020 STN 0

R/V VIRGINIA KEY JDAY 109 TIME 1514Z

LATITUDE 26.99 N LONGITUDE 79.93 W

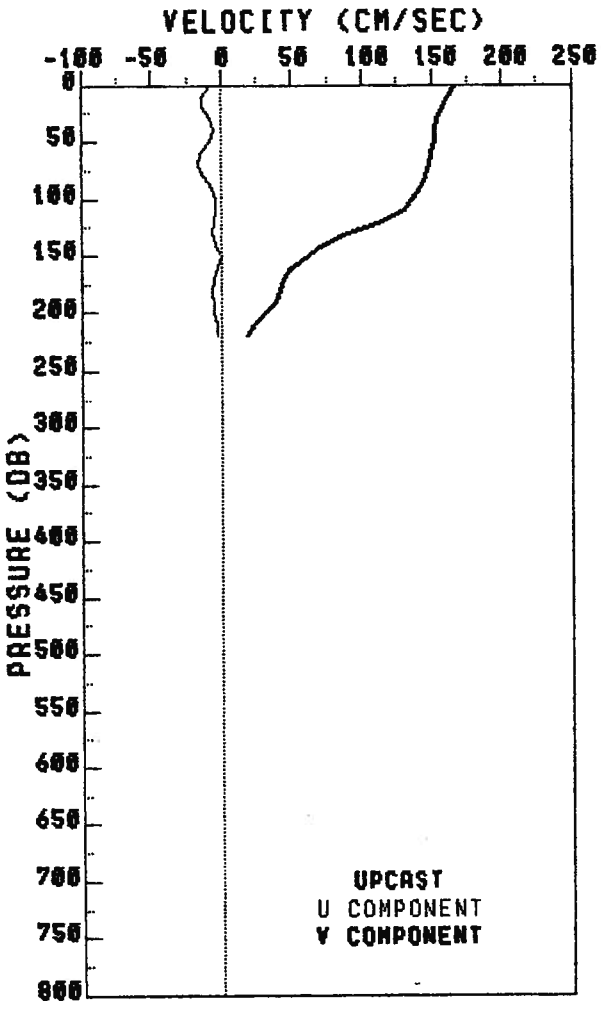


PRES	U	V
0	-20.9	139.5
10	-26.0	145.2
20	-26.7	147.4
30	-20.4	144.1
40	-9.7	140.2
50	-4.2	135.1
60	-8.8	130.3
70	-16.1	126.8
80	-16.1	117.1
90	-11.8	98.7
100	-8.7	78.3
110	-6.0	60.2
120	-8.0	37.1
130	-8.4	34.4

VK-STACS6-83 PEGASUS 021 STN 1

R/V VIRGINIA KEY JDAY 109 TIME 1612Z

LATITUDE 27.00 N LONGITUDE 79.88 W

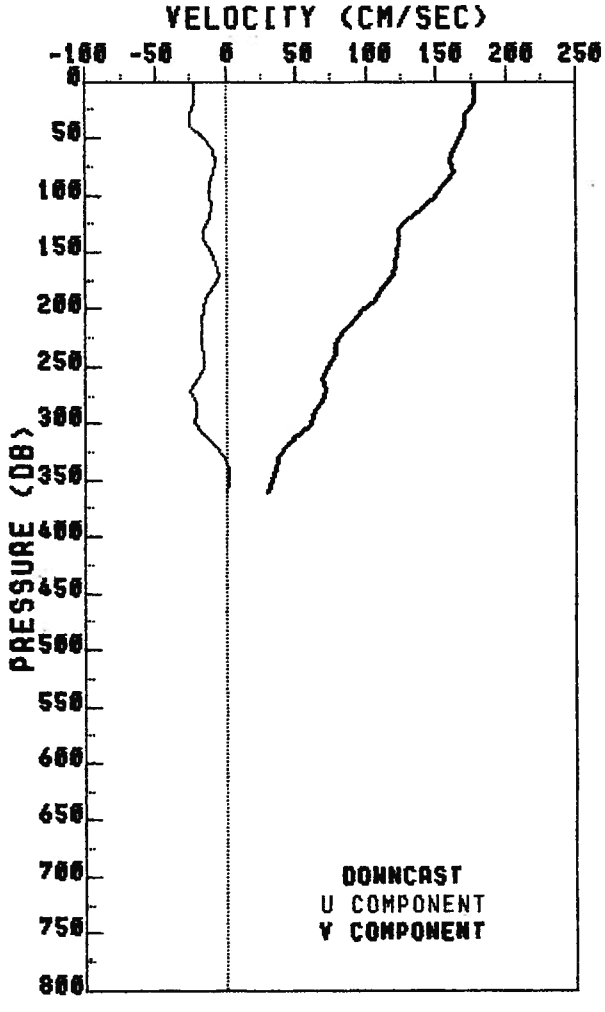


PRES	U	V
0	-8.1	166.9
10	-13.4	163.4
20	-13.1	159.0
30	-7.9	154.4
40	-4.7	153.6
50	-8.2	153.0
60	-14.7	150.7
70	-16.6	149.5
80	-12.6	147.0
90	-6.2	142.2
100	-3.2	136.9
110	-4.5	131.1
120	-5.1	115.6
130	-6.2	90.1
140	-3.5	79.1
150	0.5	61.6
160	-2.1	51.2
170	-5.7	45.8
180	-6.6	42.3
190	-5.3	39.5
200	-4.9	33.6
220	-2.0	19.1

VK-STACS6-83 PEGASUS 022 STN 2

R/V VIRGINIA KEY JDAY 109 TIME 1736Z

LATITUDE 26.98 N LONGITUDE 79.79 W

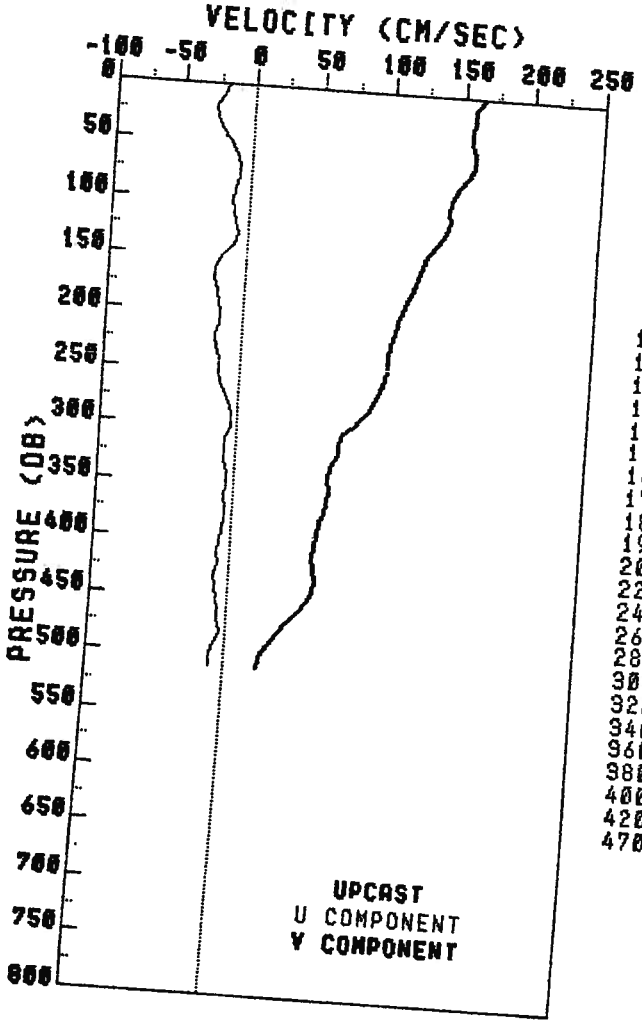


PRES	U	V
0	-22.2	178.1
10	-22.2	178.1
20	-22.5	178.0
30	-25.6	171.8
40	-25.4	170.9
50	-15.9	166.9
60	-8.6	162.8
70	-7.2	160.4
80	-9.0	163.3
90	-11.2	156.5
100	-11.3	149.8
110	-10.3	141.3
120	-11.8	131.2
130	-15.6	123.0
140	-15.6	123.4
150	-10.9	121.9
160	-7.9	121.1
170	-5.5	119.9
180	-8.6	112.7
190	-15.1	107.1
200	-15.3	99.5
220	-17.3	83.4
240	-15.7	77.9
260	-20.3	69.2
280	-20.9	68.7
300	-23.0	60.1
320	-8.0	44.5
340	1.5	35.8
360	1.1	30.0

VK-STACS6-83 PEGASUS 023 STN 3

R/V VIRGINIA KEY JDAY 109 TIME 1909Z

LATITUDE 26.99 N LONGITUDE 79.74 W

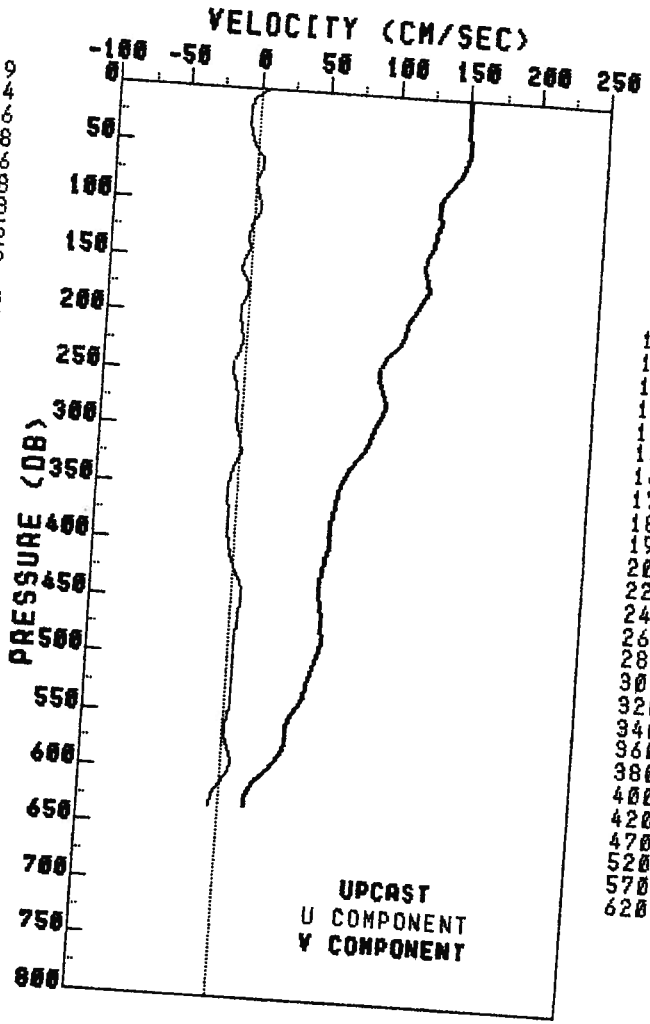


PRES	U	V
0	-19.6	165.9
10	-21.6	159.4
20	-26.8	158.6
30	-25.6	157.8
40	-21.4	157.6
50	-15.4	160.8
60	-11.2	160.3
70	-8.3	155.5
80	-7.7	149.5
90	-10.1	145.1
100	-12.0	144.3
110	-11.0	144.7
120	-9.2	142.4
130	-6.6	136.3
140	-8.8	130.2
150	-18.1	127.1
160	-22.3	125.0
170	-21.2	121.5
180	-19.1	117.5
190	-16.9	114.9
200	-15.8	112.9
220	-19.0	108.1
240	-15.2	106.3
260	-13.7	102.7
280	-5.2	94.3
300	-4.5	78.5
320	-8.5	75.0
340	-5.8	68.6
360	-6.2	68.2
380	-4.8	64.4
400	-8.2	61.3
420	-8.3	62.0
470	-6.3	44.1

VK-STACS6-83 PEGASUS 024 STN 4

R/V VIRGINIA KEY JDAY 109 TIME 2114Z

LATITUDE 26.98 N LONGITUDE 79.61 W

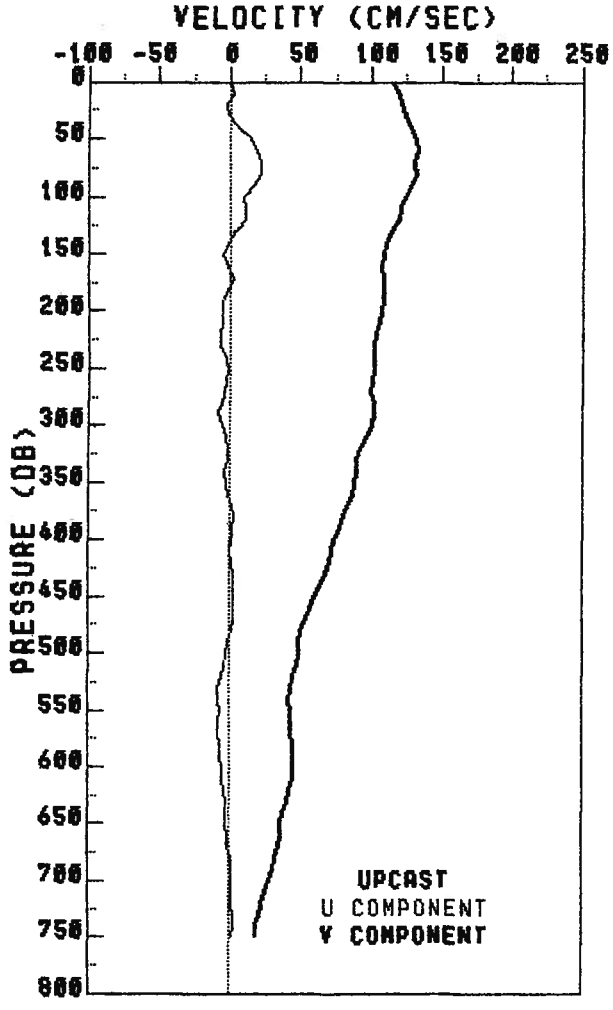


PRES	U	V
0	5.4	150.3
10	-4.8	151.5
20	-6.8	150.5
30	-6.0	150.8
40	-4.9	151.6
50	-2.1	151.7
60	4.8	149.8
70	4.9	144.8
80	0.4	138.5
90	1.4	133.7
100	4.0	133.3
110	4.1	133.8
120	-0.3	132.3
130	-2.3	129.9
140	-1.3	127.0
150	-4.6	125.2
160	-6.5	128.3
170	-1.3	128.8
180	-0.9	123.9
190	-4.9	118.8
200	-4.8	115.6
220	-1.8	109.5
240	-7.1	97.5
260	-4.6	100.7
280	-3.2	101.1
300	-1.8	94.7
320	1.3	86.6
340	-5.2	75.4
360	-5.9	71.0
380	-5.3	69.0
400	-4.0	68.8
420	1.2	64.3
470	5.4	66.7
520	4.5	58.1
570	1.4	45.7
620	-5.5	19.3

VK-STACS6-83 PEGASUS 025 STN 5

R/V VIRGINIA KEY JDAY 109 TIME 2309Z

LATITUDE 26.99 N LONGITUDE 79.50 W

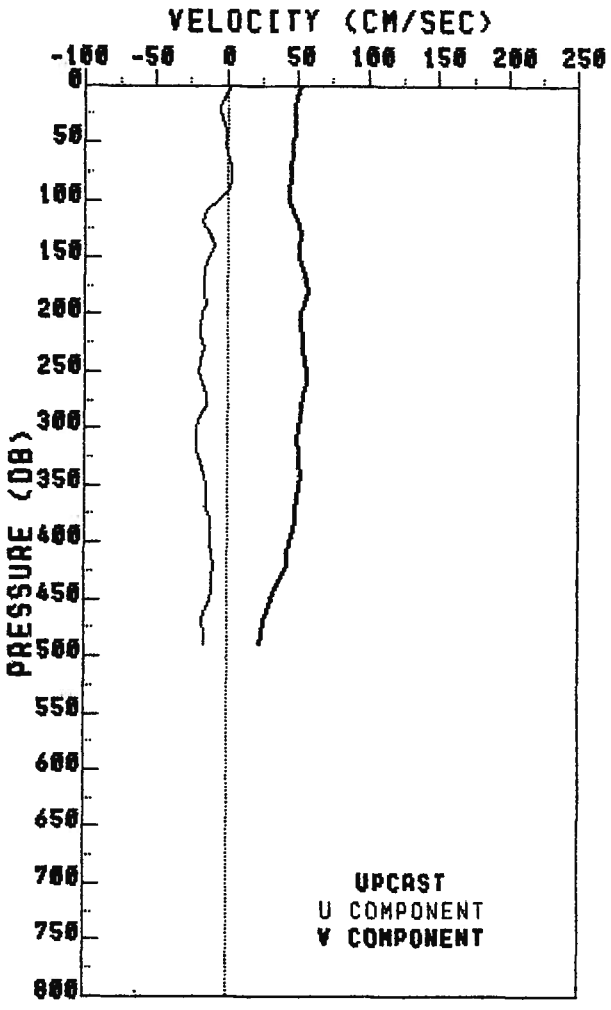


PRES	U	V
0	0.5	116.3
10	2.5	120.3
20	-1.9	122.5
30	-1.6	125.0
40	6.4	128.3
50	14.7	133.4
60	18.7	133.6
70	21.6	131.4
80	22.0	132.3
90	16.0	129.3
100	9.3	124.9
110	11.9	122.2
120	11.4	120.6
130	9.8	114.7
140	-1.4	110.8
150	-4.6	109.7
160	-1.1	108.5
170	2.5	110.0
180	-1.5	109.8
190	-5.2	109.3
200	-5.8	108.6
220	-6.1	104.3
240	-2.5	102.2
260	-3.1	101.2
280	-5.9	102.5
300	-5.3	101.5
320	-0.6	92.7
340	-3.3	90.0
360	-0.5	87.9
380	2.8	81.1
400	1.0	74.1
420	1.6	71.1
470	2.4	54.6
520	-5.3	46.0
570	-7.3	44.4
620	-9.9	42.8
670	-0.9	35.8
720	1.4	23.5

VK-STACS6-83 PEGASUS 029 STN 8

R/V VIRGINIA KEY JDAY 110 TIME 1848Z

LATITUDE 27.00 N LONGITUDE 79.20 W

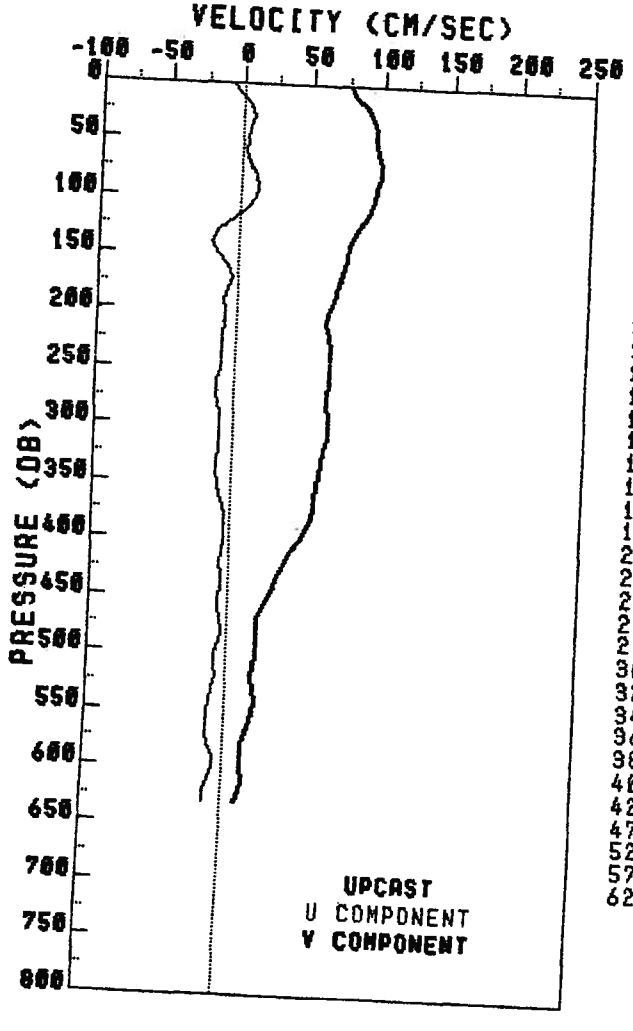


PRES	U	V
0	3.5	52.8
10	-2.2	49.8
20	-4.9	48.8
30	-3.7	48.2
40	-1.0	48.5
50	-0.3	47.4
60	1.1	46.4
70	3.1	45.4
80	3.8	45.5
90	1.4	44.5
100	-5.9	44.5
110	-13.9	47.4
120	-16.6	51.2
130	-12.3	52.9
140	-9.5	51.7
150	-12.7	50.7
160	-15.7	54.5
170	-16.1	57.2
180	-16.3	57.6
190	-14.9	55.5
200	-16.6	53.0
220	-18.0	53.3
240	-18.9	55.4
260	-17.4	56.4
280	-14.3	52.6
300	-20.8	51.4
320	-20.9	50.6
340	-16.3	52.3
360	-14.3	50.4
380	-12.3	47.8
400	-11.5	44.4
420	-9.4	42.5
470	-17.3	26.6

VK-STACS6-83 PEGASUS 030 STN 7

R/V VIRGINIA KEY JDAY 110 TIME 2020Z

LATITUDE 27.00 N LONGITUDE 79.30 W

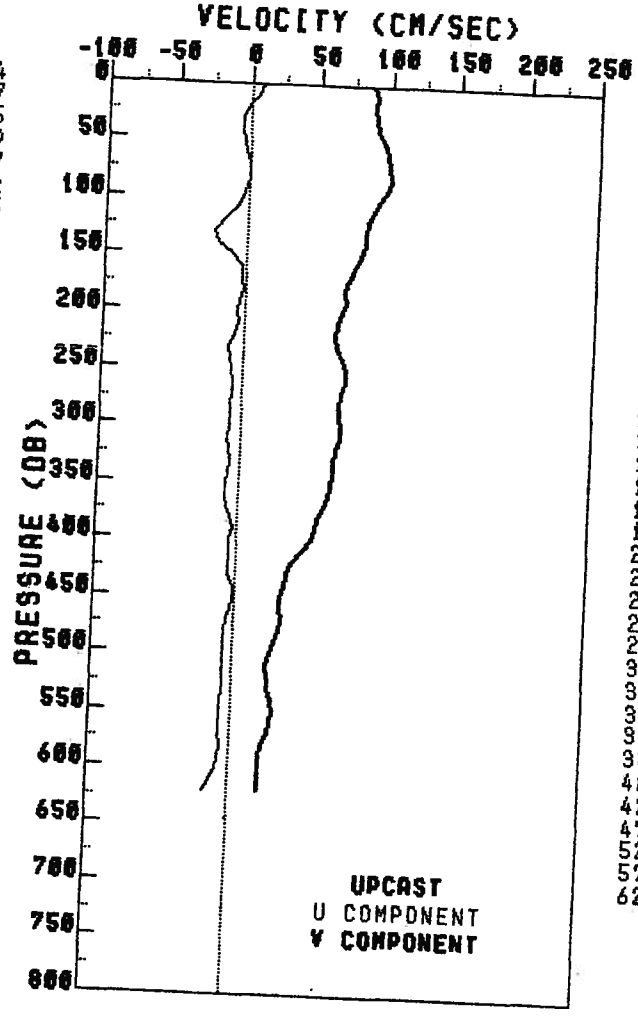


PRES	U	V
0	-8.4	76.4
10	-0.7	80.7
20	6.1	89.5
30	7.9	93.9
40	5.5	95.7
50	4.3	96.2
60	3.1	97.5
70	5.3	99.8
80	11.1	100.5
90	12.6	97.5
100	11.3	95.8
110	6.0	93.3
120	-3.4	88.5
130	-14.5	84.0
140	-19.6	79.8
150	-13.0	78.1
160	-6.4	76.4
170	-4.4	73.7
180	-6.0	71.1
190	-8.8	69.3
200	-8.6	66.4
220	-9.1	66.6
240	-8.8	68.4
260	-12.1	68.5
280	-10.6	67.4
300	-9.0	68.2
320	-10.0	66.4
340	-10.4	62.9
360	-8.4	61.1
380	-3.5	58.8
400	-3.4	50.8
420	-6.7	40.0
470	-5.0	22.7
520	-7.2	19.9
570	-12.4	16.3
620	-12.7	13.6

VK-STACS6-83 PEGASUS 031 STN 7

R/V VIRGINIA KEY JDAY 110 TIME 2235Z

LATITUDE 27.00 N LONGITUDE 79.29 W

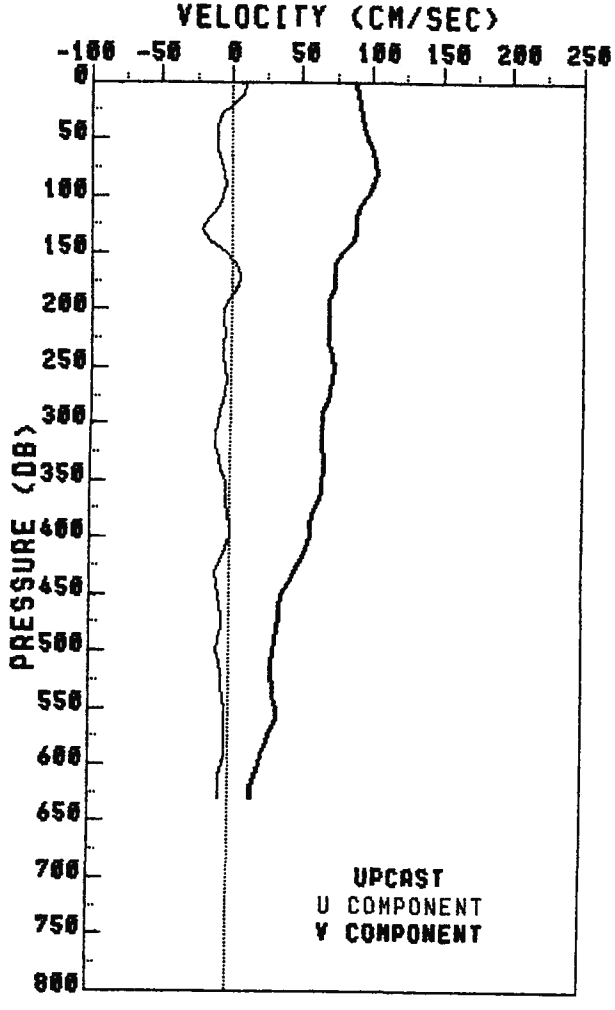


PRES	U	V
0	8.2	87.4
10	6.3	90.7
20	-1.2	90.1
30	-5.3	90.2
40	-5.0	91.6
50	-3.5	95.9
60	-2.0	99.6
70	0.9	100.9
80	0.8	101.9
90	-1.0	99.7
100	-3.6	95.3
110	-8.2	90.9
120	-16.1	86.5
130	-22.1	85.7
140	-20.3	85.5
150	-9.4	82.3
160	-2.8	77.9
170	-2.0	73.7
180	-1.5	72.3
190	-4.2	72.5
200	-4.6	70.3
220	-6.6	66.5
240	-9.6	71.4
260	-6.9	73.9
280	-7.8	70.8
300	-8.4	71.2
320	-7.7	69.2
340	-7.7	67.2
360	-8.8	64.2
380	-4.8	58.6
400	-4.3	53.9
420	-4.9	40.4
470	-4.3	34.3
520	-5.7	26.0
570	-7.0	27.3
620	-17.8	22.0

VK-STACS6-83 PEGASUS 032 STN 7

R/V VIRGINIA KEY JDAY 111 TIME 0040Z

LATITUDE 27.00 N LONGITUDE 79.30 W

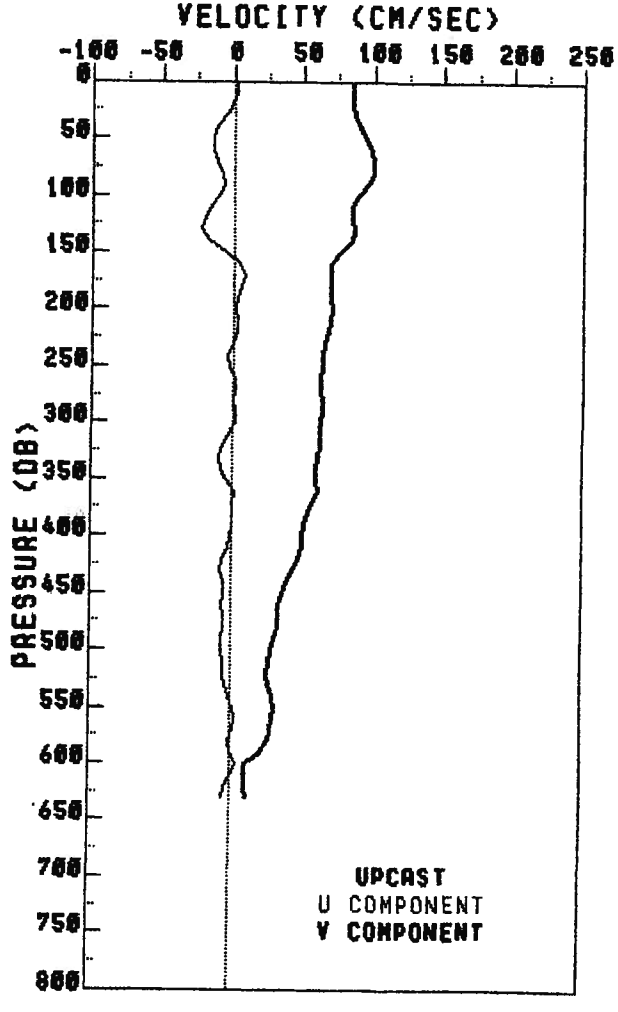


PRES	U	V
0	10.4	88.8
10	8.6	90.5
20	1.6	91.9
30	-8.1	92.8
40	-11.3	94.7
50	-10.4	97.7
60	-10.5	101.4
70	-7.8	102.8
80	-4.7	103.7
90	-4.5	101.5
100	-6.3	96.6
110	-8.9	92.3
120	-16.5	88.8
130	-21.3	88.5
140	-15.8	87.2
150	-4.2	80.1
160	3.5	74.6
170	6.3	74.1
180	4.4	73.4
190	-1.5	70.4
200	-5.2	69.8
220	-3.4	69.5
240	-5.0	72.4
260	-2.4	73.1
280	-5.4	69.4
300	-9.1	65.8
320	-11.0	66.5
340	-6.2	66.8
360	-1.9	66.3
380	-0.5	59.1
400	-0.2	57.2
420	-7.3	51.3
470	-5.3	35.4
520	-5.6	30.2
570	-3.1	30.7
620	-7.1	16.9

VK-STACS6-83 PEGASUS 033 STN 7

R/V VIRGINIA KEY JDAY 111 TIME 0238Z

LATITUDE 27.00 N LONGITUDE 79.30 W

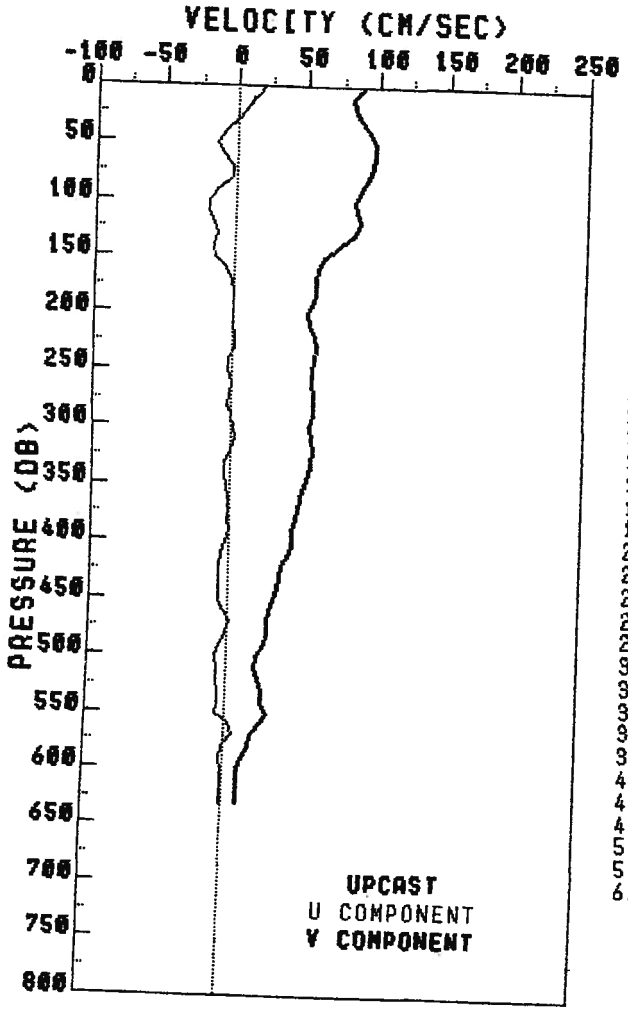


PRES	U	V
0	1.5	85.7
10	1.5	85.7
20	-0.4	85.6
30	-5.4	86.5
40	-11.7	90.3
50	-14.5	95.0
60	-14.6	98.7
70	-12.2	100.9
80	-8.0	100.8
90	-6.3	95.6
100	-9.8	89.9
110	-15.4	85.7
120	-20.1	85.4
130	-22.5	87.2
140	-17.0	85.5
150	-5.9	76.8
160	4.9	70.4
170	9.0	70.3
180	6.7	69.8
190	3.5	69.6
200	1.7	71.1
220	3.5	68.6
240	-3.8	64.5
260	1.7	63.4
280	1.1	64.7
300	2.3	63.8
320	-6.0	63.7
340	-7.8	60.7
360	1.8	61.8
380	0.4	55.3
400	-0.5	50.7
420	-6.2	48.6
470	-5.3	34.7
520	-4.9	27.1
570	2.6	28.8
620	-3.8	11.9

VK-STACS6-83 PEGASUS 034 STN 7

R/V VIRGINIA KEY JDAY 111 TIME 0434Z

LATITUDE 27.00 N LONGITUDE 79.30 W

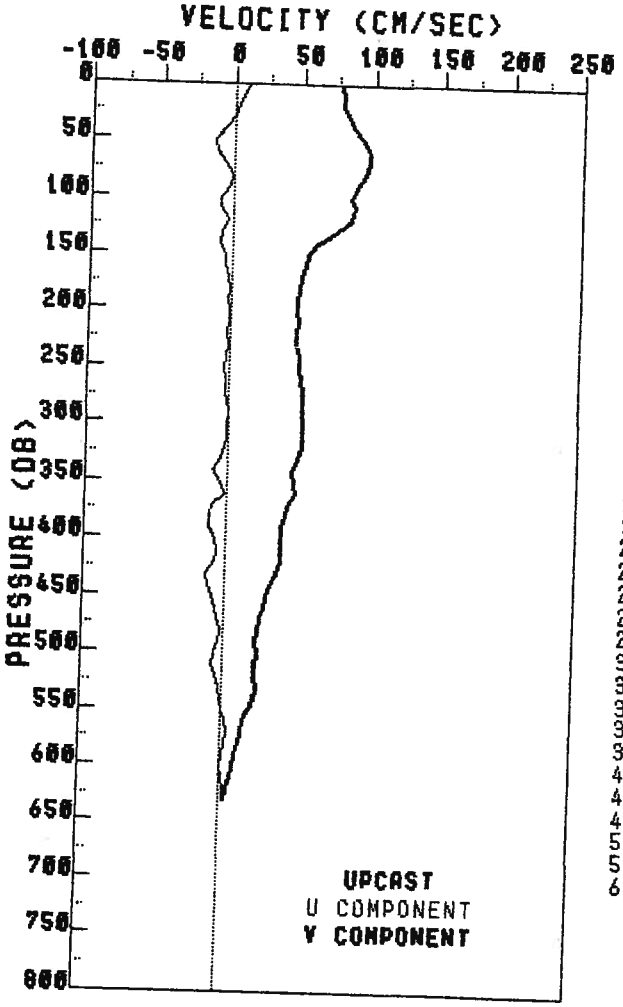


PRES	U	V
0	19.5	90.3
10	13.1	82.4
20	7.1	83.0
30	1.3	87.4
40	-8.4	94.1
50	-13.9	98.9
60	-9.8	98.7
70	-2.9	96.9
80	-2.8	94.3
90	-12.3	88.9
100	-19.3	85.5
110	-19.3	86.2
120	-14.2	88.9
130	-11.6	85.6
140	-15.2	74.0
150	-12.8	64.8
160	-5.6	59.9
170	-1.3	58.5
180	0.2	58.8
190	0.6	57.0
200	0.3	54.1
220	1.9	58.6
240	-2.2	59.7
260	-0.1	57.5
280	-2.0	59.2
300	1.9	56.9
320	0.8	58.4
340	-4.3	56.4
360	-1.2	51.3
380	-1.6	47.7
400	-2.8	45.6
420	-7.0	39.1
470	1.2	29.1
520	-6.9	23.4
570	6.2	18.8
620	-1.8	11.1

VK-STACS6-83 PEGASUS 035 STN 7

R/V VIRGINIA KEY JDAY 111 TIME 0632Z

LATITUDE 27.00 N LONGITUDE 79.30 W

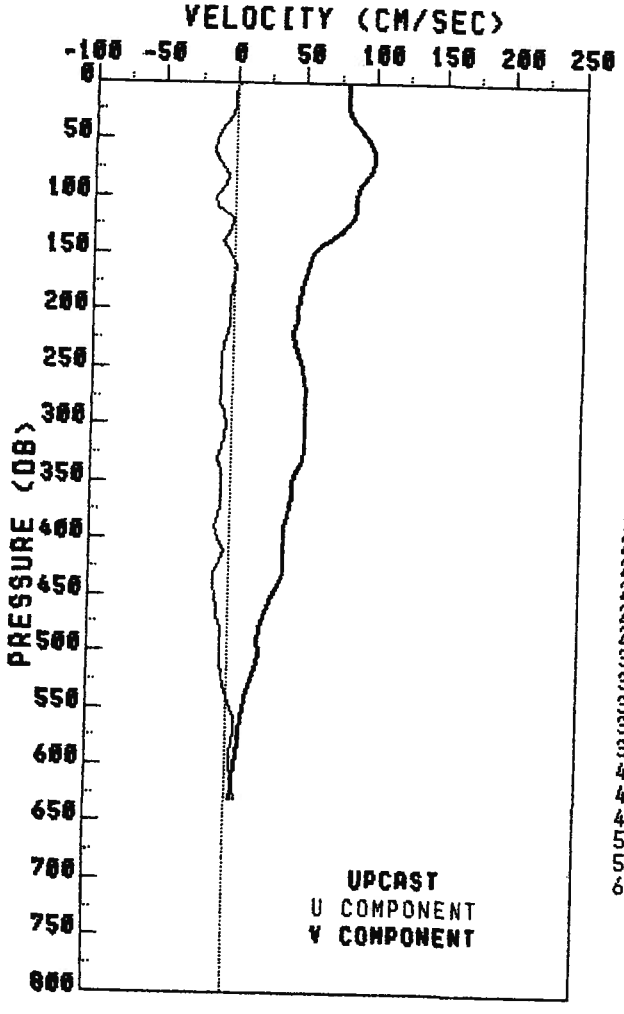


PRES	U	V
0	10.3	76.4
10	5.5	78.3
20	3.6	79.0
30	0.9	82.3
40	-6.6	87.1
50	-12.9	93.3
60	-12.1	97.0
70	-5.7	97.8
80	-0.8	95.5
90	-2.5	89.0
100	-9.0	86.0
110	-9.5	87.5
120	-3.7	85.0
130	-7.1	74.9
140	-9.0	61.9
150	-5.2	55.4
160	-4.7	53.6
170	-1.6	51.0
180	-0.5	49.5
190	-2.3	48.8
200	-1.1	48.9
220	-1.6	48.2
240	-1.9	51.1
260	-2.0	52.5
280	-1.3	53.3
300	-1.1	53.6
320	-2.0	53.2
340	-9.9	47.3
360	-1.2	49.3
380	-11.5	43.2
400	-8.1	40.1
420	-8.3	39.9
470	-4.5	26.2
520	-4.9	23.9
570	4.2	15.4
620	3.4	5.6

VK-STACS6-83 PEGASUS 036 STN 7

R/V VIRGINIA KEY JDAY 111 TIME 0830Z

LATITUDE 27.00 N LONGITUDE 79.30 W

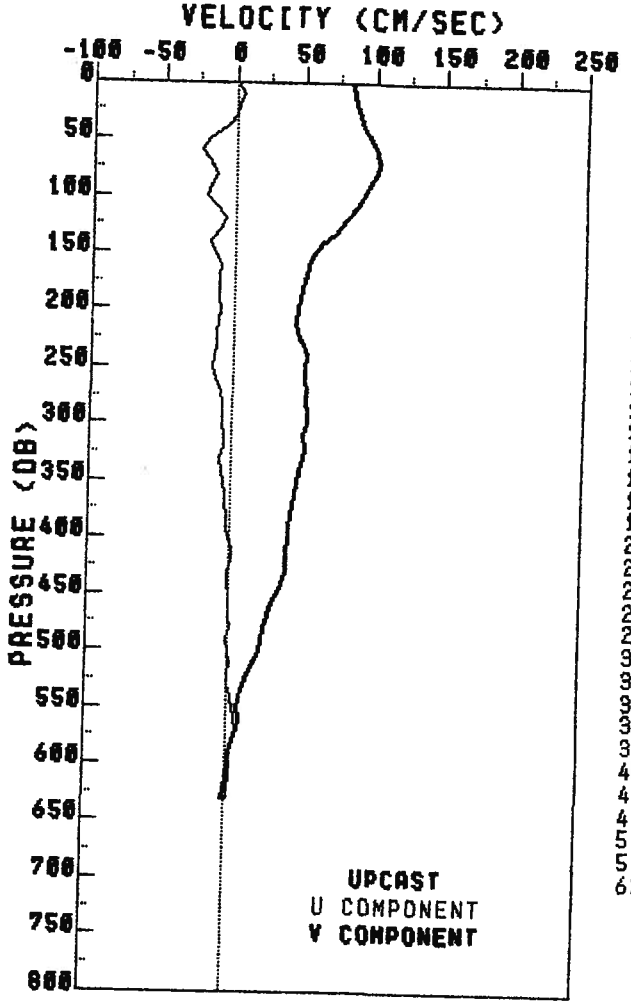


PRES	U	V
0	1.9	80.5
10	-1.2	80.6
20	-1.2	80.3
30	-3.1	82.8
40	-8.8	89.0
50	-13.7	95.9
60	-14.3	99.8
70	-10.5	100.7
80	-5.1	97.2
90	-6.2	90.8
100	-13.8	87.9
110	-12.6	88.2
120	-1.6	87.0
130	-3.2	78.5
140	-7.4	65.4
150	-1.8	57.0
160	2.2	54.3
170	-0.3	51.7
180	-1.4	49.5
190	-2.0	47.9
200	-2.2	47.3
220	-4.5	44.3
240	-7.8	48.3
260	-8.1	51.8
280	-7.4	53.2
300	-4.3	53.8
320	-6.8	53.7
340	-7.2	48.4
360	-6.4	45.3
380	-7.8	43.0
400	-7.5	39.4
420	-7.2	39.5
470	-7.9	25.9
520	-3.7	20.0
570	5.4	10.4
620	6.3	5.4

VK-STACS6-83 PEGASUS 037 STN 7

R/V VIRGINIA KEY JDAY 111 TIME 1035Z

LATITUDE 27.00 N LONGITUDE 79.30 W

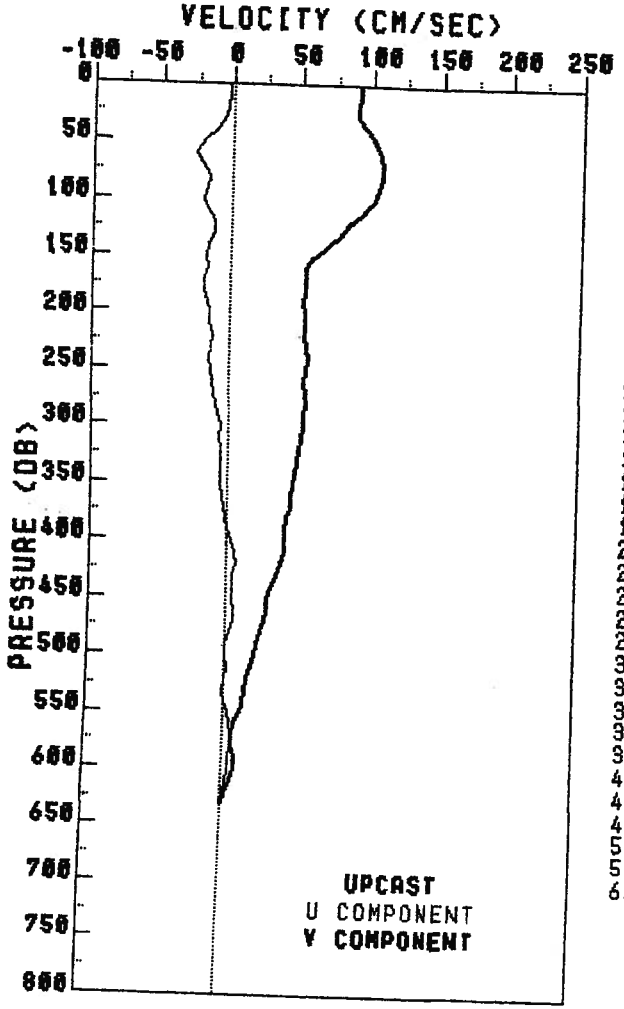


PRES	U	V
0	0.1	83.8
10	5.8	84.8
20	1.4	86.1
30	1.2	89.9
40	-5.8	92.1
50	-18.9	97.3
60	-24.0	101.8
70	-17.8	102.9
80	-13.5	101.7
90	-17.7	96.7
100	-20.5	92.1
110	-13.7	87.5
120	-6.2	81.8
130	-10.7	74.7
140	-16.9	65.3
150	-12.8	57.6
160	-9.0	54.4
170	-10.0	52.3
180	-10.8	49.2
190	-10.3	48.3
200	-9.2	47.3
220	-11.9	47.2
240	-13.6	53.4
260	-12.1	53.1
280	-6.5	53.9
300	-6.6	55.1
320	-5.1	53.2
340	-7.0	50.3
360	-4.1	47.0
380	-2.3	43.9
400	-0.2	42.6
420	1.5	42.2
470	1.0	28.6
520	1.0	16.0
570	7.5	8.4
620	2.5	0.4

VK-STACS6-83 PEGASUS 038 STN 7

R/V VIRGINIA KEY JDAY 111 TIME 1227Z

LATITUDE 27.00 N LONGITUDE 79.30 W

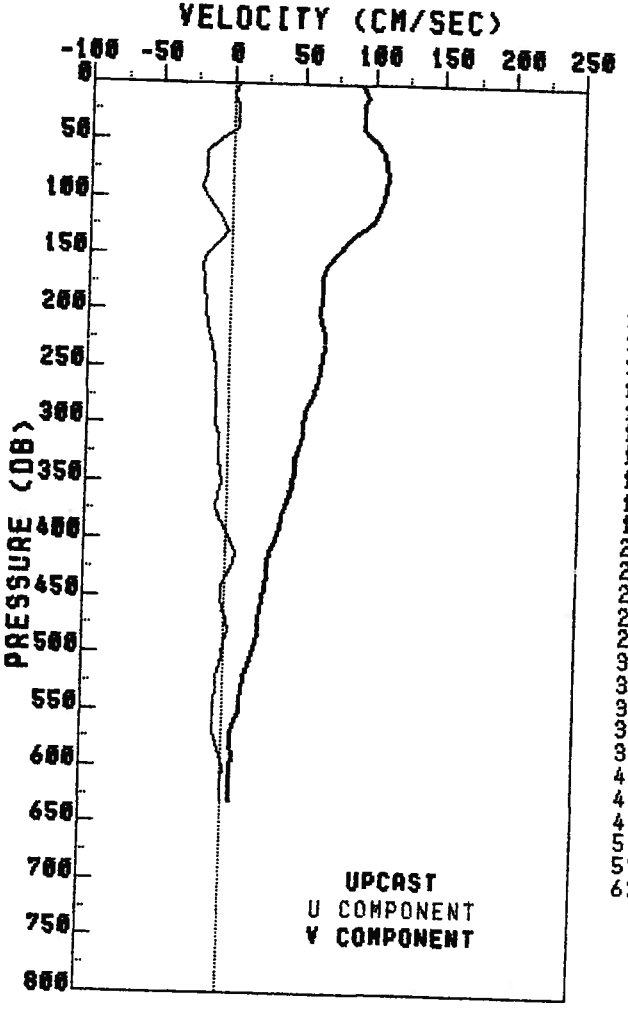


PRES	U	V
0	-2.6	91.8
10	-2.6	91.8
20	-4.5	90.7
30	-5.5	90.7
40	-11.1	97.1
50	-20.7	103.4
60	-25.8	107.0
70	-22.1	108.4
80	-16.0	107.6
90	-17.0	105.3
100	-20.5	103.0
110	-17.6	96.4
120	-12.4	86.8
130	-12.1	78.9
140	-16.4	69.8
150	-17.5	59.8
160	-16.9	55.5
170	-18.4	55.0
180	-19.4	54.6
190	-16.5	54.1
200	-14.9	54.4
220	-12.7	55.2
240	-14.8	57.1
260	-11.7	55.2
280	-9.5	56.2
300	-5.6	54.5
320	-5.7	51.8
340	-5.7	49.7
360	-4.2	47.3
380	-1.7	43.6
400	3.5	42.8
420	7.3	39.7
470	5.7	29.1
520	0.3	16.7
570	6.1	6.9
620	1.2	2.9

VK-STACS6-83 PEGASUS 040 STN 7

R/V VIRGINIA KEY JDAY 111 TIME 1625Z

LATITUDE 27.00 N LONGITUDE 79.30 W

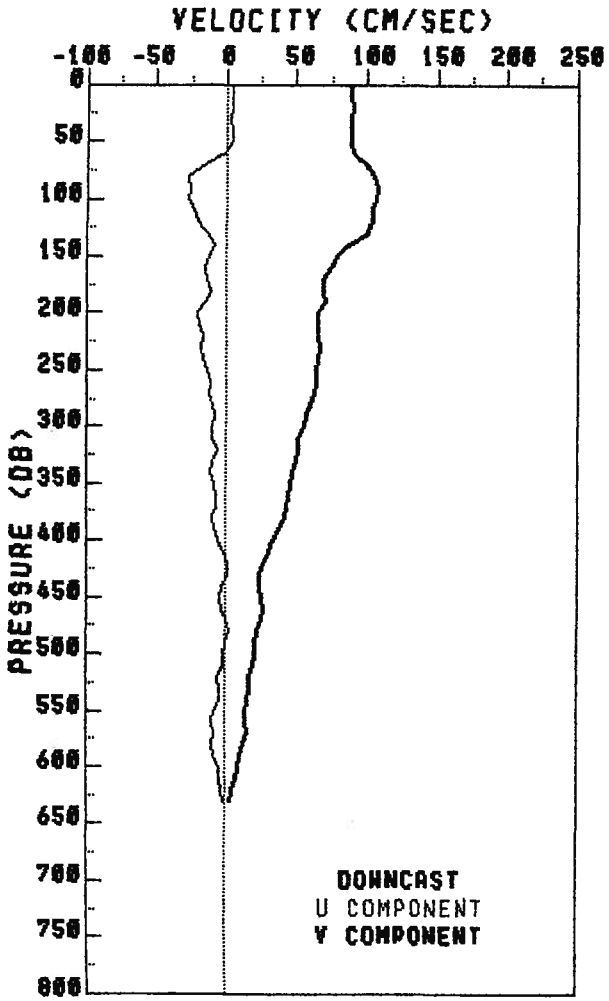


PRES	U	V
0	2.9	92.2
10	0.8	96.5
20	3.6	94.0
30	3.9	93.0
40	3.5	93.0
50	-9.2	101.3
60	-18.2	108.6
70	-18.3	110.5
80	-18.4	111.3
90	-20.9	110.4
100	-17.3	108.0
110	-11.4	105.8
120	-6.0	101.1
130	-2.5	91.0
140	-8.4	83.2
150	-17.1	76.3
160	-20.0	69.4
170	-18.3	66.6
180	-18.7	66.0
190	-17.6	65.5
200	-17.2	65.3
220	-14.2	68.2
240	-11.0	67.8
260	-8.6	64.3
280	-9.5	58.6
300	-8.6	54.3
320	-6.3	50.9
340	-4.3	47.9
360	-6.1	46.2
380	-5.8	39.9
400	3.5	35.7
420	6.2	30.6
470	2.3	24.9
520	-4.6	15.9
570	-6.0	7.5
620	0.6	7.9

VK-STACS6-83 PEGASUS 041 STN 7

R/V VIRGINIA KEY JDAY 111 TIME 1825Z

LATITUDE 27.00 N LONGITUDE 79.30 W

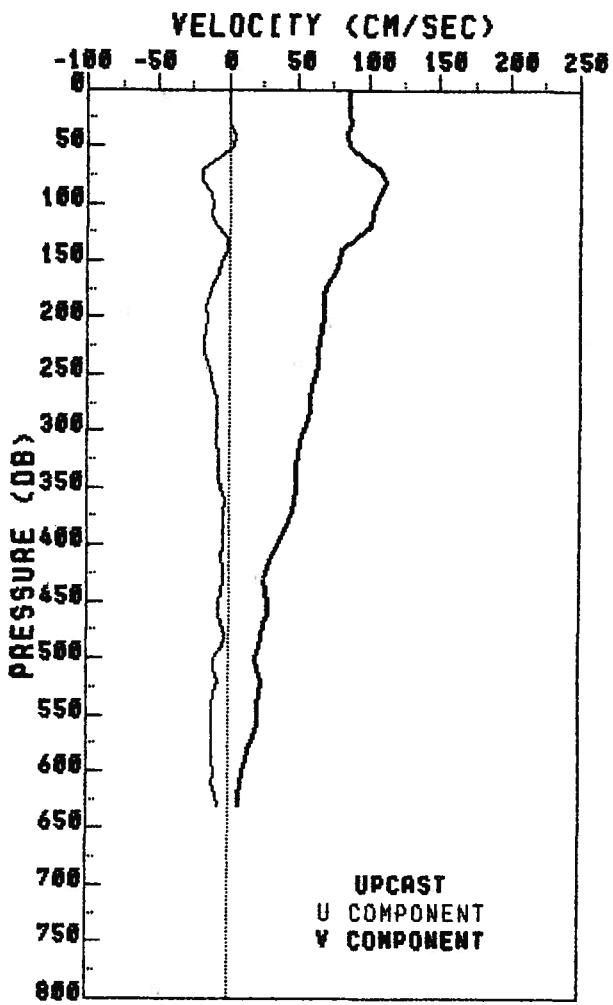


PRES	U	V
0	4.8	89.2
10	4.8	89.2
20	4.3	90.2
30	2.5	89.2
40	4.8	89.4
50	3.9	89.2
60	-0.6	90.1
70	-14.4	100.6
80	-26.6	106.2
90	-26.0	108.8
100	-27.1	106.5
110	-22.9	104.7
120	-19.8	103.5
130	-14.0	101.6
140	-8.4	88.1
150	-12.6	80.1
160	-14.6	75.3
170	-12.9	70.6
180	-11.1	69.7
190	-14.7	70.8
200	-19.8	65.4
220	-16.8	65.8
240	-16.6	66.2
260	-10.2	64.0
280	-9.3	59.8
300	-9.3	55.7
320	-5.0	51.8
340	-11.1	48.7
360	-6.1	45.0
380	-9.3	42.5
400	-5.6	34.9
420	1.4	27.1
470	0.5	25.6
520	-4.9	18.4
570	-8.4	16.1
620	-2.0	5.5

VK-STACS6-83 PEGASUS 042 STN 7

R/V VIRGINIA KEY JDAY 111 TIME 2024Z

LATITUDE 27.00 N LONGITUDE 79.30 W

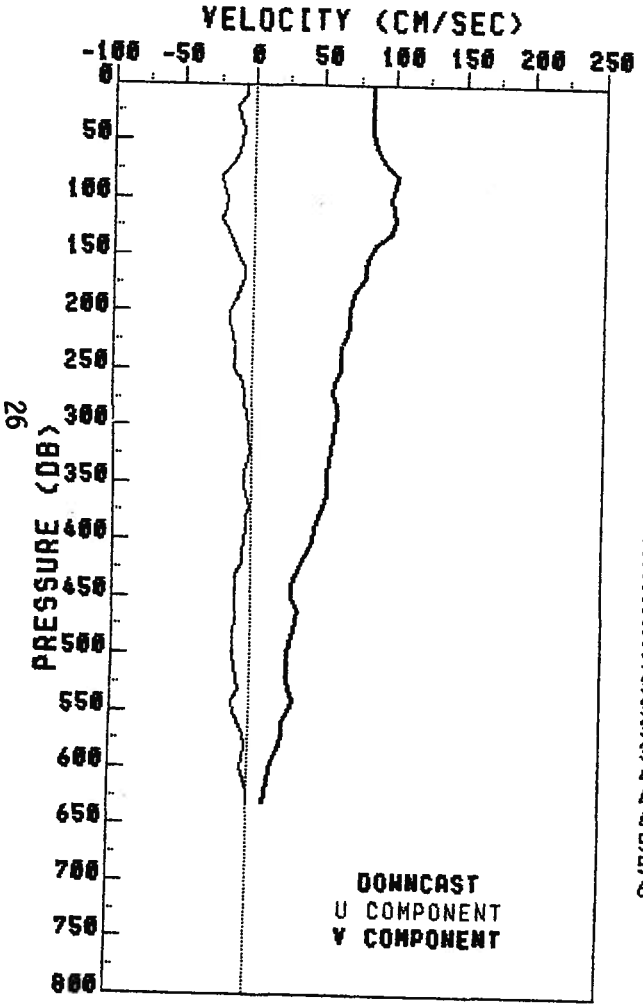


PRES	U	V
0	1.2	86.4
10	1.2	86.4
20	0.3	86.8
30	0.4	87.5
40	4.0	85.1
50	3.0	86.5
60	-6.9	96.3
70	-18.9	108.6
80	-18.1	113.1
90	-12.0	108.6
100	-10.9	103.8
110	-11.4	103.3
120	-8.1	101.2
130	-0.8	90.6
140	-1.3	80.9
150	-4.8	79.2
160	-5.7	77.0
170	-10.2	71.2
180	-13.6	69.5
190	-15.4	69.4
200	-15.0	68.7
220	-17.0	65.7
240	-15.0	64.4
260	-10.2	61.3
280	-7.1	59.2
300	-7.5	54.9
320	-6.8	51.1
340	-6.5	50.2
360	-2.1	48.5
380	-4.2	44.3
400	-4.0	36.1
420	-3.5	29.0
470	-4.8	26.7
520	-6.0	24.9
570	-10.5	19.6
620	-8.3	9.3

VK-STACS6-83 PEGASUS 043 STN 7

R/V VIRGINIA KEY JDAY 111 TIME 2233Z

LATITUDE 27.00 N LONGITUDE 79.30 W

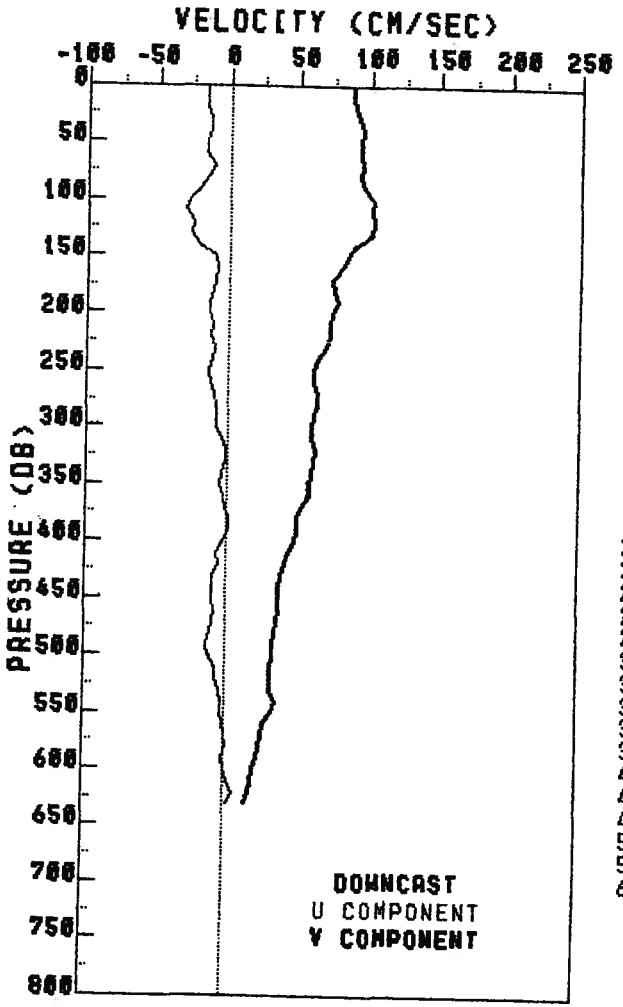


PRES	U	V
0	-7.2	85.5
10	-7.2	85.5
20	-11.5	84.7
30	-11.3	84.5
40	-8.3	84.8
50	-8.7	86.4
60	-10.7	88.8
70	-15.3	95.1
80	-22.5	102.4
90	-22.2	101.5
100	-19.0	98.9
110	-19.7	100.7
120	-23.2	102.1
130	-17.5	98.8
140	-13.9	87.7
150	-10.6	83.2
160	-6.7	80.7
170	-6.7	81.2
180	-9.9	74.2
190	-12.4	71.5
200	-16.0	70.3
220	-14.1	69.1
240	-11.9	64.9
260	-6.4	60.3
280	-5.6	62.0
300	-2.6	60.6
320	-1.4	58.0
340	-5.1	54.9
360	-4.2	55.1
380	-3.4	49.8
400	-5.9	44.7
420	-6.4	37.7
470	-11.3	33.0
520	-8.8	27.0
570	-4.1	24.5
620	0.3	19.7

VK-STACS6-83 PEGASUS 044 STN 7

R/V VIRGINIA KEY JDAY 112 TIME 0030Z

LATITUDE 27.00 N LONGITUDE 79.30 W

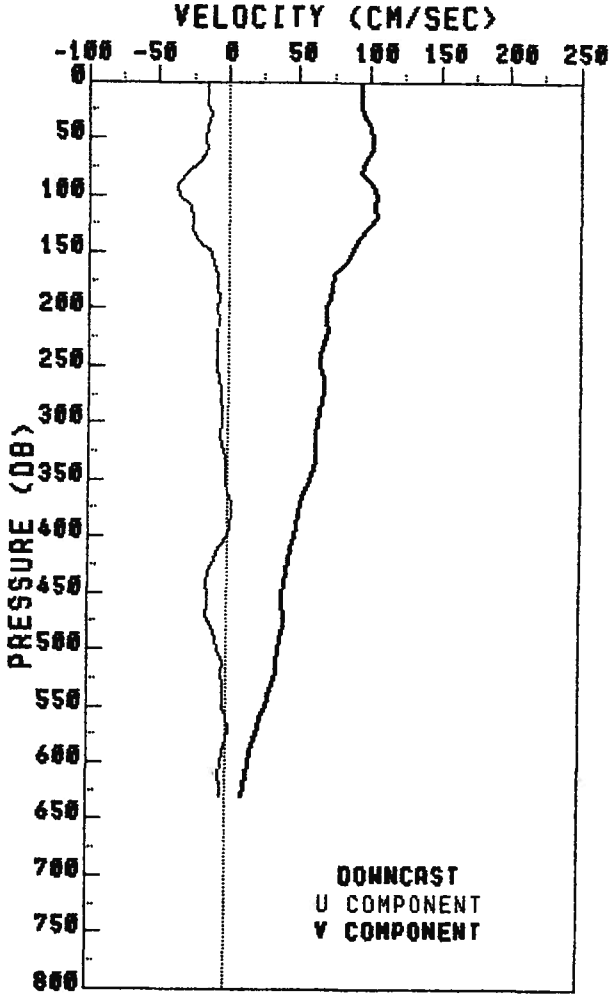


PRES	U	V
0	-15.8	88.6
10	-15.8	88.6
20	-15.4	89.5
30	-13.2	92.8
40	-13.7	94.2
50	-15.8	93.9
60	-15.7	93.7
70	-10.6	94.6
80	-14.8	92.9
90	-19.8	96.7
100	-28.1	103.2
110	-30.9	101.5
120	-25.8	103.6
130	-26.4	101.7
140	-20.9	91.1
150	-8.9	85.2
160	-7.0	80.7
170	-9.4	74.6
180	-10.9	75.3
190	-12.5	77.8
200	-12.6	74.7
220	-11.6	73.3
240	-10.4	65.2
260	-12.1	62.5
280	-7.9	64.9
300	-7.9	60.9
320	-1.4	62.8
340	-3.5	60.9
360	-2.6	59.0
380	2.0	50.6
400	-1.8	49.5
420	-4.8	43.2
470	-8.8	37.0
520	-6.1	32.8
570	0.3	27.3
620	7.2	19.4

VK-STACS6-83 PEGASUS 045 STN 7

R/V VIRGINIA KEY JDAY 112 TIME 0230Z

LATITUDE 27.00 N LONGITUDE 79.30 W

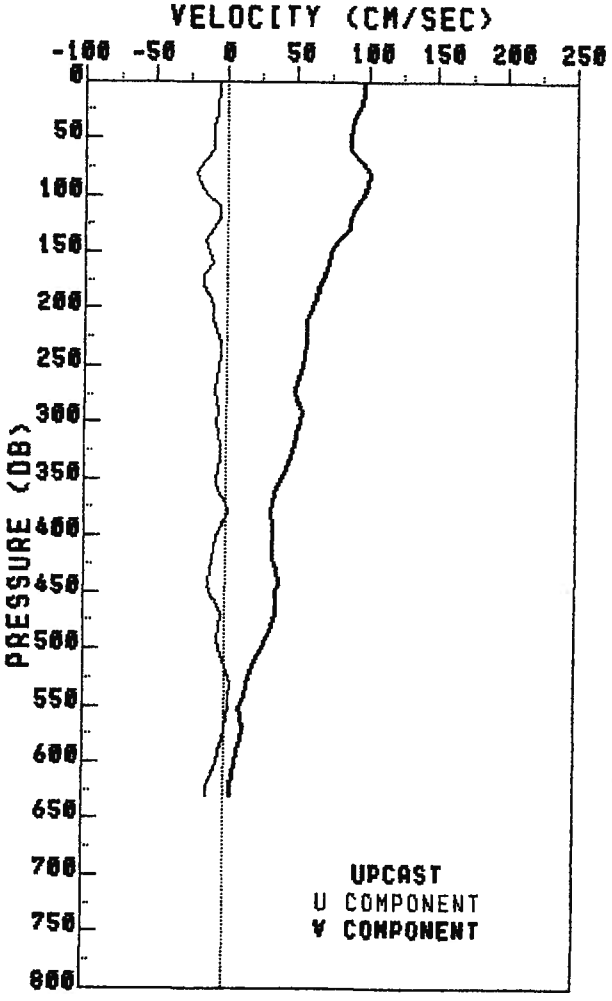


PRES	U	V
0	-15.3	93.9
10	-15.3	93.9
20	-14.3	94.5
30	-12.1	96.6
40	-14.9	100.9
50	-16.8	102.4
60	-14.4	102.4
70	-19.8	97.2
80	-29.3	95.3
90	-36.1	103.1
100	-35.5	105.1
110	-26.9	103.8
120	-26.3	105.0
130	-25.4	98.5
140	-21.1	91.5
150	-12.7	87.3
160	-10.5	83.0
170	-8.3	75.3
180	-8.0	74.3
190	-6.9	72.6
200	-7.3	69.3
220	-7.8	70.8
240	-7.9	65.4
260	-7.2	68.1
280	-5.5	67.1
300	-3.3	64.6
320	-3.9	62.5
340	-0.7	62.0
360	0.9	55.2
380	3.6	50.3
400	0.4	48.1
420	-9.3	44.3
470	-14.3	41.5
520	-3.7	35.5
570	1.0	23.1
620	-4.1	13.7

VK-STACS6-83 PEGASUS 047 STN 7

R/V VIRGINIA KEY JDAY 112 TIME 0635Z

LATITUDE 27.00 N LONGITUDE 79.30 W

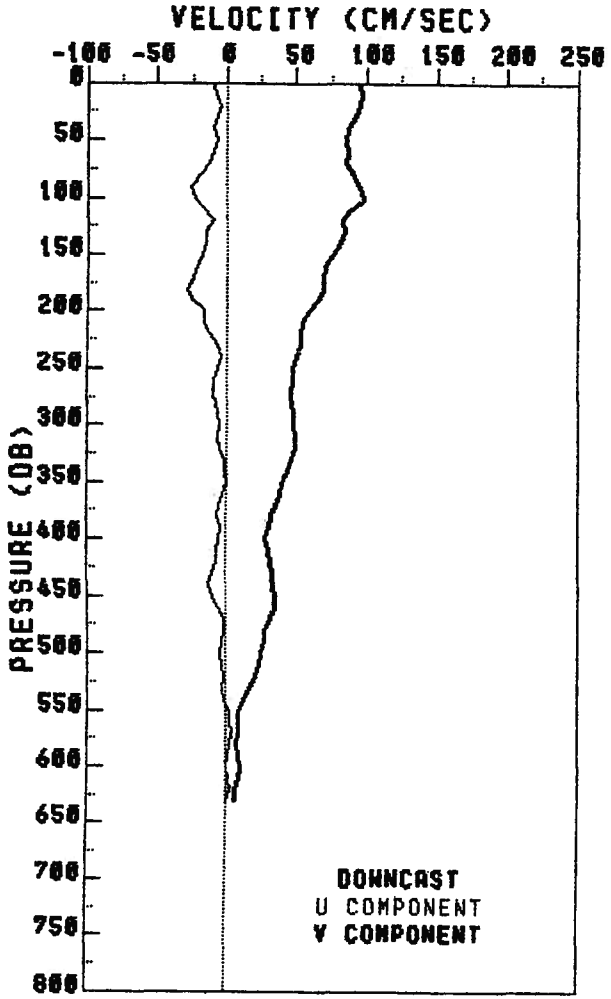


PRES	U	V
0	-5.0	97.9
10	-5.0	97.9
20	-6.1	96.4
30	-5.9	92.7
40	-8.4	89.3
50	-8.7	87.4
60	-8.5	88.7
70	-15.5	96.2
80	-21.5	101.8
90	-19.1	100.5
100	-12.5	97.8
110	-5.5	91.8
120	-4.5	87.7
130	-8.7	87.4
140	-15.0	80.3
150	-12.3	79.9
160	-9.1	73.2
170	-15.4	70.8
180	-15.7	66.7
190	-10.9	64.4
200	-8.8	61.5
220	-6.5	57.7
240	-4.2	57.0
260	-6.1	52.5
280	-6.8	51.7
300	-5.7	53.8
320	-3.8	49.7
340	-4.6	43.6
360	-4.4	35.9
380	1.6	34.0
400	-6.4	35.0
420	-9.6	35.0
470	-2.0	37.9
520	2.3	19.0
570	1.1	13.6
620	-11.1	6.6

VK-STACS6-83 PEGASUS 048 STN 7

R/V VIRGINIA KEY JDAY 112 TIME 0846Z

LATITUDE 27.00 N LONGITUDE 79.30 W

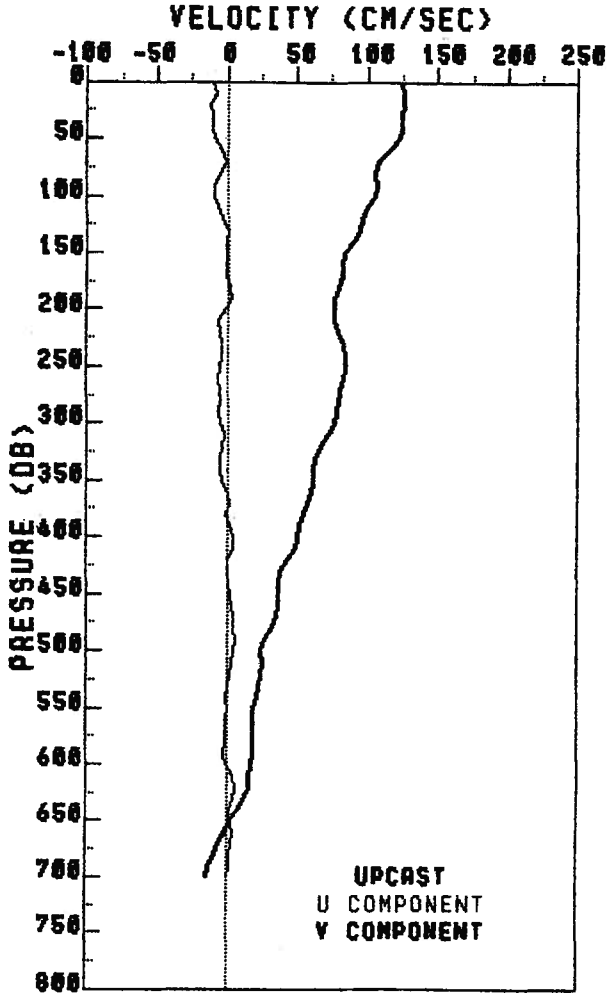


PRES	U	V
0	-9.5	96.2
10	-7.4	96.9
20	-4.9	95.4
30	-6.3	92.9
40	-8.7	87.7
50	-6.4	86.9
60	-9.0	87.3
70	-11.6	86.7
80	-19.1	91.6
90	-25.7	96.5
100	-22.5	98.6
110	-16.2	90.9
120	-9.3	84.3
130	-14.3	84.4
140	-14.6	82.8
150	-17.1	76.8
160	-22.0	71.8
170	-24.7	69.3
180	-28.8	69.6
190	-23.8	65.4
200	-16.0	60.4
220	-12.0	53.7
240	-4.1	51.0
260	-9.7	47.4
280	-7.8	46.9
300	-5.6	48.7
320	-5.0	49.0
340	-0.9	43.3
360	-2.9	38.1
380	-6.2	32.8
400	-4.8	29.3
420	-7.3	33.3
470	-1.8	32.9
520	-0.9	22.4
570	4.3	9.3
620	3.4	7.6

VK-STACS6-83 PEGASUS 049 STN 6

R/V VIRGINIA KEY JDAY 112 TIME 1037Z

LATITUDE 26.99 N LONGITUDE 79.40 W

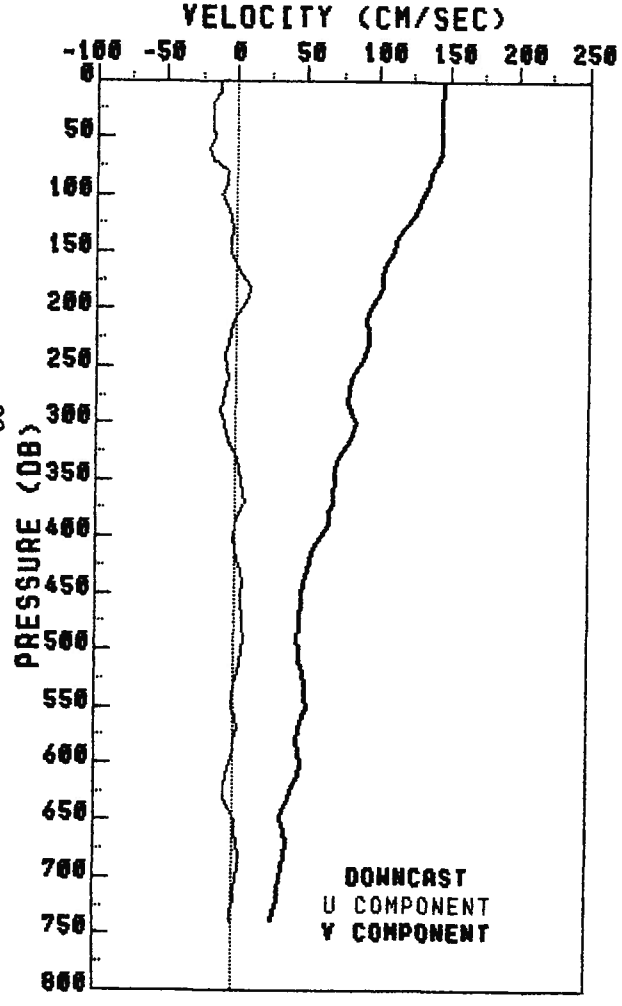


PRES	U	V
0	-10.7	124.5
10	-7.6	126.4
20	-11.5	125.9
30	-11.0	124.7
40	-9.9	125.0
50	-8.7	123.4
60	-4.0	116.7
70	-0.2	108.5
80	-4.5	105.3
90	-8.4	106.8
100	-8.6	105.1
110	-6.8	99.9
120	-2.9	95.7
130	0.6	95.2
140	-0.3	91.4
150	-0.9	83.3
160	-1.0	82.1
170	-0.7	82.4
180	1.7	79.4
190	3.0	77.0
200	-0.9	77.1
220	-5.4	79.9
240	-4.0	85.0
260	-6.3	83.6
280	-4.6	79.7
300	-4.3	76.6
320	-3.9	67.9
340	-5.4	61.7
360	0.8	60.4
380	-1.0	54.7
400	4.5	51.6
420	0.8	44.3
470	4.0	36.1
520	1.3	25.2
570	-0.6	19.4
620	5.8	16.3
670	3.6	-4.4

VK-STACS6-83 PEGASUS 050 STN 5

R/V VIRGINIA KEY JDAY 112 TIME 1222Z

LATITUDE 26.99 N LONGITUDE 79.50 W

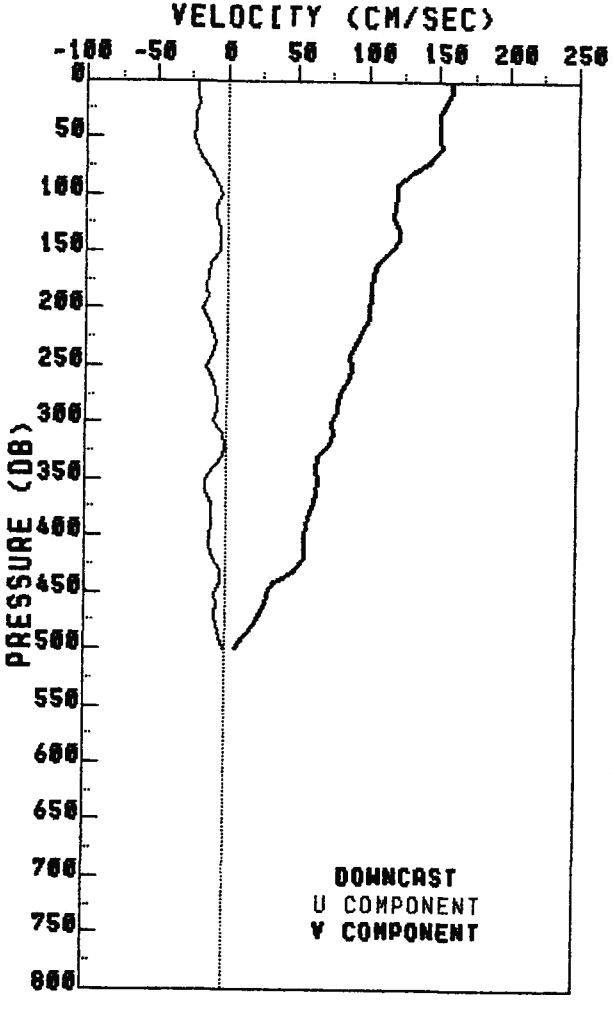


PRES	U	V
0	-11.5	145.9
10	-11.5	145.9
20	-17.3	144.6
30	-18.1	145.8
40	-17.3	144.8
50	-16.2	145.1
60	-19.7	144.9
70	-17.3	144.0
80	-6.8	138.3
90	-6.2	136.4
100	-10.7	132.9
110	-6.3	130.3
120	-4.2	125.9
130	-3.1	119.3
140	-3.5	114.1
150	-4.0	112.0
160	-0.2	106.4
170	4.9	104.0
180	10.4	104.0
190	9.0	100.6
200	4.4	95.9
220	-4.3	94.0
240	-7.9	91.7
260	-4.8	81.8
280	-9.6	79.8
300	-7.8	85.8
320	-3.4	79.8
340	3.3	71.8
360	6.0	70.6
380	2.9	67.5
400	-1.1	61.8
420	1.4	53.3
470	5.0	47.0
520	3.0	49.3
570	2.7	46.5
620	-6.5	42.0
670	2.7	38.5
720	1.3	32.9

VK-STACS6-83 PEGASUS 054 STN 3

R/V VIRGINIA KEY JDAY 112 TIME 1814Z

LATITUDE 26.99 N LONGITUDE 79.69 W

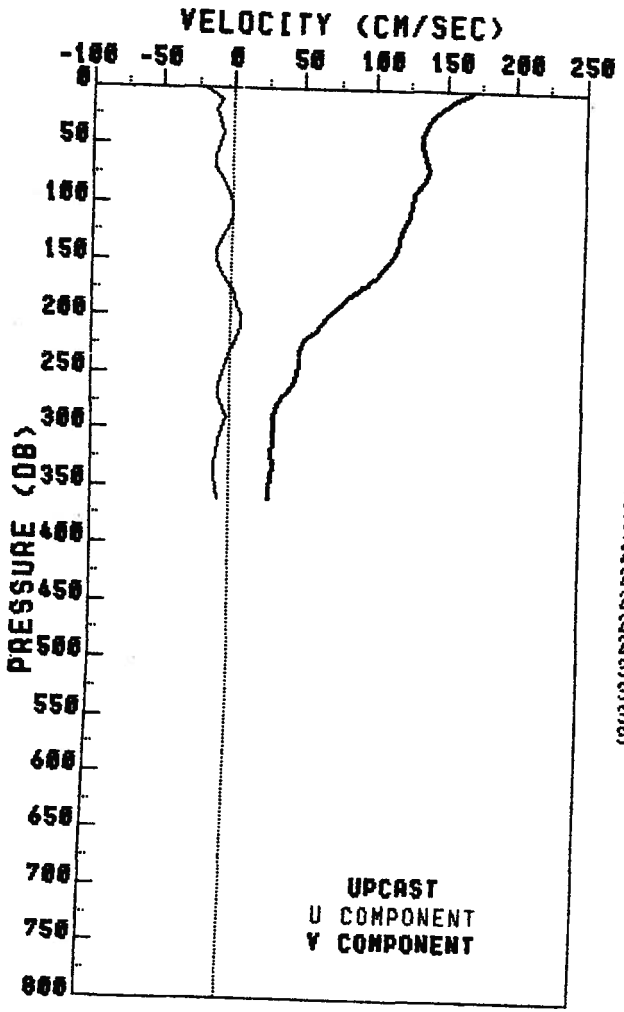


PRES	U	V
0	-21.7	159.0
10	-21.7	159.0
20	-20.3	155.4
30	-22.6	151.6
40	-22.4	150.5
50	-23.5	150.9
60	-21.9	151.9
70	-17.6	144.2
80	-11.6	130.1
90	-5.7	120.7
100	-3.8	120.6
110	-7.1	119.7
120	-8.3	118.3
130	-4.7	121.9
140	-5.1	121.8
150	-5.6	115.5
160	-11.7	106.6
170	-13.2	104.8
180	-13.9	103.5
190	-13.5	103.5
200	-16.9	102.3
220	-10.4	95.9
240	-10.1	88.6
260	-10.0	87.8
280	-6.5	79.2
300	-8.9	76.4
320	-1.1	73.8
340	-9.6	65.2
360	-14.0	65.9
380	-10.7	60.9
400	-11.8	56.1
420	-8.9	56.9
470	-7.2	25.5

VK-STACS6-83 PEGASUS 056 STN 2

R/V VIRGINIA KEY JDAY 112 TIME 2124Z

LATITUDE 26.98 N LONGITUDE 79.79 W

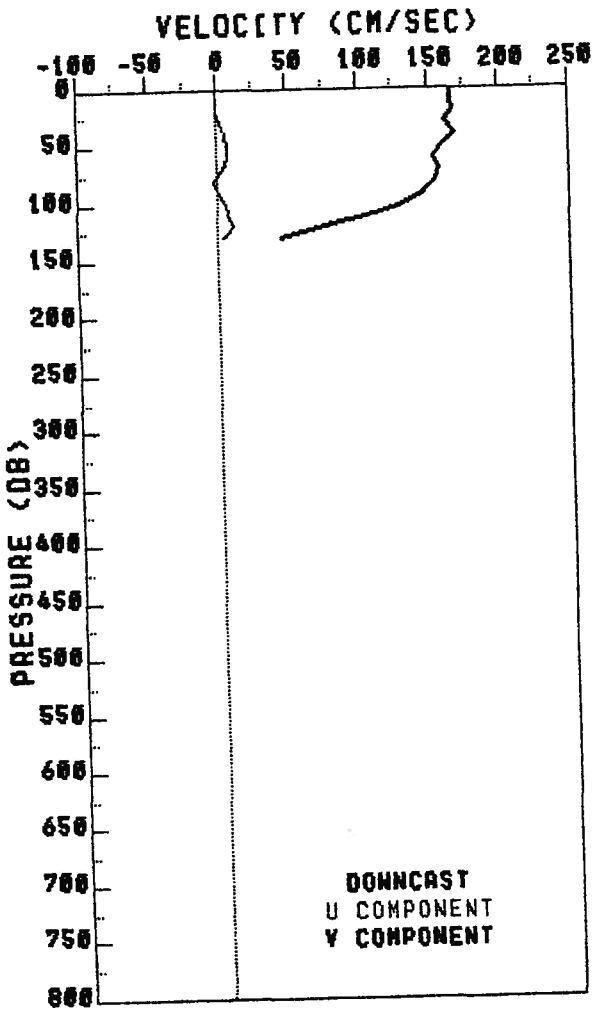


PRES	U	V
0	-20.4	168.4
10	-8.3	153.7
20	-11.4	145.8
30	-8.8	139.0
40	-6.9	134.1
50	-9.3	133.6
60	-12.2	136.9
70	-11.8	139.9
80	-6.7	135.1
90	-3.0	128.7
100	-0.4	127.3
110	0.3	126.0
120	-0.5	122.3
130	-6.4	119.6
140	-10.3	118.3
150	-10.6	112.9
160	-7.7	105.2
170	-2.7	95.4
180	2.3	84.8
190	4.2	76.2
200	6.5	70.4
220	4.1	54.1
240	-2.0	49.0
260	-7.8	44.9
280	-4.7	33.2
300	-5.9	31.3
320	-9.4	30.8
340	-11.1	30.8
360	-8.4	28.6

VK-STACS9-83 PEGASUS 001 STN 0

R/V VIRGINIA KEY JDAY 209 TIME 2320Z

LATITUDE 26.93 N LONGITUDE 79.83 W

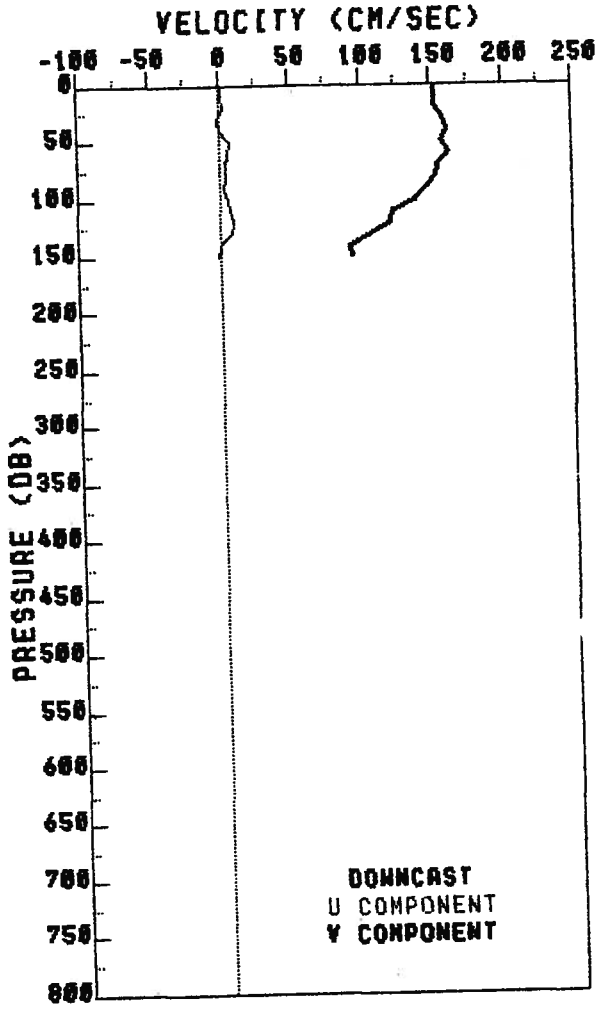


PRES	U	V
0	-0.4	166.4
10	-0.4	166.4
20	0.4	168.1
30	2.3	162.9
40	5.4	170.0
50	7.5	161.6
60	6.9	155.2
70	3.8	158.9
80	-2.7	156.4
90	1.2	147.5
100	5.4	133.3
110	7.1	112.5
120	10.6	76.2
130	4.7	45.0

VK-STACS9-83 PEGASUS 002 STN 1

R/V VIRGINIA KEY JDAY 210 TIME 0205Z

LATITUDE 26.97 N LONGITUDE 79.83 W

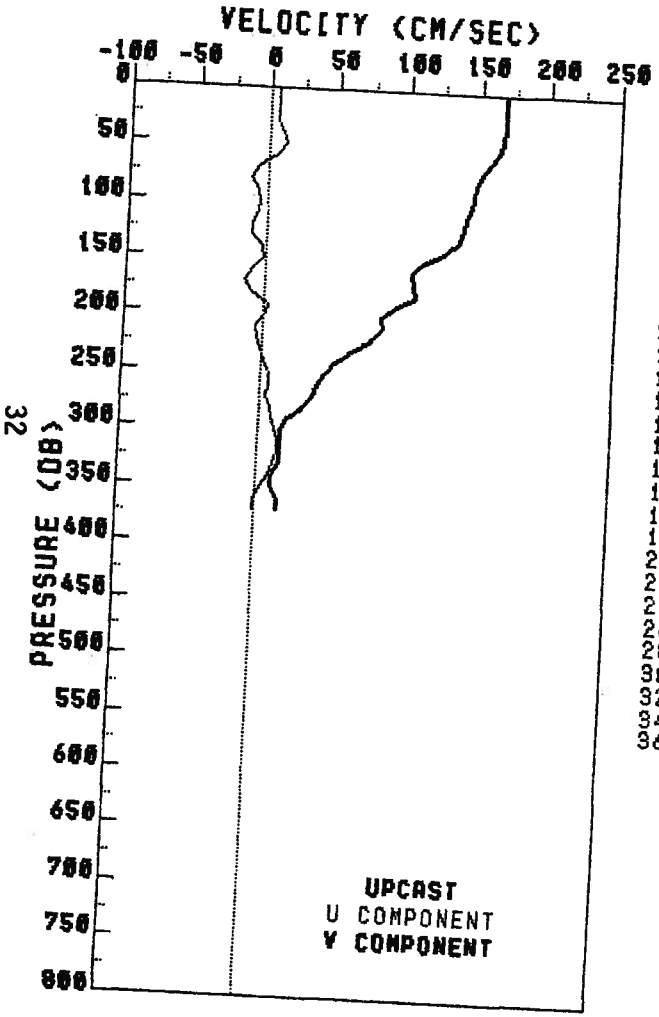


PRES	U	V
0	1.8	153.0
10	1.8	153.0
20	3.1	153.1
30	-0.8	159.6
40	-0.1	161.7
50	6.7	158.3
60	6.5	163.7
70	4.0	154.8
80	5.1	153.3
90	3.3	146.9
100	6.1	138.3
110	7.8	122.9
120	10.2	121.6
130	9.0	107.3
140	1.0	93.5
150	-0.8	95.4

VK-STACS9-83 PEGASUS 003 STN 2

R/V VIRGINIA KEY JDAY 210 TIME 0456Z

LATITUDE 26.97 N LONGITUDE 79.76 W

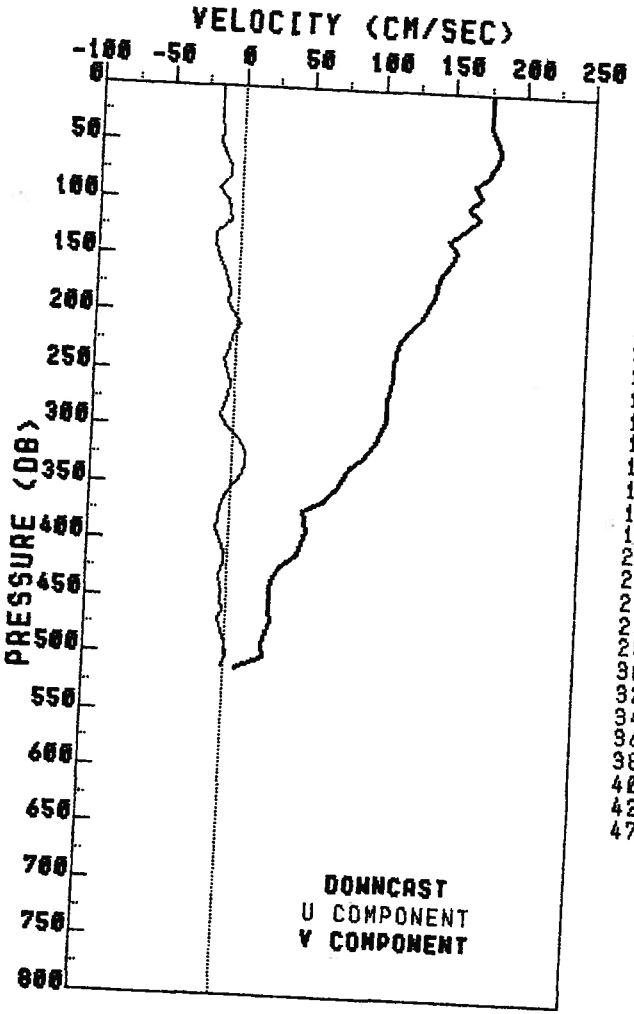


PRES	U	V
0	5.7	168.0
10	5.7	168.0
20	5.7	168.0
30	5.7	168.0
40	10.0	167.5
50	12.3	165.9
60	5.1	160.5
70	-6.4	153.2
80	-11.5	149.5
90	-6.5	147.7
100	-5.8	146.2
110	-6.4	142.7
120	-10.3	140.6
130	-10.9	138.9
140	-2.9	129.1
150	-0.6	113.5
160	-8.9	105.1
170	-15.5	107.2
180	-10.0	107.8
190	2.4	93.5
200	0.9	84.6
220	-3.8	77.5
240	2.2	53.5
260	5.4	41.1
280	6.7	30.4
300	11.2	16.8
320	13.7	17.2
340	7.8	10.9
360	-0.8	16.3

VK-STACS9-83 PEGASUS 004 STN 3

R/V VIRGINIA KEY JDAY 210 TIME 0844Z

LATITUDE 26.99 N LONGITUDE 79.66 W

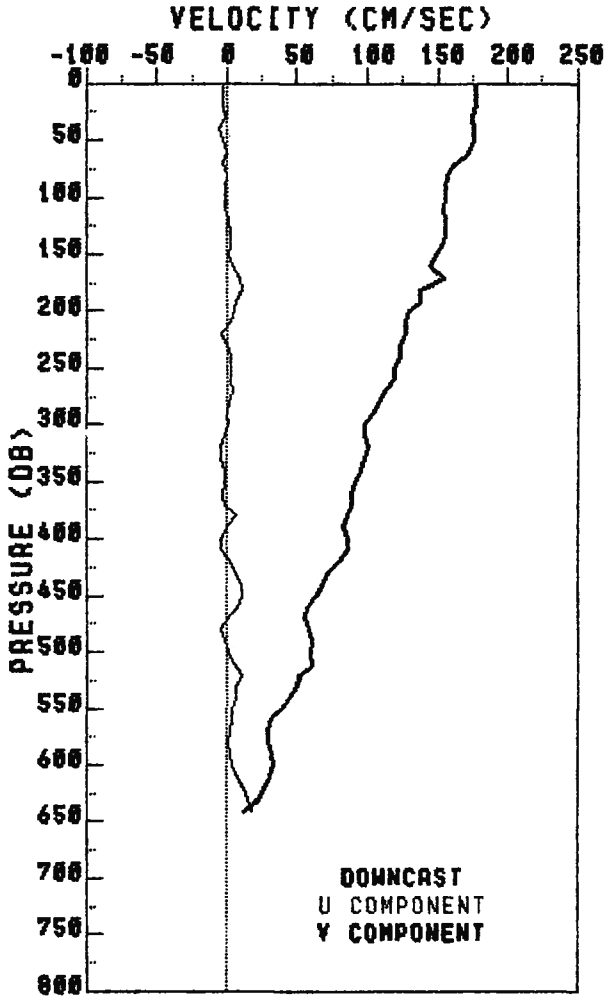


PRES	U	V
0	-16.4	177.5
10	-16.4	177.5
20	-16.4	177.5
30	-16.4	177.5
40	-15.1	180.4
50	-16.5	183.2
60	-11.6	183.0
70	-8.3	177.4
80	-7.1	167.1
90	-15.6	171.7
100	-8.5	162.2
110	-7.7	170.6
120	-6.1	159.9
130	-17.9	149.8
140	-17.9	155.3
150	-14.5	152.9
160	-9.9	145.6
170	-7.7	142.8
180	-4.6	141.6
190	-5.9	135.8
200	-1.6	133.1
220	-1.7	118.5
240	-7.2	114.6
260	-2.9	112.6
280	-7.0	110.1
300	-3.1	106.3
320	10.4	96.0
340	8.8	81.7
360	-4.0	68.3
380	-7.8	55.4
400	-4.3	53.4
420	-2.1	40.1
470	-4.3	33.6

VK-STACS9-83 PEGASUS 005 STN 4

R/V VIRGINIA KEY JDAY 210 TIME 1158Z

LATITUDE 26.97 N LONGITUDE 79.59 W

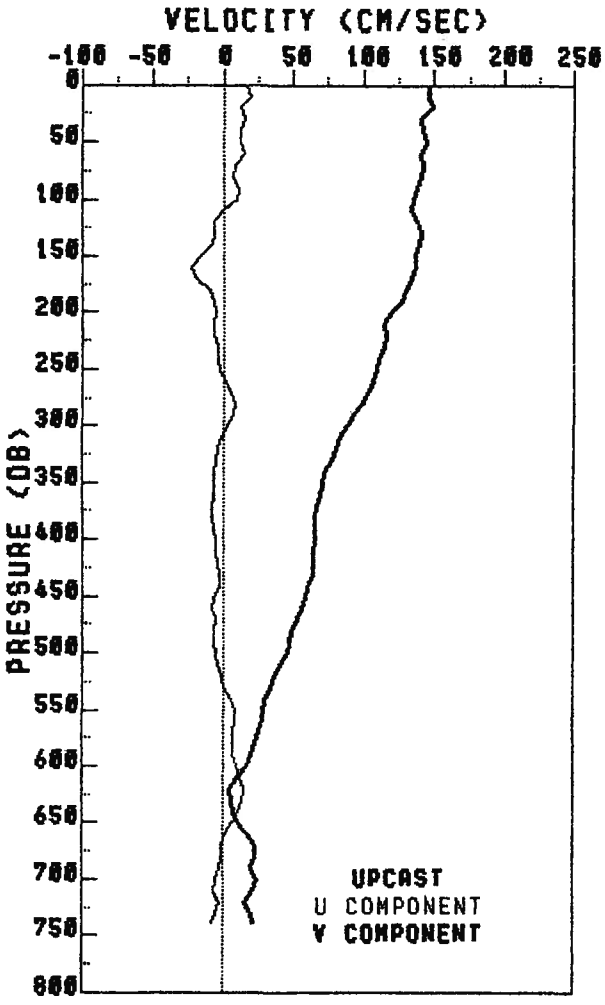


PRES	U	V
0	-1.9	178.5
10	-1.9	178.5
20	-1.9	178.5
30	-1.4	174.8
40	-4.7	176.1
50	-2.1	176.3
60	0.3	172.1
70	-3.1	162.5
80	-0.2	157.2
90	-0.8	155.6
100	-0.8	155.6
110	-1.4	155.1
120	2.1	156.8
130	2.7	156.4
140	3.2	154.1
150	2.0	149.8
160	4.5	144.9
170	10.4	154.6
180	11.5	137.8
190	7.7	138.5
200	5.5	130.1
220	-4.1	128.0
240	3.1	123.4
260	2.5	119.0
280	2.1	108.7
300	1.3	99.3
320	-4.4	101.0
340	-1.2	96.1
360	-1.9	89.0
380	6.7	85.8
400	-3.9	85.9
420	2.8	80.3
470	1.9	55.6
520	11.8	52.5
570	3.2	30.0
620	13.0	27.1

VK-STACS9-83 PEGASUS 006 STN 5

R/V VIRGINIA KEY JDAY 210 TIME 1436Z

LATITUDE 26.99 N LONGITUDE 79.48 W

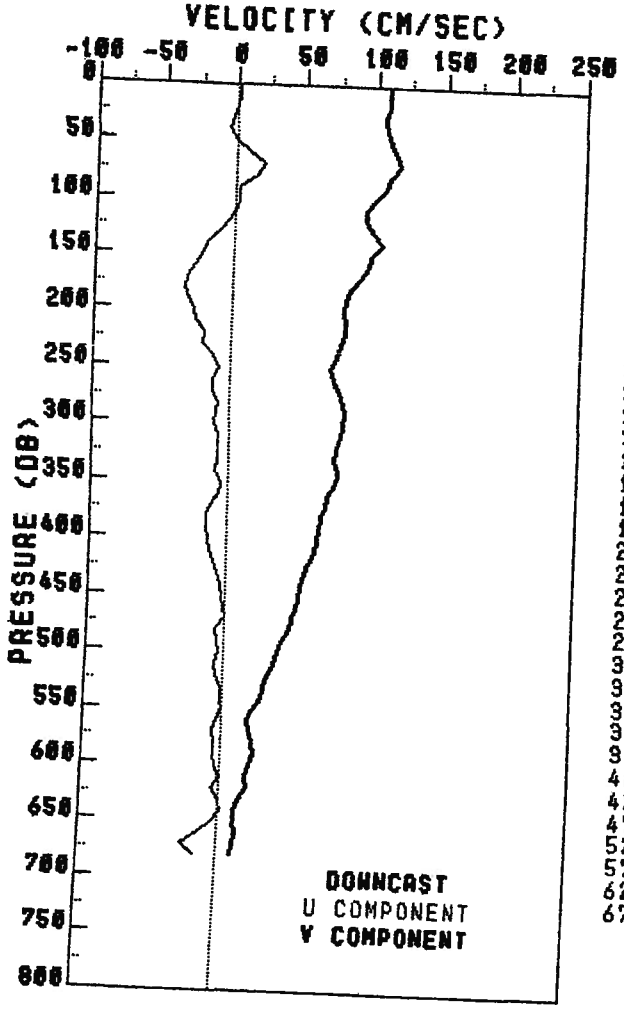


PRES	U	V
0	17.3	146.9
10	19.0	146.2
20	12.9	149.3
30	15.5	141.5
40	12.5	143.0
50	13.0	145.0
60	14.9	141.2
70	9.0	143.1
80	7.4	141.7
90	11.7	138.7
100	10.1	136.5
110	0.6	134.5
120	-6.2	138.7
130	-6.5	140.8
140	-8.3	139.6
150	-15.7	137.2
160	-22.3	136.9
170	-18.5	134.4
180	-9.6	131.0
190	-6.1	128.2
200	-4.9	121.3
220	-5.8	116.1
240	-4.1	111.3
260	1.3	107.8
280	8.6	99.1
300	3.6	89.0
320	-3.4	81.0
340	-5.9	73.2
360	-6.5	69.8
380	-7.3	65.6
400	-5.5	66.5
420	-4.1	64.5
470	-5.1	53.3
520	-0.9	37.4
570	7.8	27.0
620	16.1	5.5
670	-0.9	23.4
720	-2.6	17.2

VK-STACS9-83 PEGASUS 007 STN 6

R/V VIRGINIA KEY JDAY 210 TIME 1732Z

LATITUDE 26.98 N LONGITUDE 79.36 W

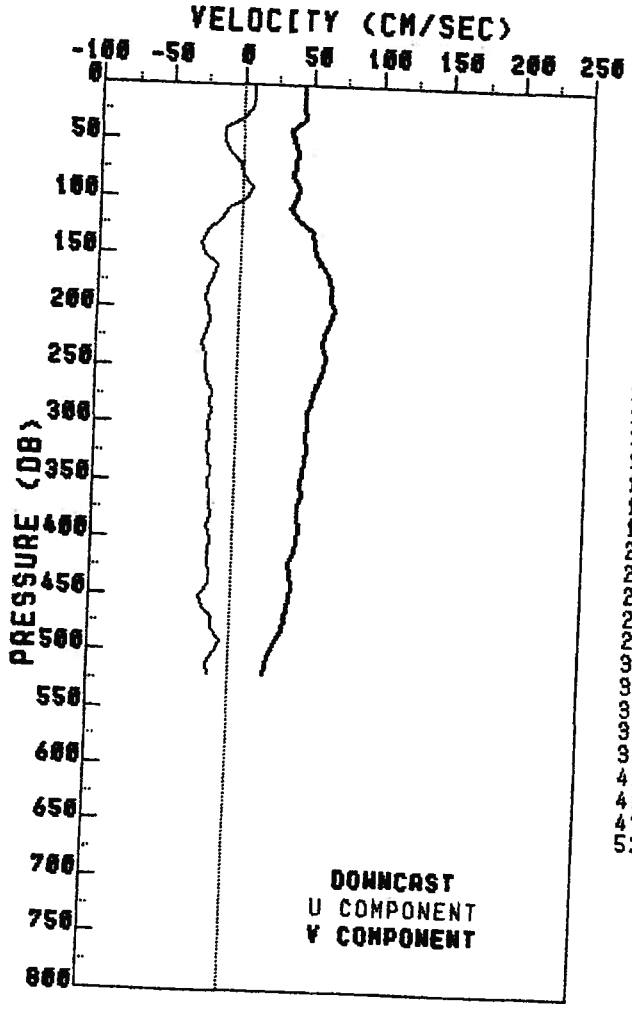


PRES	U	V
0	1.5	110.1
10	1.5	110.1
20	0.5	109.8
30	-2.4	106.9
40	-5.7	108.3
50	0.2	111.0
60	9.3	114.8
70	20.7	117.3
80	15.1	111.5
90	3.2	108.6
100	3.2	100.5
110	1.2	95.1
120	-4.4	94.4
130	-10.9	100.1
140	-19.5	106.9
150	-23.1	98.9
160	-26.7	96.8
170	-32.7	91.5
180	-33.6	84.5
190	-30.8	82.0
200	-26.6	81.0
220	-18.9	81.8
240	-11.9	76.1
260	-12.6	75.2
280	-8.3	82.3
300	-10.2	82.7
320	-7.3	78.5
340	-9.3	79.3
360	-6.6	72.5
380	-14.8	68.7
400	-13.6	66.4
420	-8.8	60.7
470	0.1	49.8
520	-5.3	33.0
570	-6.5	20.6
620	-5.4	20.1
670	-25.3	11.9

VK-STACS9-83 PEGASUS 009 STN 8

R/V VIRGINIA KEY JDAY 210 TIME 2341Z

LATITUDE 26.99 N LONGITUDE 79.19 W

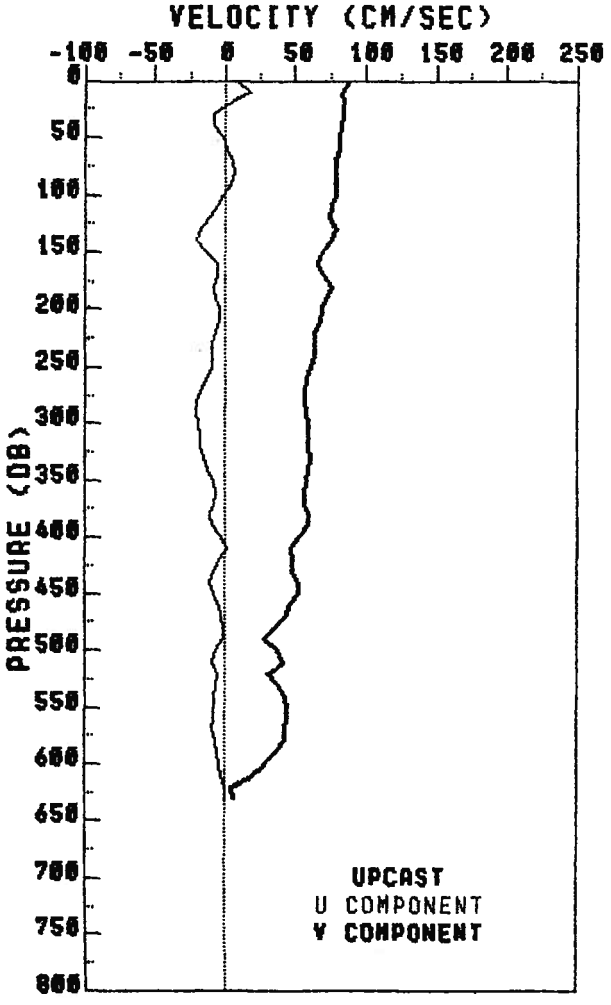


PRES	U	V
0	6.9	44.3
10	6.9	44.3
20	6.9	44.3
30	1.7	46.0
40	-12.5	36.3
50	-12.6	37.7
60	-8.6	40.2
70	-0.7	38.8
80	0.1	36.9
90	8.0	41.2
100	2.6	39.9
110	-8.7	36.5
120	-15.1	42.2
130	-24.2	52.5
140	-27.7	54.3
150	-24.9	54.8
160	-16.5	60.8
170	-18.5	65.7
180	-23.3	66.9
190	-24.1	67.9
200	-20.8	70.0
220	-22.5	62.8
240	-22.9	64.4
260	-21.6	60.5
280	-18.9	55.2
300	-20.4	52.8
320	-20.0	52.6
340	-17.2	49.7
360	-17.3	49.7
380	-15.8	47.1
400	-15.3	47.1
420	-17.1	41.7
470	-12.8	39.9
520	-14.6	26.9

VK-STACS9-83 PEGASUS 010 STN 7

R/V VIRGINIA KEY JDAY 211 TIME 0141Z

LATITUDE 26.99 N LONGITUDE 79.26 W

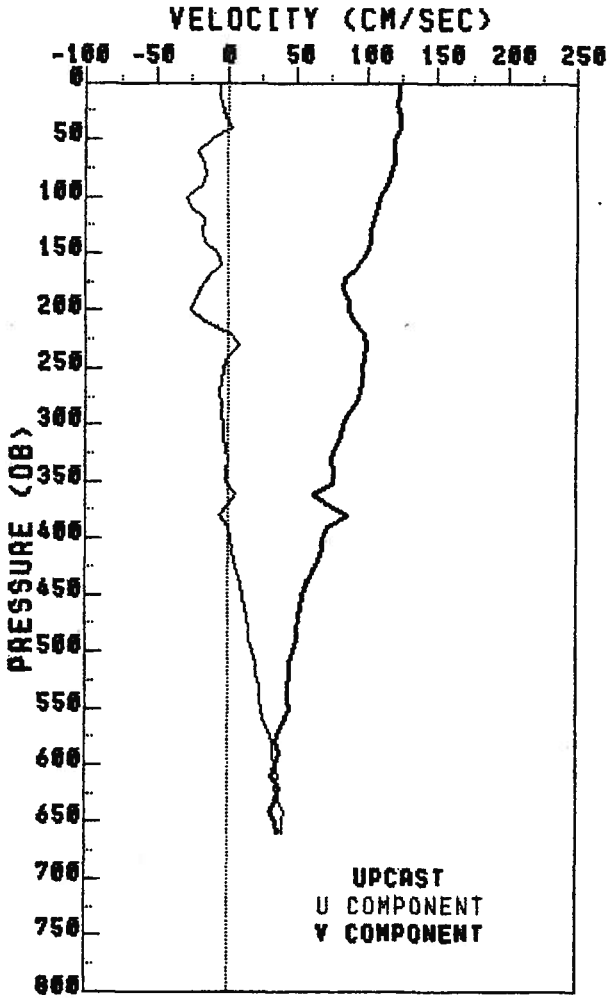


PRES	U	V
0	9.0	89.7
10	18.6	83.8
20	4.6	84.8
30	-8.1	85.6
40	-8.0	83.4
50	-1.0	82.9
60	2.3	81.8
70	5.7	79.7
80	6.8	78.9
90	3.9	79.3
100	-0.9	79.6
110	-4.7	76.3
120	-10.4	75.9
130	-18.1	79.3
140	-19.7	76.4
150	-13.5	70.5
160	-5.1	67.3
170	-4.8	71.7
180	-8.4	76.5
190	-6.3	73.0
200	-3.7	69.8
220	-6.4	64.9
240	-9.4	63.9
260	-13.0	59.4
280	-19.6	57.0
300	-18.7	59.8
320	-17.2	61.0
340	-11.6	59.8
360	-6.2	57.5
380	-11.0	60.4
400	-2.0	59.7
420	-4.3	48.9
470	-3.0	45.7
520	-5.7	31.8
570	-8.7	44.1
620	-0.3	5.9

VK-STACS9-83 PEGASUS 011 STN 6

R/V VIRGINIA KEY JDAY 211 TIME 0357Z

LATITUDE 26.98 N LONGITUDE 79.36 W

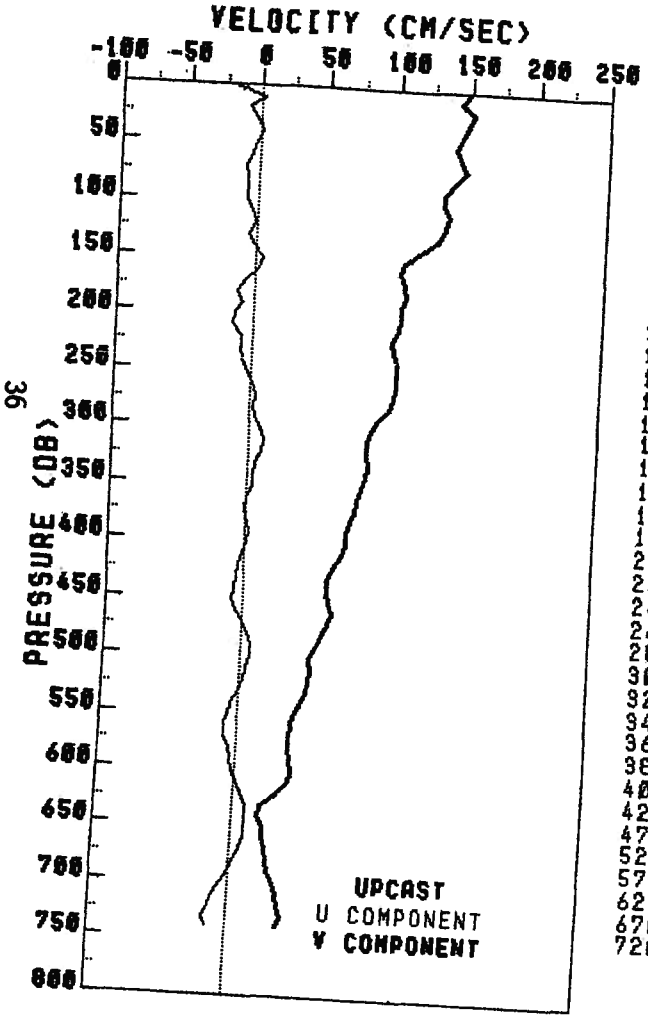


PRES	U	V
0	-5.0	123.5
10	-4.5	124.0
20	-3.1	122.2
30	-1.1	124.9
40	3.1	124.6
50	-10.6	121.3
60	-20.5	120.4
70	-16.3	121.4
80	-14.8	117.8
90	-17.5	114.7
100	-27.8	110.5
110	-25.6	108.2
120	-16.4	105.7
130	-17.4	102.5
140	-15.6	102.6
150	-6.2	100.4
160	-4.2	94.7
170	-13.1	85.7
180	-18.2	84.3
190	-22.5	87.6
200	-26.1	87.5
220	2.5	98.4
240	0.4	99.0
260	-3.6	97.7
280	-4.2	93.6
300	-2.2	84.1
320	-0.9	78.8
340	-0.6	77.1
360	6.0	62.6
380	-5.5	86.0
400	2.5	69.5
420	4.2	66.6
470	13.8	52.9
520	21.3	45.7
570	30.7	38.4
620	35.2	38.8

VK-STACS9-83 PEGASUS 012 STN 5

R/V VIRGINIA KEY JDAY 211 TIME 0715Z

LATITUDE 26.99 N LONGITUDE 79.47 W

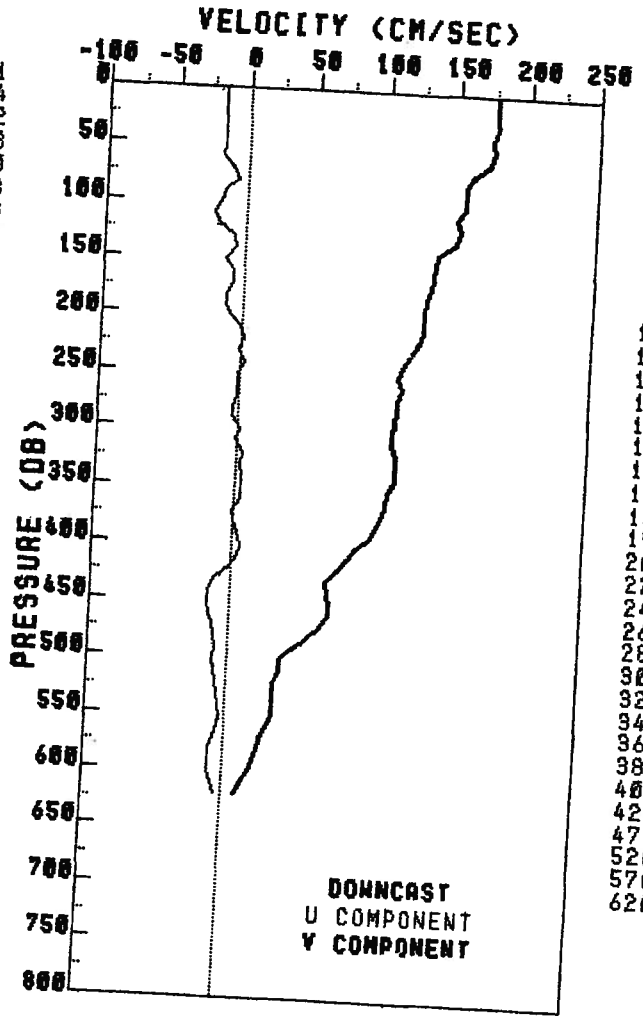


PRES	U	V
0	-19.8	151.1
10	3.3	144.4
20	-7.3	153.2
30	-2.4	148.8
40	1.7	145.0
50	-2.4	141.3
60	-5.4	145.8
70	-9.0	149.4
80	-7.7	141.0
90	-8.6	134.2
100	-8.1	133.9
110	-3.7	138.5
120	-1.1	135.8
130	-5.2	131.1
140	-1.1	118.8
150	5.1	108.8
160	2.8	106.1
170	-6.6	108.7
180	-11.6	110.3
190	-8.5	106.9
200	-12.9	107.1
220	-8.4	101.6
240	-7.1	104.8
260	1.9	105.4
280	2.9	100.9
300	8.0	88.6
320	10.3	86.1
340	4.5	86.2
360	0.7	81.6
380	-0.3	76.8
400	1.2	74.2
420	-3.8	65.7
470	-0.2	63.0
520	3.6	50.5
570	-8.8	39.0
620	6.3	32.1
670	6.4	25.7
720	-13.3	37.8

VK-STACS9-83 PEGASUS 013 STN 4

R/V VIRGINIA KEY JDAY 211 TIME 1126Z

LATITUDE 26.96 N LONGITUDE 79.58 W

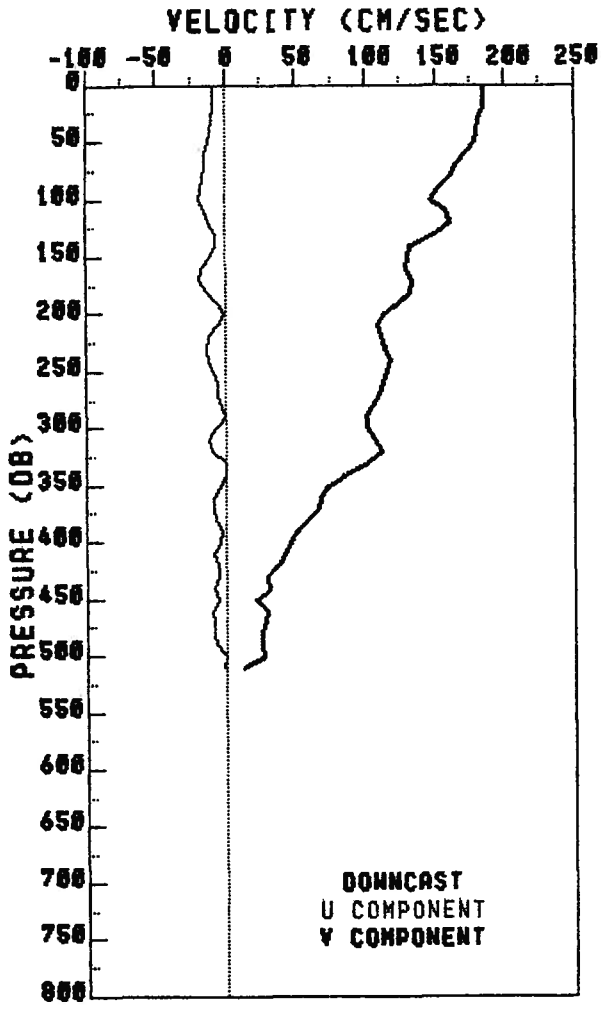


PRES	U	V
0	-17.1	176.5
10	-17.1	176.5
20	-17.1	176.5
30	-17.1	176.5
40	-17.5	174.5
50	-16.8	176.0
60	-18.0	172.4
70	-11.1	162.4
80	-6.9	156.4
90	-15.2	156.3
100	-18.4	155.8
110	-22.4	151.4
120	-18.4	154.1
130	-7.2	151.9
140	-6.1	138.7
150	-12.8	137.8
160	-8.0	136.1
170	-7.1	134.4
180	-11.1	132.3
190	-12.1	130.8
200	-9.0	130.7
220	1.4	127.8
240	3.1	116.6
260	-1.2	116.3
280	-3.2	113.7
300	1.9	111.1
320	5.1	113.5
340	5.0	114.5
360	4.6	108.7
380	-0.1	103.6
400	6.2	89.7
420	-0.7	76.9
470	-11.3	66.6
520	-8.4	35.3
570	-8.1	26.3
620	-4.5	9.9

VK-STACS9-83 PEGASUS 014 STN 3

R/V VIRGINIA KEY JDAY 211 TIME 1404Z

LATITUDE 26.98 N LONGITUDE 79.66 W

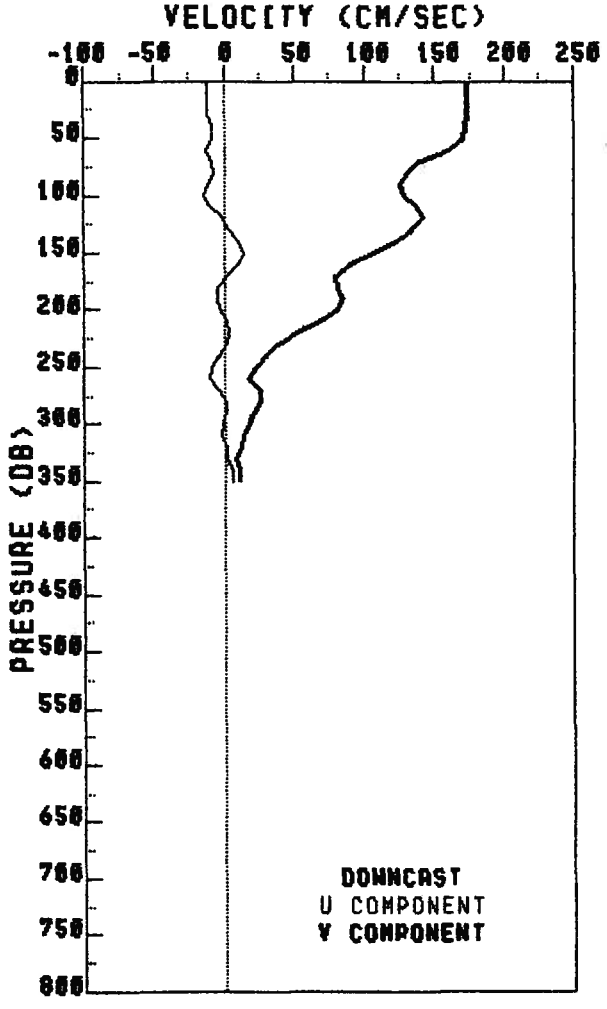


PRES	U	V
0	-8.2	186.7
10	-8.2	186.7
20	-8.5	186.5
30	-9.4	181.8
40	-10.3	180.5
50	-12.0	179.8
60	-15.5	172.3
70	-15.4	166.2
80	-16.2	161.9
90	-17.1	153.9
100	-18.5	147.5
110	-15.4	158.4
120	-11.9	161.5
130	-6.0	150.5
140	-6.7	132.8
150	-10.2	131.1
160	-17.9	130.1
170	-19.0	133.6
180	-14.0	132.3
190	-5.9	123.9
200	-1.5	115.4
220	-11.9	113.0
240	-11.8	119.1
260	-5.7	113.7
280	-2.3	105.6
300	-7.0	102.1
320	-9.8	112.8
340	0.6	86.2
360	-7.4	68.1
380	-6.1	60.7
400	-3.4	47.2
420	-5.7	38.2
470	-7.7	29.0

VK-STACS9-83 PEGASUS 015 STN 2

R/V VIRGINIA KEY JDAY 211 TIME 1637Z

LATITUDE 26.95 N LONGITUDE 79.75 W

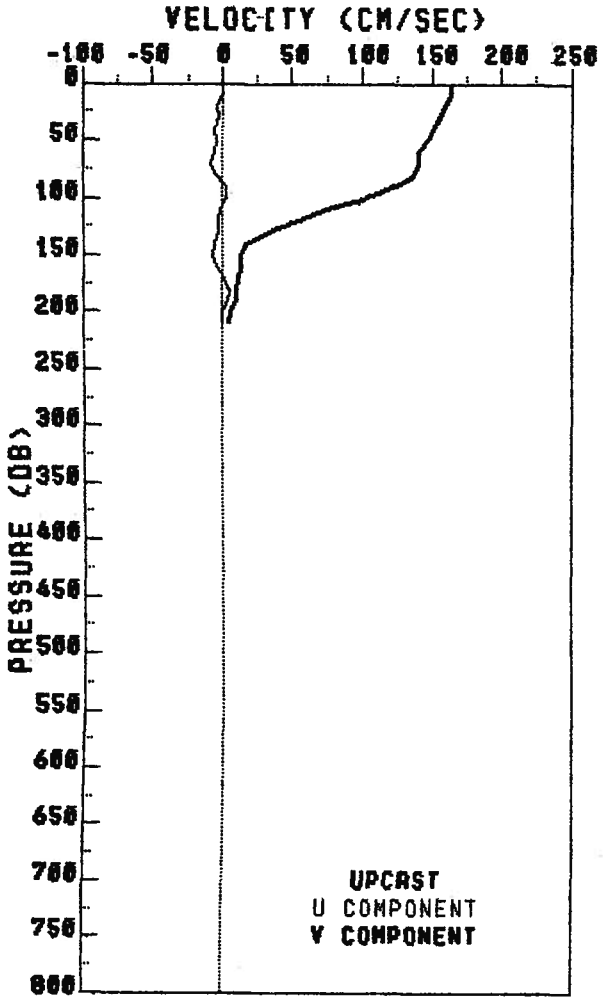


PRES	U	V
0	-11.7	174.7
10	-11.7	174.7
20	-11.7	174.7
30	-11.7	174.7
40	-8.8	172.6
50	-9.1	172.0
60	-12.6	160.8
70	-9.1	140.5
80	-7.8	131.7
90	-11.5	125.7
100	-15.0	128.6
110	-10.0	136.9
120	-1.3	142.1
130	3.9	135.1
140	10.4	124.2
150	14.1	107.3
160	10.7	89.7
170	1.4	80.3
180	-4.4	81.8
190	-5.0	84.8
200	-3.5	81.7
220	3.1	50.6
240	-3.8	30.8
260	-10.6	18.7
280	1.8	26.0
300	-0.3	18.7
320	1.3	12.4
340	5.7	11.3

VK-STACS9-83 PEGASUS 016 STN 1

R/V VIRGINIA KEY JDAY 211 TIME 1943Z

LATITUDE 26.99 N LONGITUDE 79.87 W

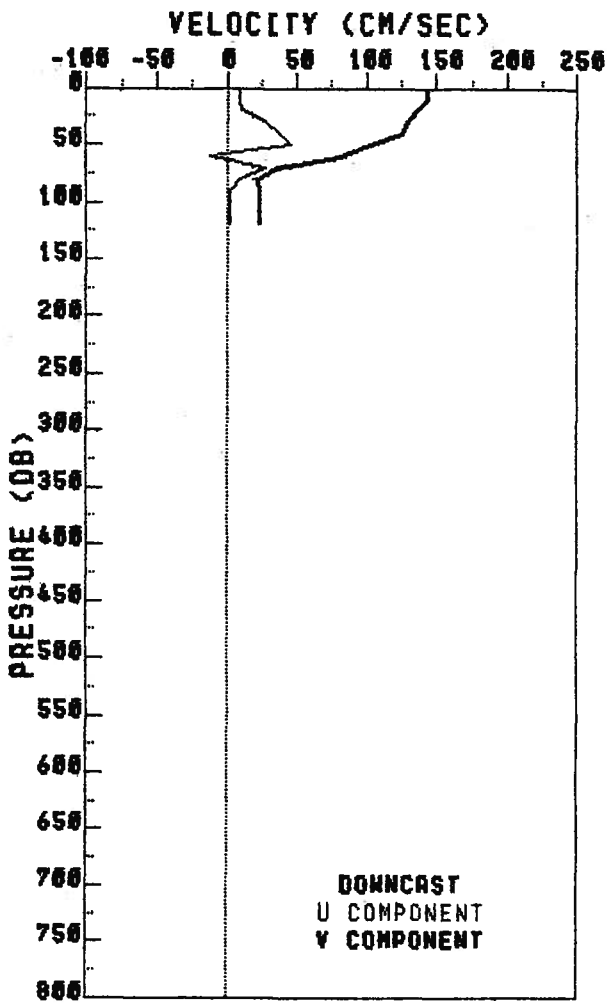


PRES	U	V
0	0.0	163.9
10	0.0	164.6
20	-3.2	159.9
30	-3.0	156.6
40	-5.2	152.4
50	-4.6	147.4
60	-4.8	141.4
70	-7.7	141.5
80	-3.3	136.4
90	3.4	121.8
100	3.0	99.5
110	-0.7	75.9
120	-2.6	55.5
130	-1.9	32.8
140	-4.7	17.9
150	-6.4	13.9
160	-3.8	14.2
170	1.3	12.4
180	5.1	11.5
190	4.7	10.5
200	0.7	7.4

VK-STACS9-83 PEGASUS 017 STN 0

R/V VIRGINIA KEY JDAY 211 TIME 2131Z

LATITUDE 26.97 N LONGITUDE 79.88 W

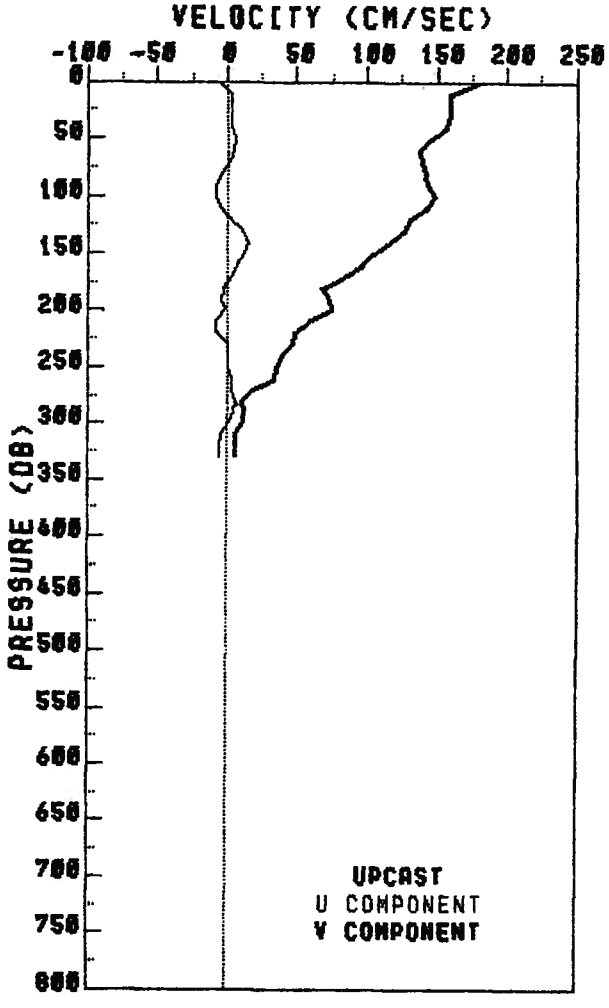


PRES	U	V
0	9.1	143.8
10	9.1	143.8
20	10.6	136.6
30	27.5	130.6
40	37.4	126.5
50	45.9	102.8
60	-12.1	80.9
70	27.9	35.4
80	8.1	22.9
90	2.3	24.4
100	2.3	24.4
110	2.3	24.4
120	2.3	24.4

VK-STACS9-83 PEGASUS 019 STN 2

R/V VIRGINIA KEY JDAY 212 TIME 0233Z

LATITUDE 26.96 N LONGITUDE 79.76 W

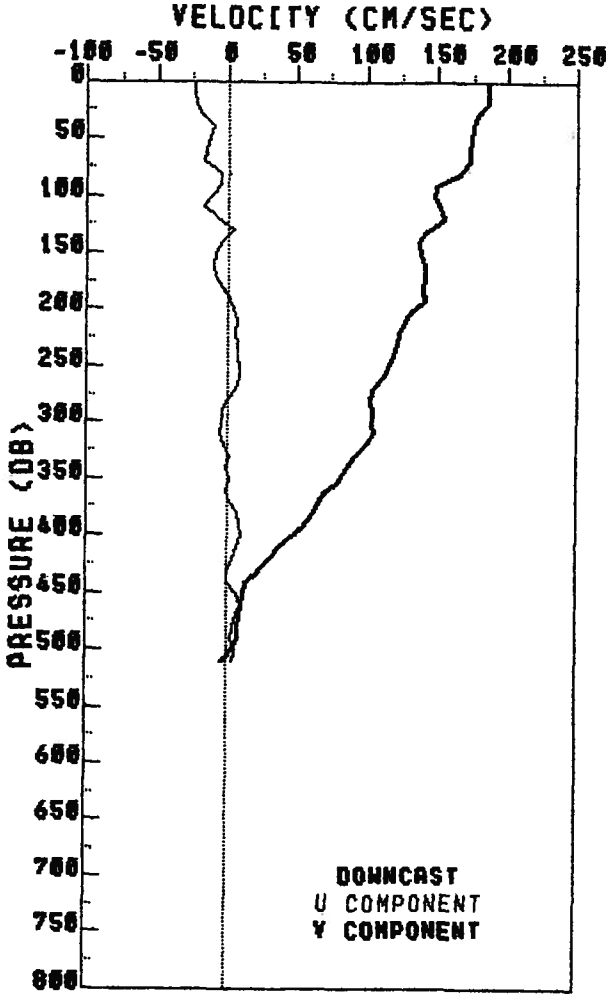


PRES	U	V
0	-5.6	180.0
10	2.3	160.3
20	2.3	160.3
30	2.3	160.3
40	2.3	156.8
50	5.9	145.9
60	4.2	137.7
70	1.3	139.9
80	-4.2	142.5
90	-7.9	144.0
100	-7.9	149.0
110	-4.7	143.9
120	1.4	132.1
130	10.6	127.6
140	15.3	116.7
150	12.1	106.1
160	7.3	97.2
170	3.5	83.7
180	-3.2	68.3
190	-3.3	74.2
200	-1.6	76.0
220	-8.6	50.0
240	0.4	39.3
260	2.8	34.5
280	5.0	11.5
300	2.0	12.7
320	-4.7	6.8

VK-STACS9-83 PEGASUS 020 STN 3

R/V VIRGINIA KEY JDAY 212 TIME 0539Z

LATITUDE 26.98 N LONGITUDE 79.67 W

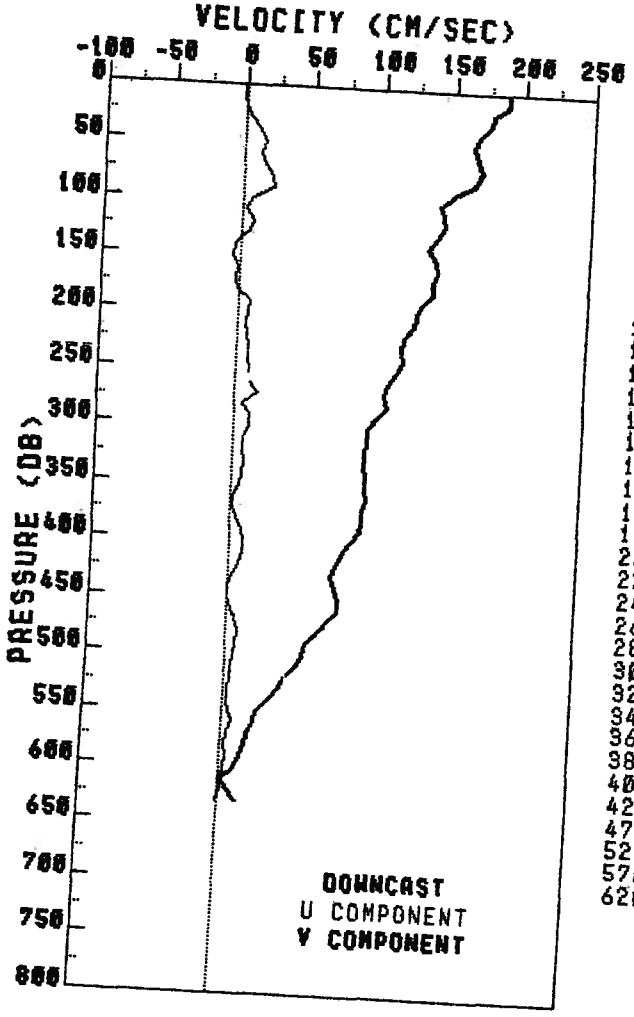


PRES	U	V
0	-23.9	187.1
10	-23.9	187.1
20	-22.6	187.0
30	-18.9	178.7
40	-10.6	175.9
50	-13.5	173.8
60	-15.7	173.5
70	-16.6	172.6
80	-4.6	165.7
90	-5.3	150.1
100	-11.2	147.6
110	-16.8	152.3
120	-8.2	154.4
130	4.7	143.2
140	-3.5	137.1
150	-9.1	138.8
160	-10.4	140.7
170	-8.9	141.3
180	-3.6	140.6
190	2.0	141.6
200	4.7	133.7
220	5.4	123.7
240	7.5	119.6
260	8.9	111.4
280	-0.9	102.5
300	-4.1	103.8
320	-2.6	100.9
340	-0.9	86.6
360	-0.6	71.2
380	7.6	69.2
400	9.6	47.4
420	4.3	31.7
470	7.4	9.9

VK-STACS9-83 PEGASUS 021 STN 4

R/V VIRGINIA KEY JDAY 212 TIME 0838Z

LATITUDE 26.97 N LONGITUDE 79.58 W

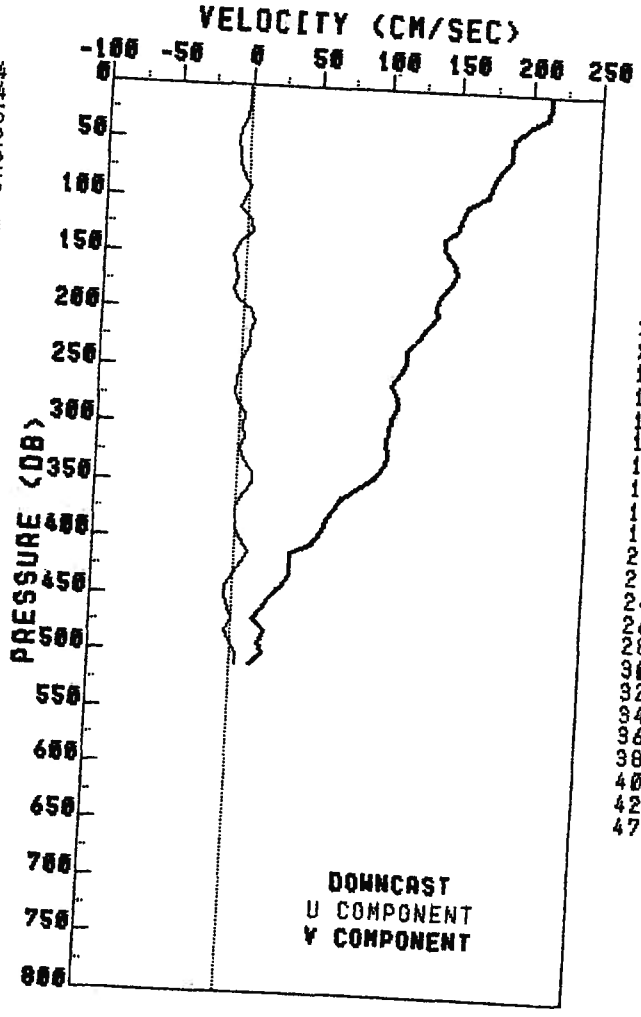


PRES	U	V
0	-1.5	188.4
10	-1.5	188.4
20	0.2	178.5
30	3.8	176.2
40	11.4	168.2
50	14.9	165.5
60	13.0	168.1
70	14.8	171.0
80	21.4	166.4
90	21.5	152.6
100	5.8	141.9
110	2.8	145.5
120	8.9	146.2
130	4.2	141.5
140	-4.5	135.6
150	-4.6	140.8
160	-1.3	142.4
170	-2.0	139.2
180	-0.8	139.7
190	8.7	131.4
200	7.5	128.2
220	7.7	120.8
240	9.0	121.1
260	10.0	110.6
280	5.7	110.4
300	11.5	96.9
320	7.3	96.6
340	7.5	97.2
360	1.3	99.3
380	4.3	95.3
400	9.6	88.0
420	7.1	78.1
470	5.9	74.2
520	5.0	43.7
570	4.6	19.1
620	1.5	7.2

VK-STACS9-83 PEGASUS 022 STN 3

R/V VIRGINIA KEY JDAY 212 TIME 1127Z

LATITUDE 26.99 N LONGITUDE 79.67 W

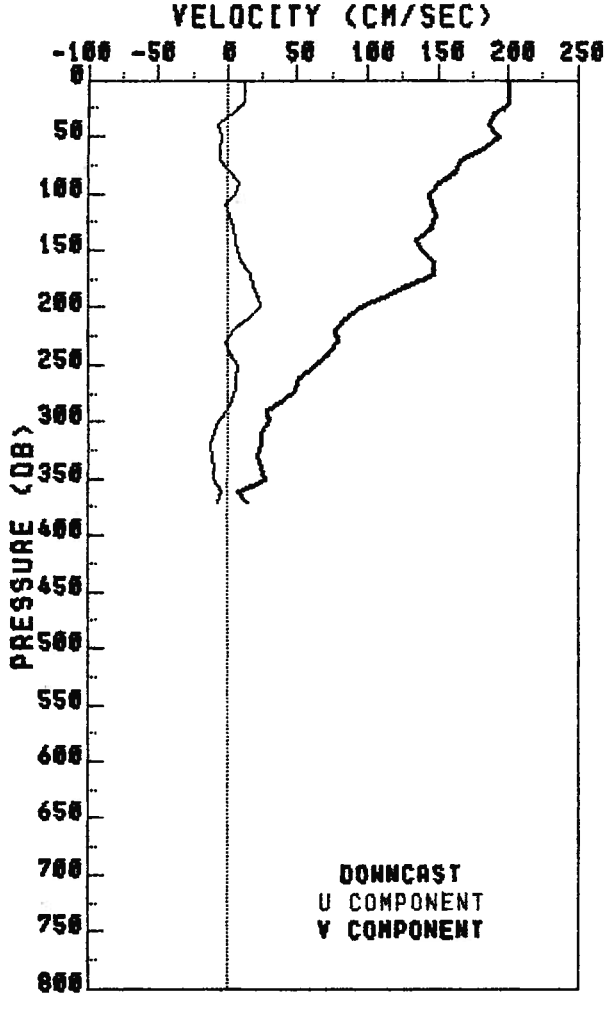


PRES	U	V
0	-1.2	214.1
10	-1.2	214.1
20	-1.2	212.6
30	-2.6	198.1
40	-6.6	189.6
50	-7.3	188.0
60	-6.0	187.3
70	-6.2	179.0
80	-2.9	175.1
90	1.9	173.3
100	-2.3	159.8
110	-4.7	155.3
120	3.2	152.5
130	5.2	142.2
140	-5.2	142.7
150	-9.0	149.7
160	-5.7	152.0
170	-5.3	148.6
180	-7.1	140.9
190	-3.0	139.2
200	6.5	140.5
220	6.6	128.1
240	2.2	119.4
260	-2.8	110.1
280	-1.1	114.2
300	3.2	108.5
320	1.4	108.3
340	11.2	99.8
360	5.1	76.5
380	0.9	65.7
400	4.5	56.1
420	5.5	41.4
470	0.6	16.5

VK-STACS9-83 PEGASUS 023 STN 2

R/V VIRGINIA KEY JDAY 212 TIME 1445Z

LATITUDE 26.96 N LONGITUDE 79.75 W

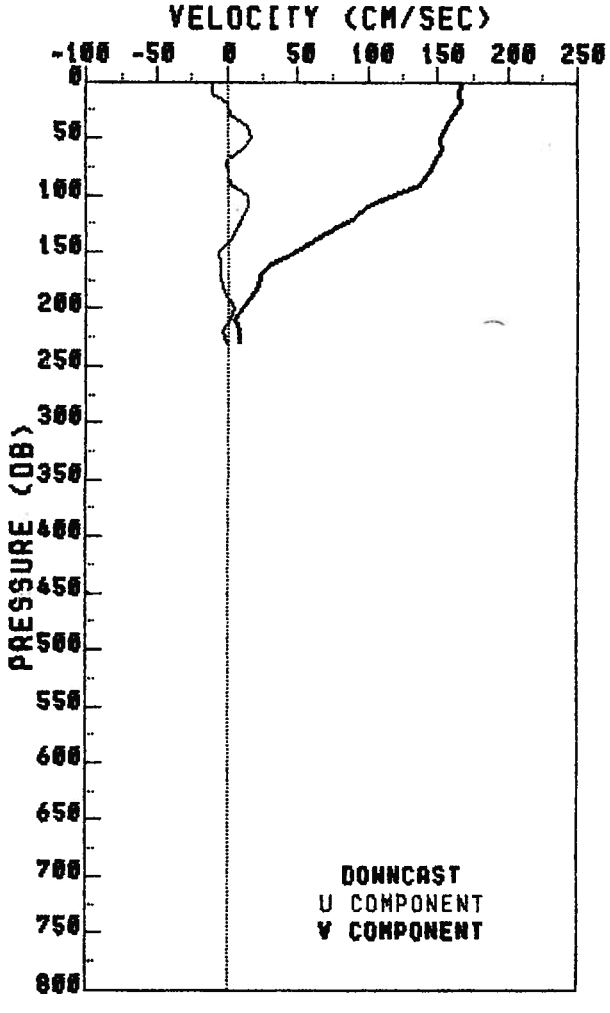


PRES	U	V
0	12.0	201.4
10	12.0	201.4
20	12.0	201.4
30	4.0	191.9
40	-6.3	188.1
50	-3.4	193.8
60	-5.1	182.9
70	-4.9	166.5
80	1.1	162.5
90	8.2	152.6
100	5.8	145.2
110	-1.4	146.5
120	2.0	149.8
130	4.5	146.1
140	5.3	135.8
150	7.0	139.9
160	10.1	148.1
170	16.5	147.4
180	18.2	128.6
190	22.8	111.6
200	23.1	94.6
220	4.8	78.6
240	1.8	72.5
260	5.9	52.2
280	2.5	39.9
300	-6.3	30.0
320	-12.1	24.3
340	-8.7	24.9
360	-4.3	9.0

VK-STACS9-83 PEGASUS 024 STN 1

R/V VIRGINIA KEY JDAY 212 TIME 1654Z

LATITUDE 26.97 N LONGITUDE 79.83 W

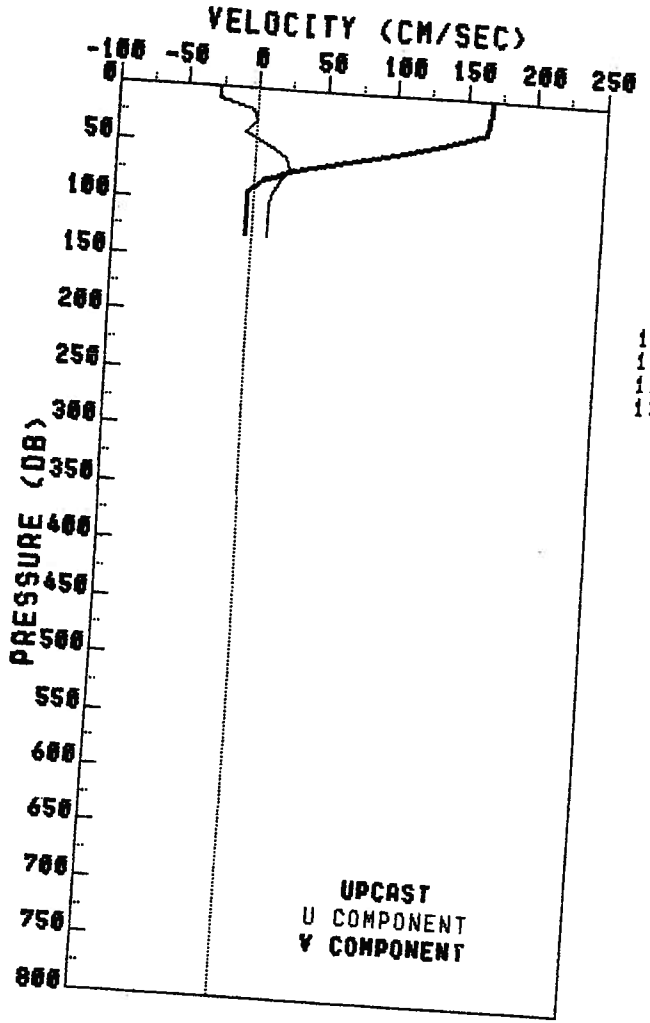


PRES	U	V
0	-10.5	167.2
10	-9.7	166.0
20	0.6	167.1
30	2.3	162.3
40	13.7	155.8
50	16.5	151.7
60	10.6	153.7
70	-0.6	148.8
80	1.0	144.3
90	2.0	137.3
100	13.9	115.1
110	14.7	98.4
120	9.4	89.0
130	6.0	73.7
140	1.8	60.1
150	-5.7	46.8
160	-5.5	31.4
170	-5.3	24.1
180	-3.5	22.0
190	0.4	16.6
200	5.3	11.0
220	-3.3	8.6

VK-STACS9-83 PEGASUS 025 STN 0

R/V VIRGINIA KEY JDAY 212 TIME 1819Z

LATITUDE 26.98 N LONGITUDE 79.92 W

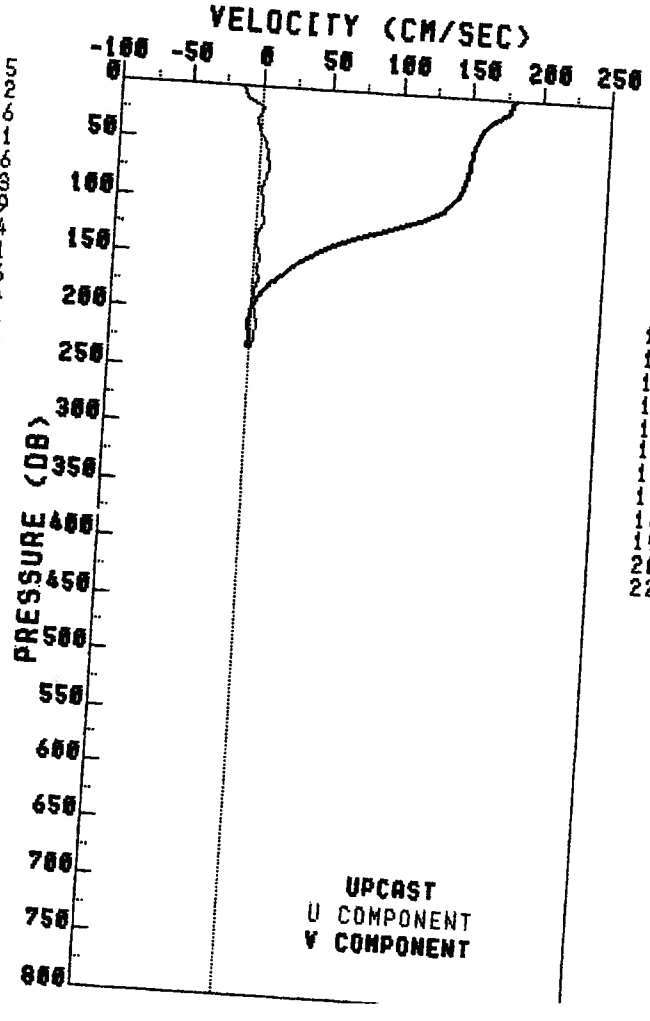


PRES	U	V
0	-27.5	168.5
10	-27.3	168.2
20	-2.8	167.6
30	0.8	165.1
40	-7.3	137.6
50	10.2	107.3
60	22.2	65.9
70	25.3	28.4
80	18.4	6.1
90	14.3	-3.6
100	11.3	-4.4
110	11.3	-4.4
120	11.3	-4.4
130	11.3	-4.4

VK-STACS9-83 PEGASUS 026 STN 1

R/V VIRGINIA KEY JDAY 212 TIME 2024Z

LATITUDE 26.98 N LONGITUDE 79.85 W

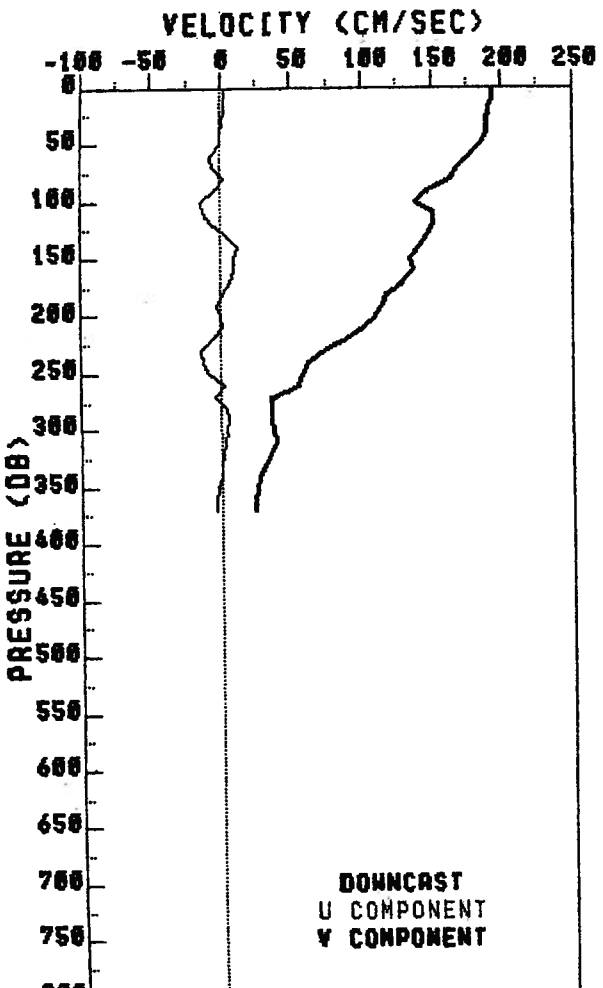


PRES	U	V
0	-12.7	180.9
10	-10.2	178.7
20	2.2	167.2
30	-2.8	159.5
40	-0.9	155.4
50	4.5	152.1
60	6.7	151.0
70	7.1	149.3
80	5.4	147.4
90	3.6	142.6
100	4.2	135.1
110	5.0	120.8
120	5.4	96.8
130	1.7	70.8
140	1.9	49.4
150	4.8	35.7
160	3.9	25.6
170	4.2	15.1
180	2.5	8.4
190	0.5	2.8
200	3.1	-0.1
220	2.9	-0.1

VK-STACS9-83 PEGASUS 027 STN 2

R/V VIRGINIA KEY JDAY 212 TIME 2249Z

LATITUDE 26.94 N LONGITUDE 79.73 W

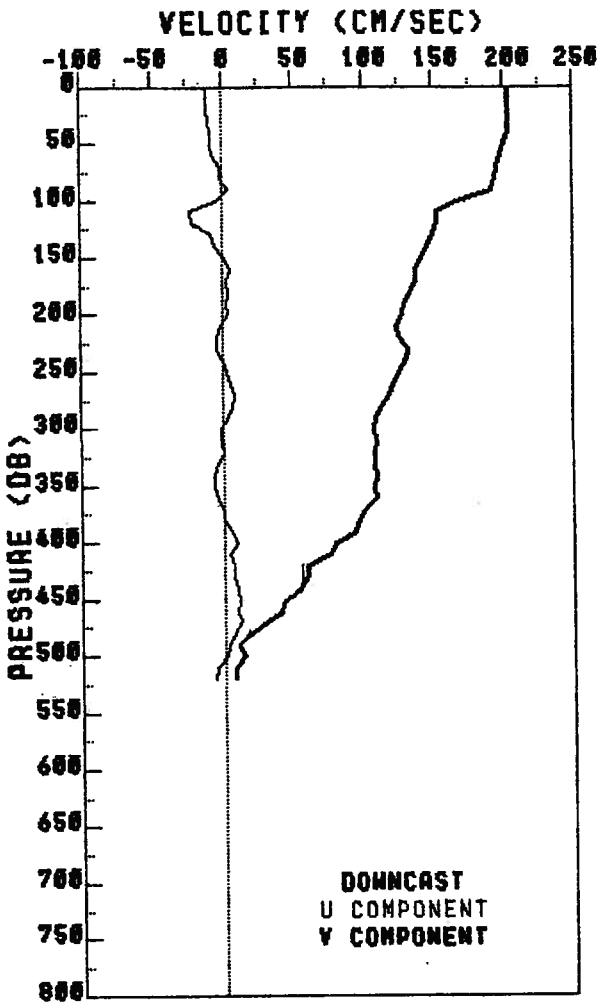


PRES	U	V
0	2.3	194.0
10	2.3	194.0
20	3.2	192.1
30	2.0	190.1
40	0.2	190.7
50	-0.2	185.9
60	-6.4	178.3
70	-5.2	170.3
80	2.8	164.8
90	-4.0	147.6
100	-12.8	140.1
110	-12.2	151.9
120	-6.4	152.0
130	4.7	147.4
140	12.9	143.0
150	10.2	135.7
160	9.3	138.4
170	6.7	130.6
180	1.5	119.7
190	-2.1	115.8
200	0.5	110.4
220	-5.7	88.9
240	-12.3	62.5
260	2.5	56.4
280	4.6	36.5
300	3.7	39.1
320	1.9	35.3
340	0.1	28.0
360	-3.5	25.5

VK-STACS9-83 PEGASUS 028 STN 3

R/V VIRGINIA KEY JDAY 213 TIME 0350Z

LATITUDE 26.99 N LONGITUDE 79.66 W

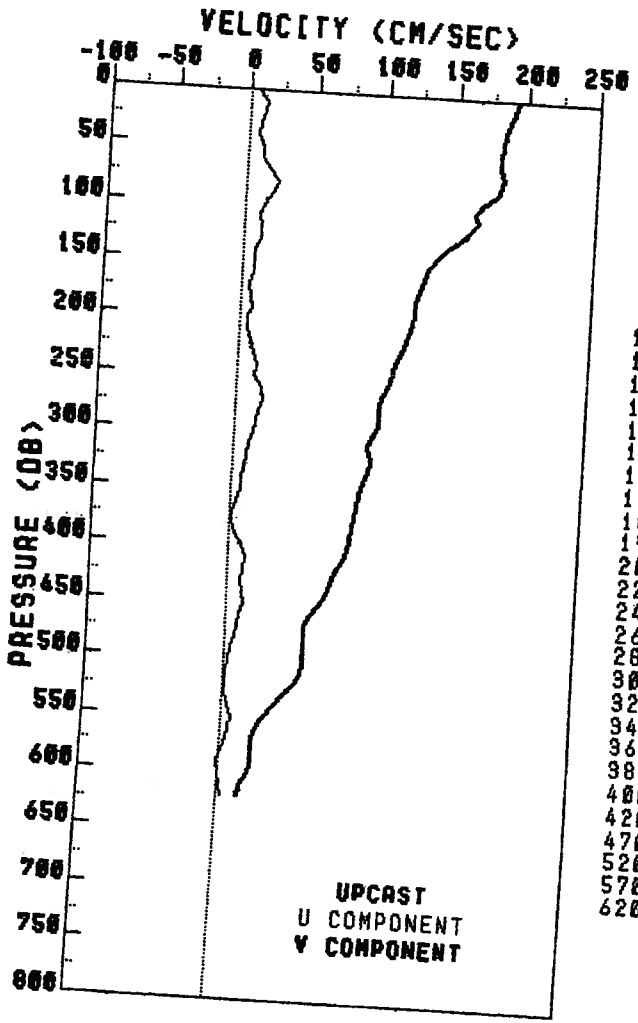


PRES	U	V
0	-10.1	203.9
10	-10.1	203.9
20	-10.1	203.9
30	-9.2	203.6
40	-7.2	203.8
50	-8.3	201.3
60	-6.7	199.4
70	-0.9	195.6
80	-1.5	194.4
90	4.4	191.4
100	-3.9	167.8
110	-22.3	154.0
120	-21.3	153.1
130	-8.1	150.8
140	-4.9	146.3
150	2.5	142.3
160	5.6	139.3
170	3.8	138.5
180	4.2	134.7
190	3.1	130.0
200	4.2	128.4
220	-3.4	126.1
240	1.2	132.2
260	6.2	121.6
280	6.9	113.8
300	-0.9	108.8
320	-0.1	108.2
340	-6.6	110.3
360	-3.5	110.1
380	0.1	97.7
400	10.0	81.6
420	7.5	60.5
470	12.9	31.2
520	-5.9	8.4

VK-STACS9-83 PEGASUS 029 STN 4

R/V VIRGINIA KEY JDAY 213 TIME 0647Z

LATITUDE 26.96 N LONGITUDE 79.59 W

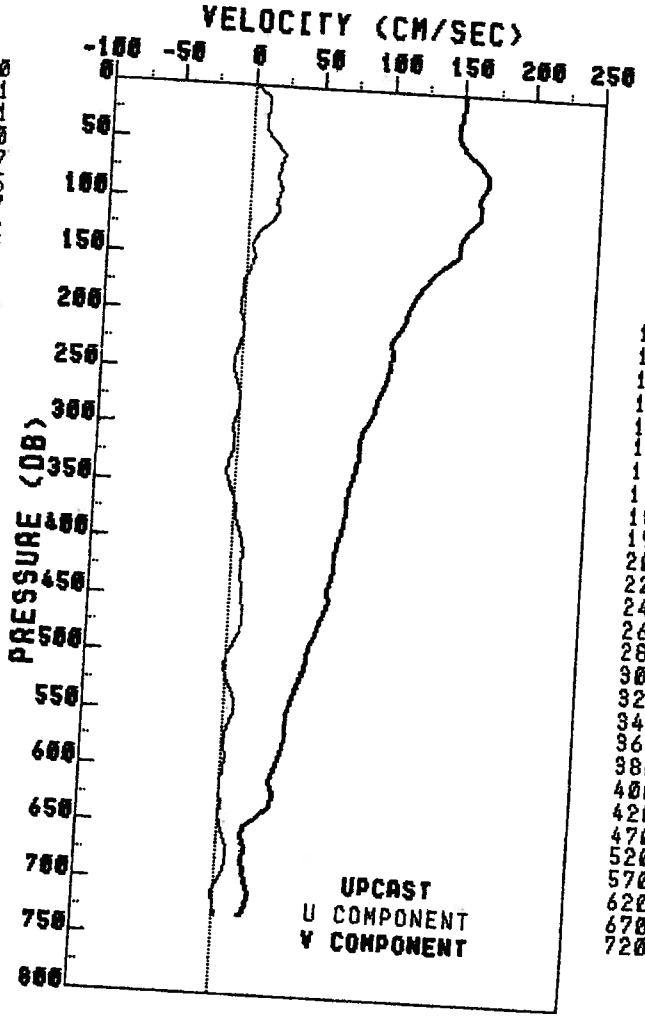


PRES	U	V
0	5.8	193.0
10	13.0	190.1
20	11.7	187.1
30	8.1	185.0
40	6.8	183.7
50	11.5	181.5
60	11.7	182.7
70	16.6	185.2
80	23.1	182.5
90	19.3	172.3
100	14.5	165.9
110	11.4	168.6
120	13.2	159.6
130	13.1	149.2
140	8.1	141.2
150	7.9	134.1
160	9.0	132.0
170	6.2	129.0
180	7.2	126.3
190	8.1	126.5
200	5.7	124.7
220	8.2	119.2
240	13.3	112.7
260	17.4	106.6
280	16.1	104.8
300	13.7	100.1
320	9.5	99.7
340	7.3	95.4
360	4.5	92.2
380	1.7	88.9
400	9.4	86.5
420	11.5	77.5
470	8.2	57.4
520	1.8	52.1
570	3.8	24.1
620	2.7	15.3

VK-STACS9-83 PEGASUS 030 STN 5

R/V VIRGINIA KEY JDAY 213 TIME 0937Z

LATITUDE 26.98 N LONGITUDE 79.48 W

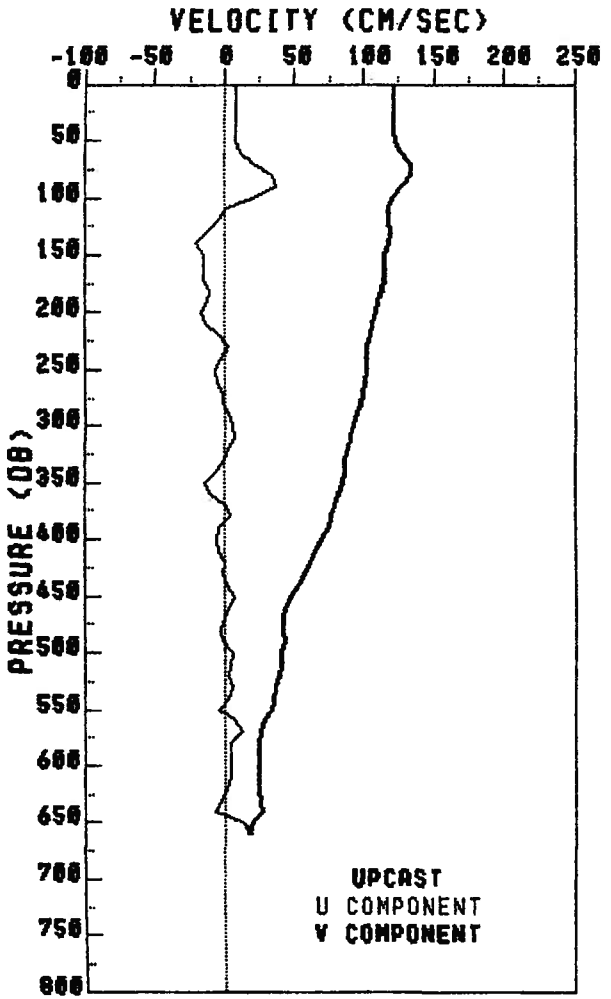


PRES	U	V
0	-0.1	151.4
10	10.9	151.3
20	10.9	149.7
30	10.5	147.8
40	10.0	148.6
50	16.3	154.3
60	23.5	162.6
70	20.9	169.4
80	19.3	169.6
90	22.3	165.1
100	19.6	165.4
110	20.4	165.5
120	16.6	157.7
130	6.8	152.8
140	2.8	151.9
150	6.3	143.1
160	3.1	134.1
170	-0.4	127.9
180	-1.1	122.7
190	-2.5	118.3
200	-2.1	117.1
220	0.9	107.1
240	-4.8	107.8
260	-2.8	103.0
280	0.0	97.4
300	-2.9	89.9
320	-2.5	88.3
340	-6.0	85.3
360	0.7	81.1
380	2.0	80.4
400	7.1	76.3
420	7.9	74.3
470	10.2	66.2
520	0.1	54.5
570	2.1	45.7
620	0.7	38.6
670	7.2	21.2
720	-0.1	23.6

VK-STACS9-83 PEGASUS 032 STN 6

R/V VIRGINIA KEY JDAY 213 TIME 1347Z

LATITUDE 26.98 N LONGITUDE 79.36 W

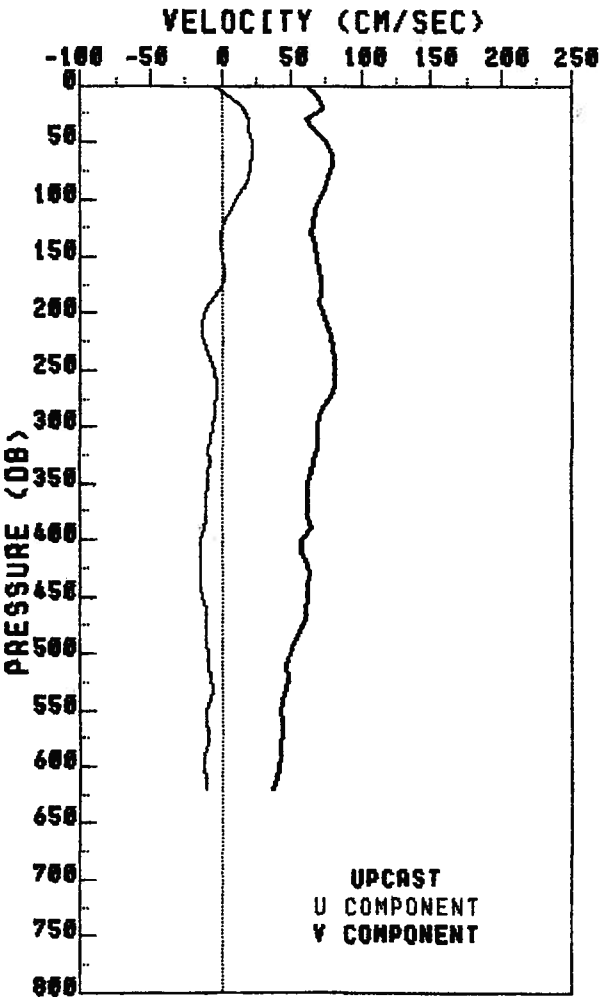


PRES	U	V
0	8.9	122.4
10	8.9	122.4
20	8.9	122.4
30	8.9	122.4
40	8.9	122.4
50	8.7	123.1
60	11.0	128.0
70	21.3	134.1
80	35.0	134.1
90	37.7	127.6
100	21.1	120.9
110	1.1	117.8
120	-3.2	117.5
130	-12.6	119.5
140	-20.1	118.2
150	-14.3	114.5
160	-14.7	114.4
170	-14.2	114.4
180	-10.7	113.3
190	-12.2	111.3
200	-16.0	109.1
220	-3.8	105.2
240	-2.0	102.8
260	-4.9	102.0
280	-0.6	98.8
300	5.7	93.4
320	3.5	88.9
340	-5.7	85.7
360	-9.0	82.5
380	4.6	76.8
400	-5.2	70.6
420	0.2	61.3
470	0.5	42.7
520	2.7	39.3
570	12.0	26.6
620	1.6	25.2

VK-STACS9-83 PEGASUS 033 STN 7

R/V VIRGINIA KEY JDAY 213 TIME 1557Z

LATITUDE 26.98 N LONGITUDE 79.26 W

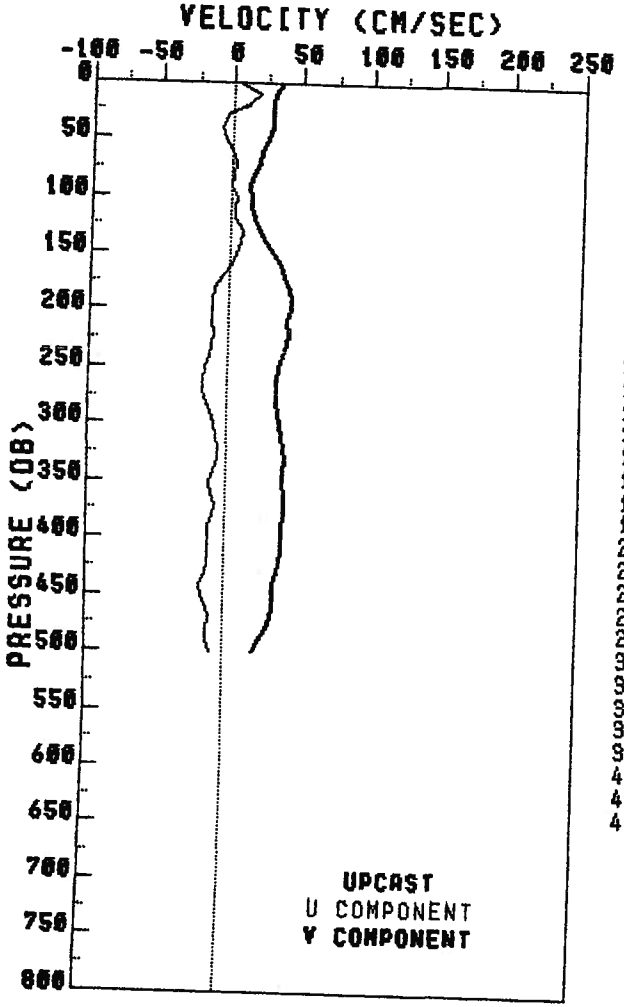


PRES	U	V
0	-4.7	61.9
10	7.4	70.1
20	16.0	73.2
30	19.3	60.8
40	19.0	67.0
50	22.0	75.6
60	22.9	79.3
70	21.0	79.3
80	19.4	77.3
90	15.8	74.8
100	10.6	69.7
110	7.0	66.9
120	2.2	66.7
130	-1.0	65.3
140	-0.8	67.1
150	0.9	69.2
160	2.2	70.5
170	1.4	72.1
180	-2.5	71.9
190	-8.1	70.8
200	-11.9	73.4
220	-12.5	77.9
240	-8.0	80.8
260	-3.3	81.5
280	-4.3	75.0
300	-5.8	69.5
320	-8.5	69.2
340	-8.7	65.1
360	-11.0	62.2
380	-10.3	62.6
400	-13.9	58.4
420	-14.0	61.7
470	-10.2	60.2
520	-7.7	48.1
570	-8.6	44.8
620	-10.8	38.0

VK-STACS9-83 PEGASUS 034 STN 8

R/V VIRGINIA KEY JDAY 213 TIME 1810Z

LATITUDE 26.99 N LONGITUDE 79.19 W

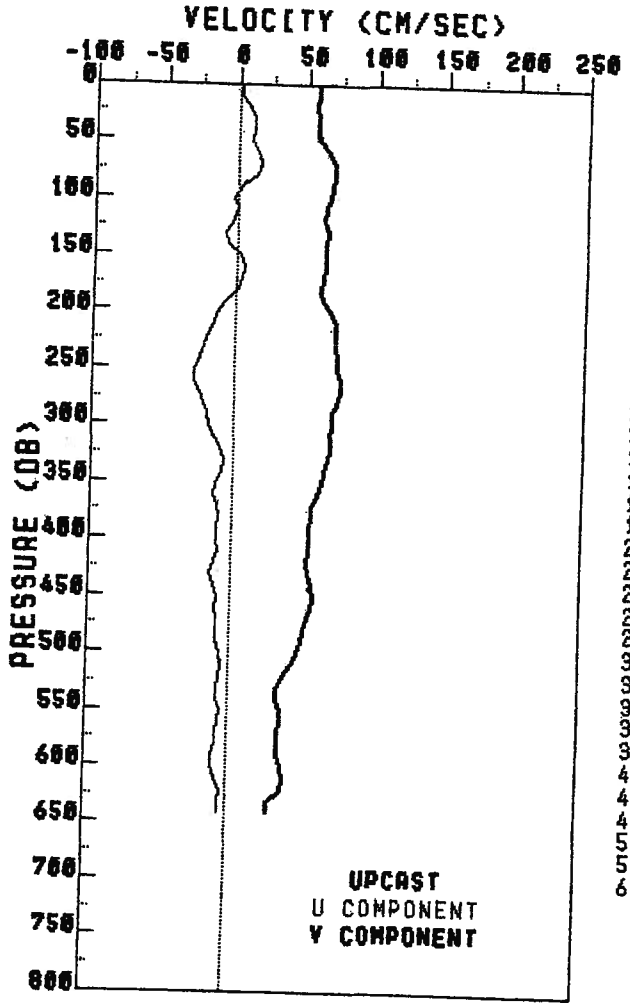


PRES	U	V
0	4.3	36.9
10	19.2	30.1
20	10.6	28.6
30	-3.4	29.1
40	-8.1	29.2
50	-5.4	25.6
60	-0.3	22.6
70	2.5	20.1
80	0.9	16.3
90	0.7	14.4
100	4.0	15.1
110	3.3	15.6
120	3.3	17.7
130	8.0	21.7
140	7.4	25.8
150	3.9	31.5
160	1.1	36.6
170	-5.6	40.2
180	-11.2	43.8
190	-12.1	45.9
200	-12.4	44.8
220	-11.2	43.7
240	-13.9	39.8
260	-17.9	35.6
280	-14.4	35.4
300	-9.4	38.7
320	-5.9	41.6
340	-9.3	41.7
360	-10.9	42.0
380	-9.6	42.0
400	-12.5	40.9
420	-11.6	40.4
470	-11.1	34.9

VK-STACS9-83 PEGASUS 035 STN 7

R/V VIRGINIA KEY JDAY 213 TIME 2004Z

LATITUDE 26.96 N LONGITUDE 79.27 W

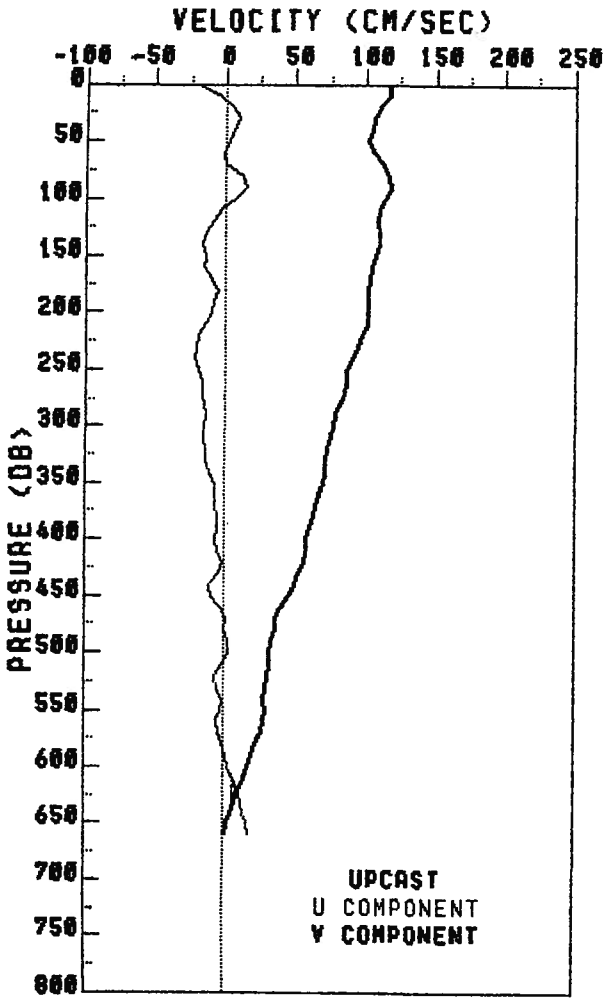


PRES	U	V
0	1.6	58.1
10	1.6	58.1
20	7.2	56.9
30	12.0	58.4
40	10.9	58.1
50	10.3	59.4
60	13.8	66.2
70	16.8	70.6
80	13.7	70.6
90	2.9	68.9
100	-2.3	67.3
110	-0.1	64.8
120	-1.5	63.6
130	-7.2	65.7
140	-6.0	65.0
150	2.7	65.3
160	5.5	65.2
170	5.1	63.1
180	1.4	61.8
190	-5.8	63.2
200	-11.2	69.5
220	-18.1	72.5
240	-24.2	74.1
260	-28.5	76.7
280	-21.6	74.0
300	-16.7	71.5
320	-8.9	70.0
340	-8.2	66.5
360	-12.7	61.7
380	-8.9	57.3
400	-10.3	56.0
420	-11.2	55.7
470	-9.7	55.9
520	-6.4	40.1
570	-8.0	37.0
620	-3.3	40.4

VK-STACS9-83 PEGASUS 036 STN 6

R/V VIRGINIA KEY JDAY 213 TIME 2206Z

LATITUDE 26.99 N LONGITUDE 79.36 W

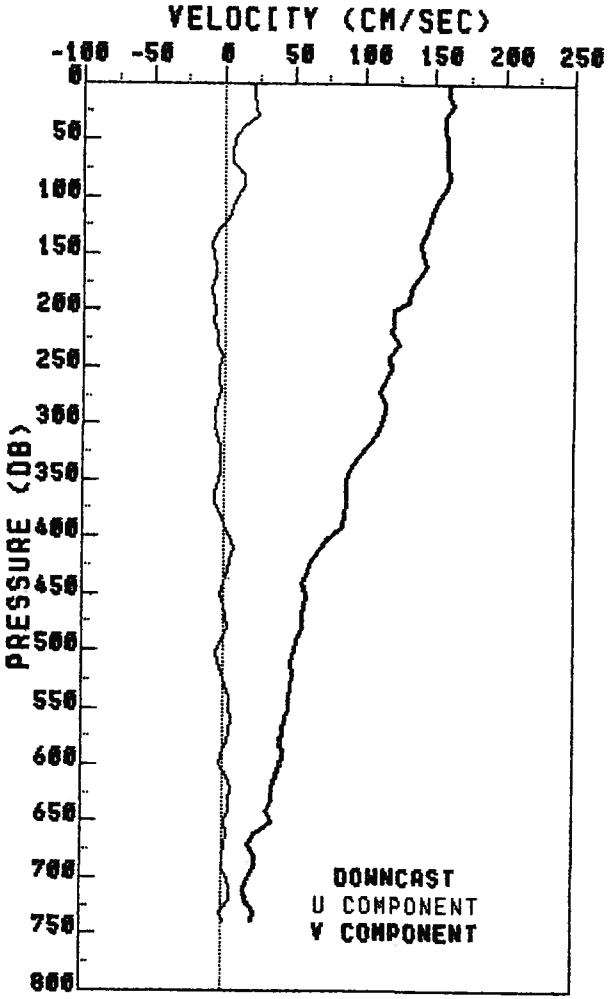


PRES	U	V
0	-19.7	117.4
10	-4.3	117.8
20	4.4	110.6
30	9.4	107.5
40	5.9	105.5
50	3.2	103.0
60	-0.9	107.1
70	0.6	114.1
80	12.6	117.3
90	15.4	118.9
100	6.7	115.7
110	-2.3	111.1
120	-7.4	109.8
130	-13.7	110.4
140	-15.8	110.6
150	-12.9	108.8
160	-14.9	105.9
170	-9.8	104.0
180	-5.0	103.2
190	-7.4	102.5
200	-9.2	103.3
220	-18.4	99.0
240	-21.7	92.2
260	-16.1	87.5
280	-14.5	82.9
300	-15.2	77.6
320	-13.3	74.5
340	-10.4	72.2
360	-6.4	69.0
380	-5.4	64.1
400	-6.8	59.0
420	-1.0	57.5
470	1.2	37.8
520	-6.3	31.3
570	-4.3	27.1
620	10.4	10.6

VK-STACS9-83 PEGASUS 037 STN 5

R/V VIRGINIA KEY JDAY 214 TIME 0029Z

LATITUDE 26.98 N LONGITUDE 79.47 W

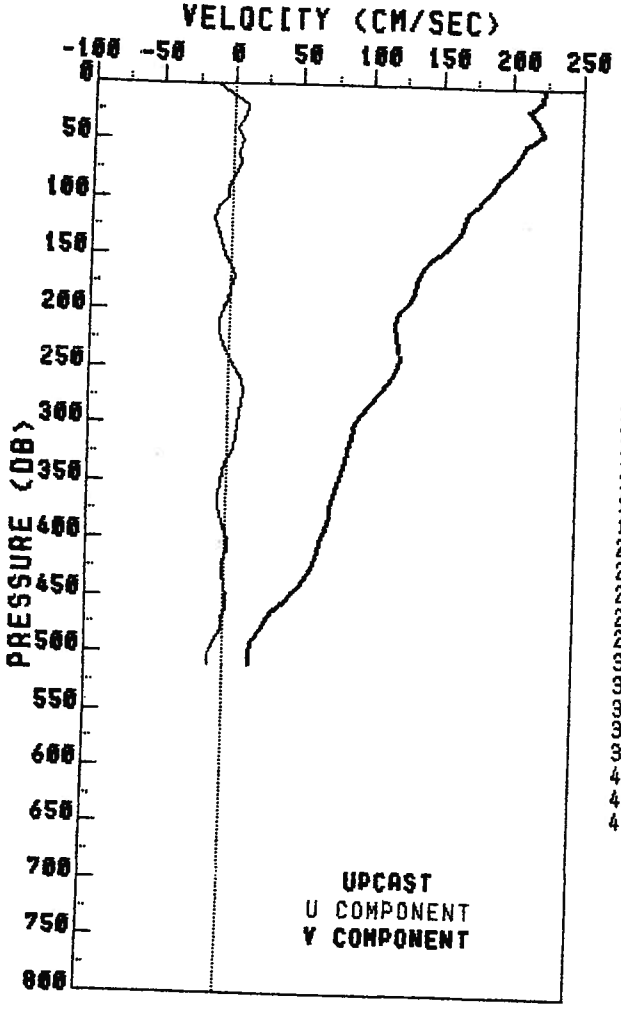


PRES	U	V
0	21.2	160.6
10	21.2	160.6
20	22.8	163.3
30	23.6	157.1
40	13.2	157.9
50	7.6	159.0
60	5.9	158.6
70	6.6	159.6
80	14.3	160.2
90	14.8	159.4
100	9.1	153.4
110	6.3	150.1
120	3.9	146.6
130	-5.5	144.0
140	-9.6	140.6
150	-7.8	140.9
160	-6.3	143.9
170	-5.7	138.8
180	-8.8	133.8
190	-8.3	131.6
200	-6.1	121.2
220	-4.3	119.7
240	-1.4	117.8
260	-3.0	115.8
280	-4.6	114.8
300	-5.9	112.2
320	-2.9	103.3
340	-2.2	90.3
360	-5.9	87.7
380	-2.8	86.5
400	5.1	75.9
420	4.6	63.8
470	2.5	57.1
520	-0.6	49.2
570	4.7	42.9
620	5.6	36.5
670	2.0	20.1
720	5.4	18.2

VK-STACS9-83 PEGASUS 039 STN 3

R/V VIRGINIA KEY JDAY 214 TIME 0624Z

LATITUDE 26.98 N LONGITUDE 79.67 W

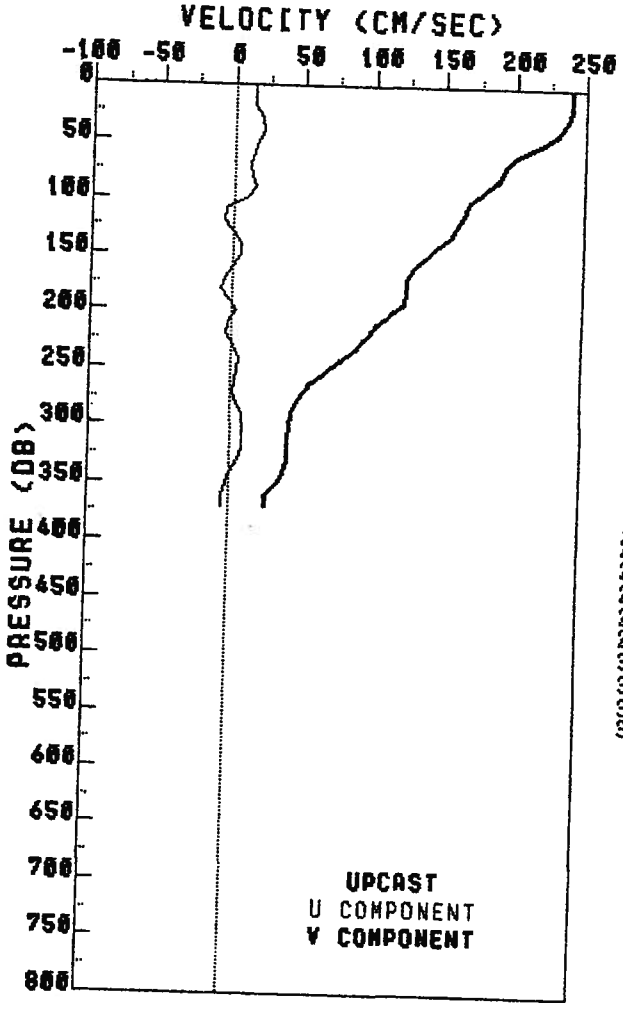


PRES	U	V
0	-12.7	222.6
10	-1.2	221.2
20	9.6	212.5
30	7.8	219.1
40	3.2	222.8
50	6.7	210.7
60	4.1	206.9
70	5.9	201.6
80	1.3	193.1
90	-1.9	187.1
100	-3.0	179.1
110	-8.8	170.9
120	-11.5	167.9
130	-9.8	165.8
140	-6.8	157.5
150	-3.5	146.3
160	0.5	140.1
170	2.5	135.6
180	0.0	134.6
190	-1.8	130.1
200	-3.3	122.8
220	-6.3	121.7
240	-0.4	124.6
260	9.2	116.8
280	10.4	103.2
300	7.4	92.3
320	4.3	88.3
340	-3.0	83.3
360	-5.0	77.9
380	-4.2	75.6
400	2.1	68.1
420	-0.5	64.7
470	-0.6	32.1

VK-STACS9-83 PEGASUS 040 STN 2

R/V VIRGINIA KEY JDAY 214 TIME 0921Z

LATITUDE 26.96 N LONGITUDE 79.76 W

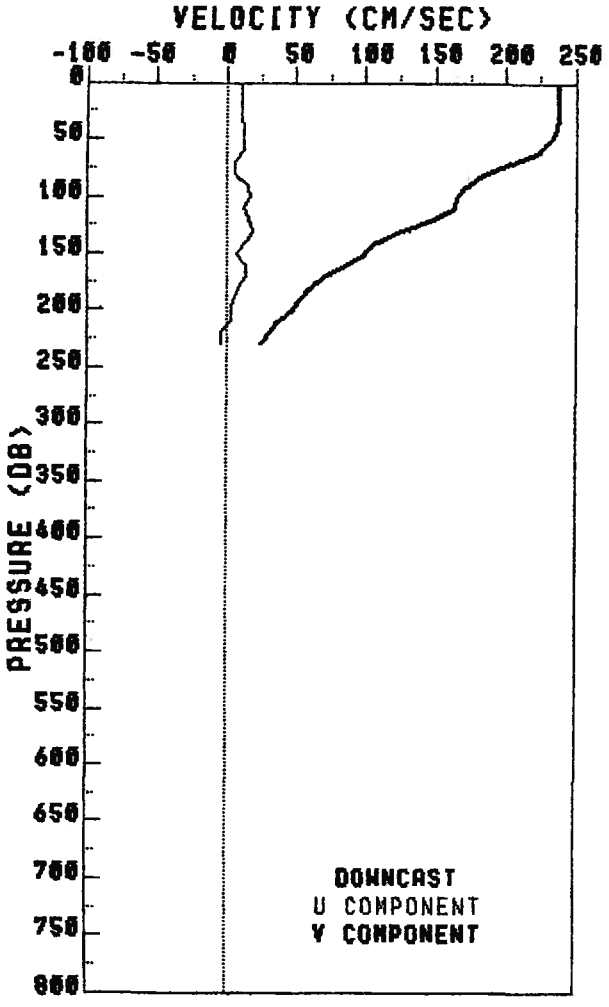


PRES	U	V
0	13.7	240.2
10	13.7	240.2
20	13.7	240.2
30	19.5	236.5
40	21.5	230.4
50	16.8	218.3
60	14.7	201.6
70	12.1	193.9
80	12.8	188.7
90	15.9	177.7
100	8.1	168.9
110	-4.4	165.7
120	-6.7	162.5
130	0.3	155.9
140	5.4	147.1
150	5.8	138.4
160	0.6	129.9
170	-5.3	125.2
180	-7.0	125.5
190	-0.7	124.0
200	3.5	114.7
220	-4.2	98.8
240	5.6	79.6
260	2.7	59.8
280	4.3	47.5
300	8.8	42.5
320	9.2	42.1
340	1.2	39.0
360	-5.3	26.5

VK-STACS9-83 PEGASUS 043 STN 1

R/V VIRGINIA KEY JDAY 214 TIME 1258Z

LATITUDE 26.97 N LONGITUDE 79.84 W

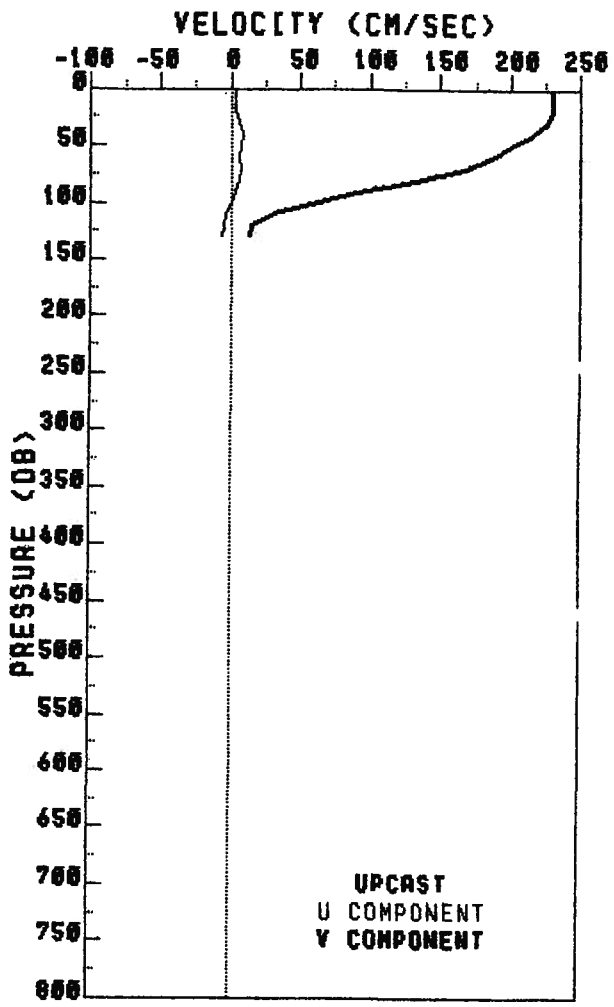


PRES	U	V
0	10.7	238.3
10	10.7	238.3
20	10.7	238.3
30	10.7	238.5
40	13.1	237.1
50	13.0	232.8
60	13.1	224.4
70	6.2	203.6
80	5.6	184.0
90	14.7	172.2
100	17.0	165.6
110	11.9	164.3
120	15.4	148.8
130	18.3	126.1
140	13.2	108.1
150	7.1	100.4
160	13.6	85.4
170	13.9	70.6
180	8.7	60.2
190	4.5	53.8
200	3.4	48.0
220	-4.2	32.1

VK-STACS9-83 PEGASUS 044 STN 0

R/V VIRGINIA KEY JDAY 214 TIME 1511Z

LATITUDE 26.99 N LONGITUDE 79.93 W

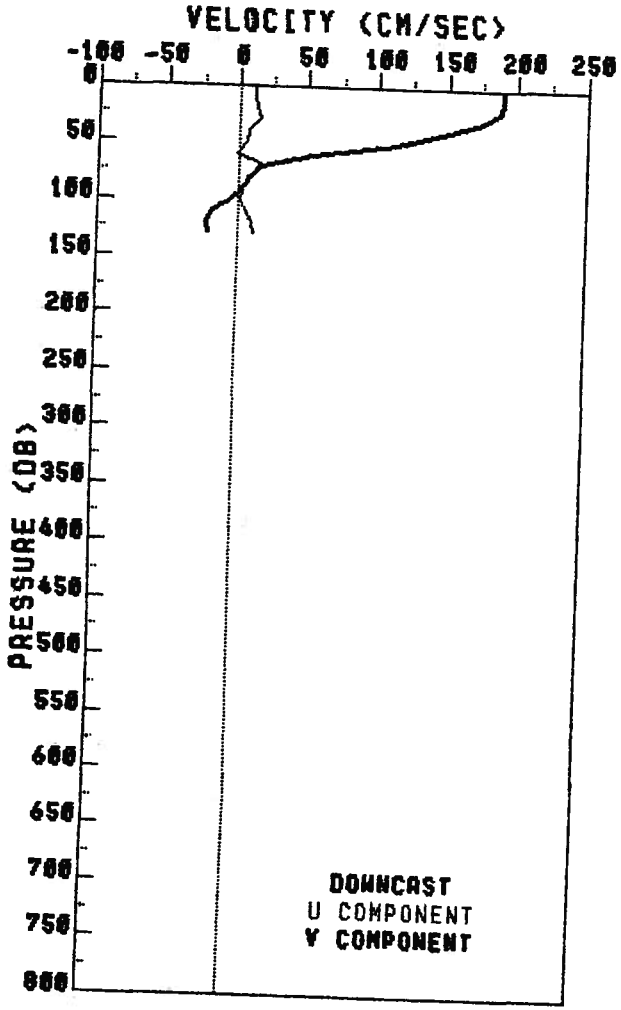


PRES	U	V
0	2.8	230.5
10	2.8	230.5
20	3.3	230.5
30	6.5	226.7
40	8.5	214.7
50	7.6	200.6
60	5.6	185.9
70	7.0	167.4
80	6.3	131.9
90	3.5	90.4
100	0.2	57.6
110	-3.3	31.0
120	-5.4	16.0
130	-6.8	13.6

VK-STACS9-83 PEGASUS 045 STN 0

R/V VIRGINIA KEY JDAY 218 TIME 0017Z

LATITUDE 27.00 N LONGITUDE 79.94 W

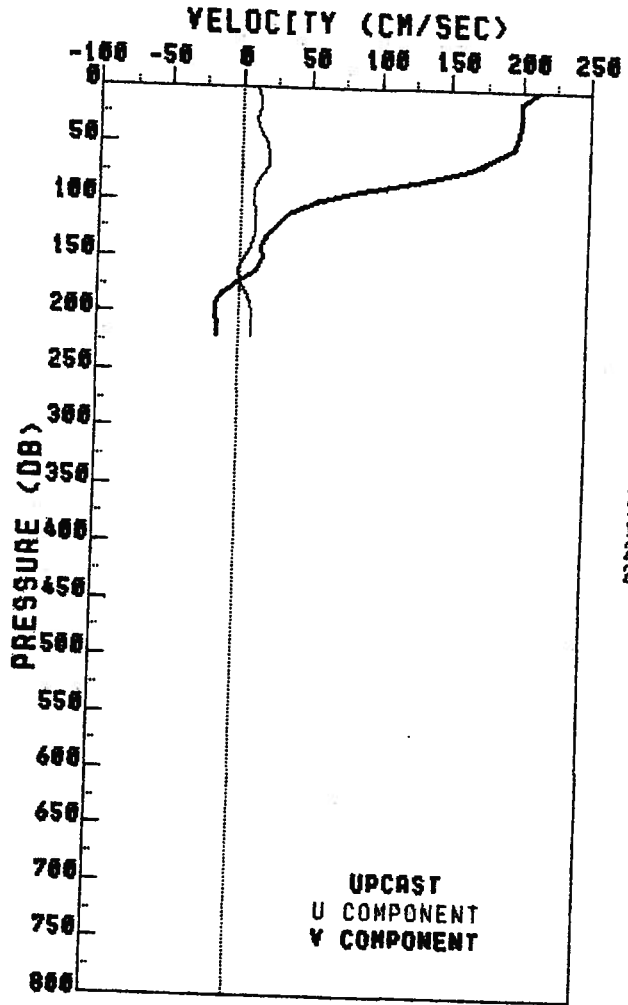


PRES	U	V
0	11.1	190.2
10	11.1	190.2
20	13.2	189.2
30	15.1	174.8
40	7.3	146.9
50	6.0	113.0
60	-1.2	54.1
70	18.1	17.0
80	8.3	10.4
90	2.8	2.3
100	1.2	-7.1
110	4.0	-17.6
120	10.1	-21.6
130	10.5	-20.0

VK-STACS9-83 PEGASUS 046 STN 1

R/V VIRGINIA KEY JDAY 218 TIME 0147Z

LATITUDE 26.99 N LONGITUDE 79.87 W

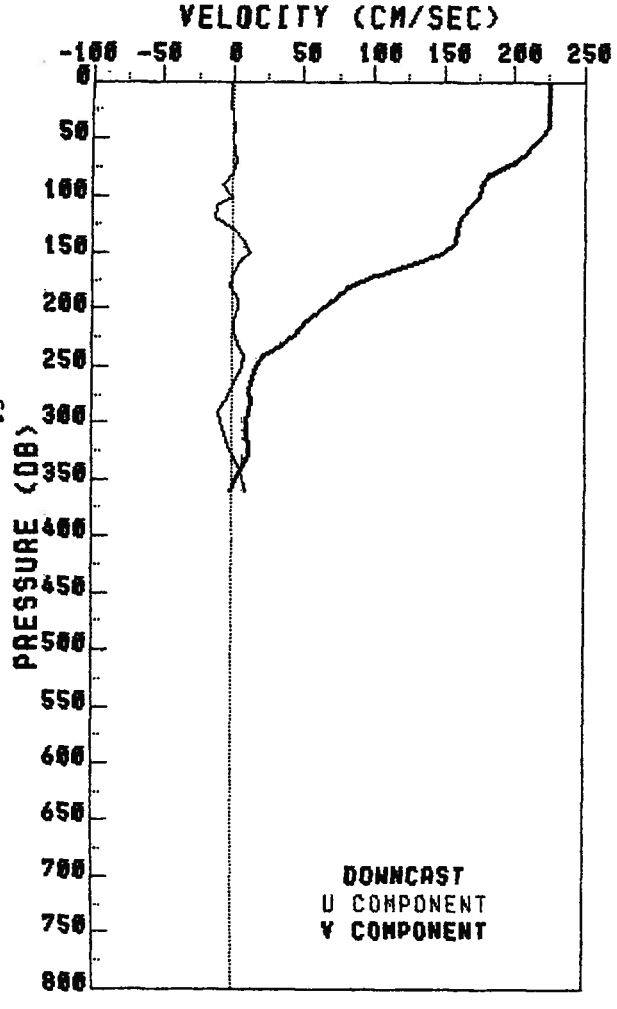


PRES	U	V
0	9.5	210.5
10	12.9	200.7
20	12.4	200.2
30	10.7	200.0
40	13.5	198.9
50	18.8	195.6
60	20.2	181.6
70	20.2	163.3
80	12.2	132.1
90	8.8	86.6
100	8.6	53.6
110	10.5	37.8
120	10.6	29.1
130	9.4	20.4
140	7.8	16.2
150	3.3	16.9
160	-0.9	12.7
170	-0.1	-0.1
180	4.6	-10.8
190	7.8	-16.4
200	8.3	-16.5
220	8.3	-14.1

VK-STACS9-83 PEGASUS 047 STN 2

R/V VIRGINIA KEY JDAY 218 TIME 0348Z

LATITUDE 26.98 N LONGITUDE 79.78 W

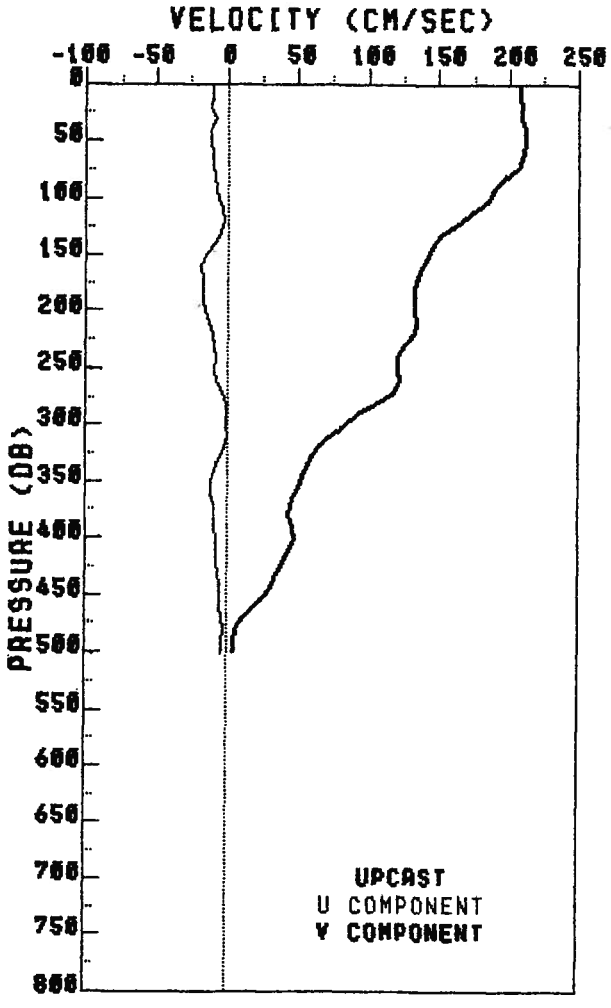


PRES	U	V
0	-0.9	225.7
10	-0.9	225.7
20	-1.2	225.7
30	-0.4	226.0
40	1.4	225.6
50	0.0	218.9
60	1.4	211.0
70	2.5	201.9
80	0.9	183.3
90	-6.2	178.3
100	0.7	176.8
110	-11.1	169.7
120	-11.4	163.5
130	1.1	160.1
140	8.1	159.2
150	11.9	149.8
160	4.6	125.5
170	0.1	101.0
180	-0.8	82.3
190	3.8	72.6
200	4.9	63.4
220	1.8	46.7
240	8.1	23.5
260	2.8	15.4
280	-5.8	14.4
300	-7.6	11.0
320	-2.3	13.2
340	6.1	7.5
360	10.1	0.7

VK-STACS9-83 PEGASUS 048 STN 3

R/V VIRGINIA KEY JDAY 218 TIME 0655Z

LATITUDE 27.00 N LONGITUDE 79.69 W

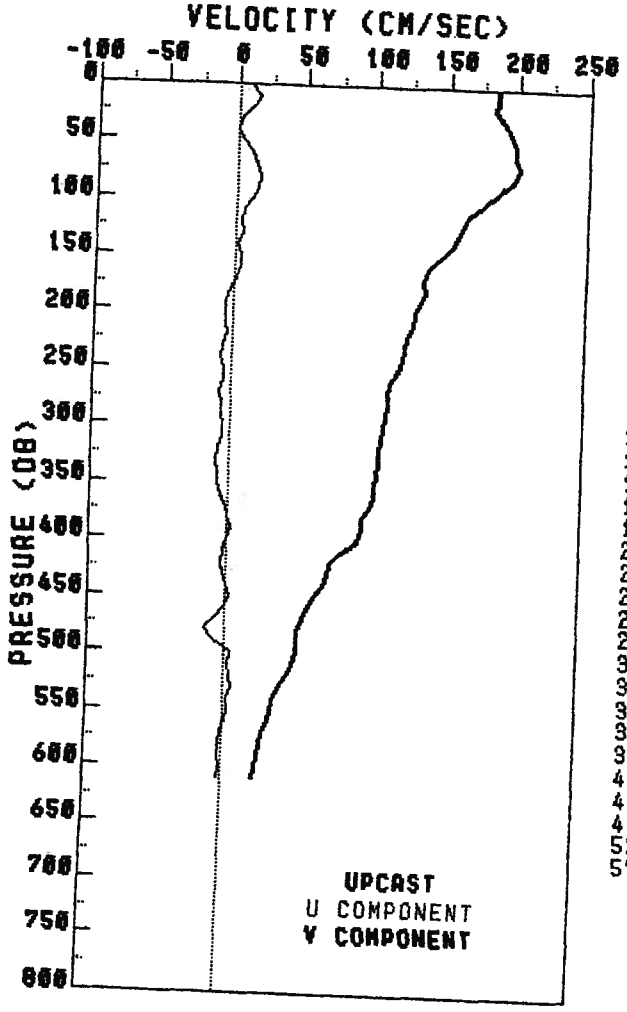


PRES	U	V
0	-10.7	208.9
10	-10.7	208.9
20	-11.5	209.8
30	-8.2	209.6
40	-11.3	212.9
50	-12.2	212.5
60	-10.3	210.8
70	-9.8	208.9
80	-9.6	199.0
90	-8.0	190.8
100	-6.1	186.5
110	-3.5	177.4
120	-2.3	165.8
130	-4.8	153.5
140	-8.8	146.7
150	-15.4	142.7
160	-18.8	138.9
170	-16.9	135.6
180	-16.9	133.2
190	-17.5	133.2
200	-15.4	133.5
220	-10.9	132.6
240	-8.1	121.0
260	-7.4	122.9
280	-0.5	104.1
300	-0.8	83.0
320	-2.7	64.8
340	-9.4	55.4
360	-12.4	48.8
380	-8.4	44.7
400	-8.2	48.0
420	-7.3	40.4
470	-4.2	12.4

VK-STACS9-83 PEGASUS 049 STN 4

R/V VIRGINIA KEY JDAY 218 TIME 0905Z

LATITUDE 26.98 N LONGITUDE 79.61 W

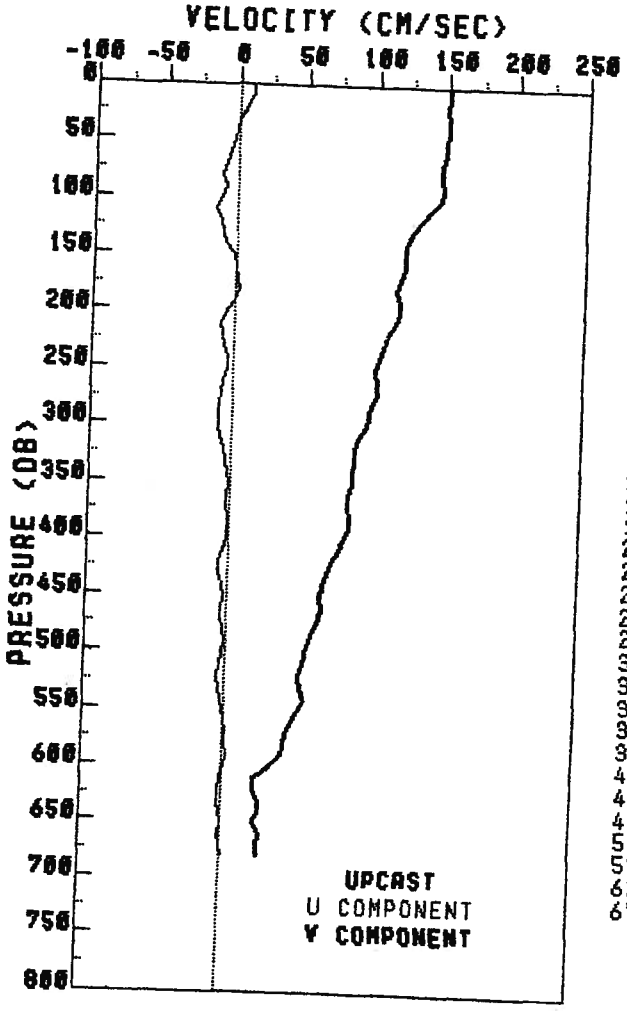


PRES	U	V
0	8.0	184.9
10	15.5	184.7
20	11.0	183.5
30	3.2	188.3
40	0.4	195.0
50	4.2	198.1
60	10.9	198.6
70	13.7	201.6
80	16.9	196.9
90	15.4	185.8
100	11.4	176.0
110	6.3	168.2
120	4.3	162.3
130	5.3	159.2
140	1.0	155.4
150	3.8	146.2
160	4.0	137.8
170	1.9	136.1
180	-2.2	136.4
190	-5.1	133.2
200	-5.1	130.4
220	-4.3	125.2
240	-7.8	121.3
260	-5.4	114.2
280	-6.8	111.8
300	-5.5	109.7
320	-7.6	106.8
340	-8.2	105.7
360	-4.6	104.1
380	0.8	96.1
400	0.5	92.6
420	-3.2	74.3
470	-6.6	56.2
520	4.9	45.2
570	-0.8	29.0

VK-STACS9-83 PEGASUS 050 STN 5

R/V VIRGINIA KEY JDAY 218 TIME 1206Z

LATITUDE 26.99 N LONGITUDE 79.49 W

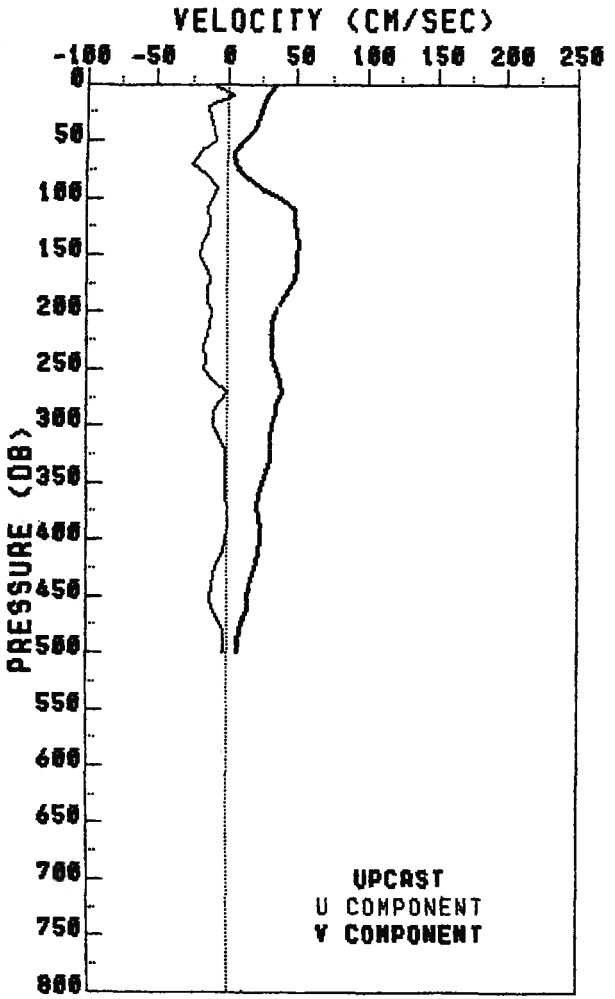


PRES	U	V
0	9.7	151.1
10	9.7	151.1
20	6.3	150.1
30	2.0	150.4
40	-0.5	150.8
50	-2.7	150.2
60	-4.7	149.3
70	-8.1	147.4
80	-10.4	146.6
90	-8.2	147.8
100	-10.9	146.7
110	-14.6	140.4
120	-10.6	133.6
130	-9.3	125.8
140	-7.3	122.2
150	-1.5	122.6
160	1.0	122.8
170	2.3	119.3
180	3.6	116.8
190	0.5	119.5
200	-5.4	119.4
220	-8.2	111.6
240	-3.6	105.9
260	-6.0	103.8
280	-8.4	100.8
300	-9.3	97.6
320	-4.7	88.8
340	-2.3	88.3
360	-1.9	86.0
380	-1.5	86.5
400	-1.0	82.6
420	-6.5	75.0
470	-3.6	67.9
520	-5.0	53.8
570	1.7	45.5
620	-2.1	23.3
670	0.7	28.1

VK-STACS9-83 PEGASUS 053 STN 8

R/V VIRGINIA KEY JDAY 219 TIME 0118Z

LATITUDE 26.99 N LONGITUDE 79.20 W

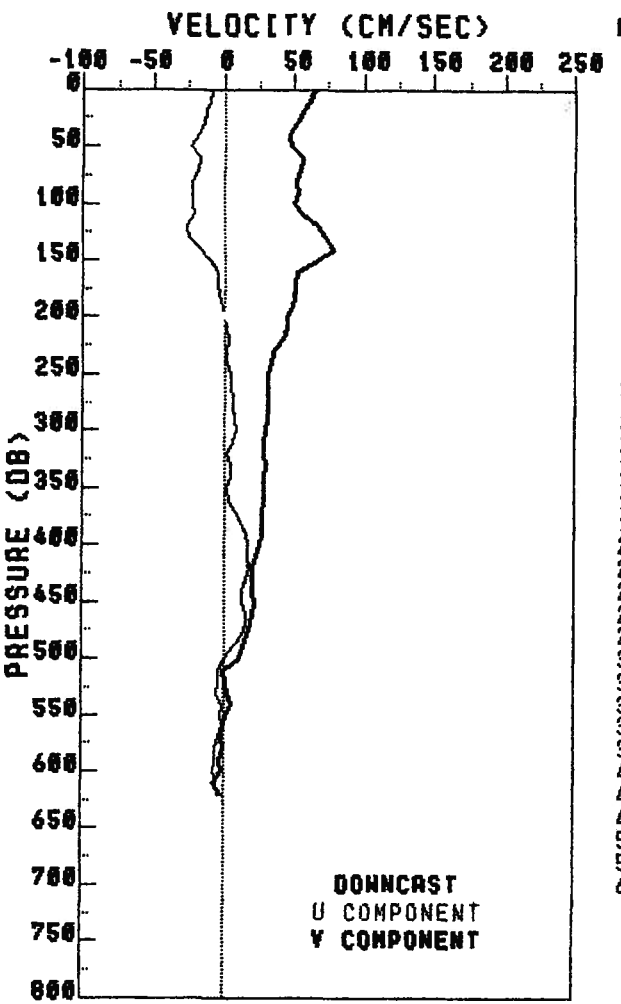


PRES	U	V
0	-9.6	35.3
10	4.3	28.9
20	-12.9	26.0
30	-12.5	23.1
40	-9.0	20.4
50	-8.6	13.0
60	-19.3	6.0
70	-23.9	7.3
80	-13.3	14.5
90	-6.0	24.2
100	-10.9	39.3
110	-13.2	48.9
120	-12.2	48.8
130	-13.7	50.6
140	-17.6	51.9
150	-18.3	51.5
160	-15.3	51.3
170	-12.1	49.8
180	-13.5	46.0
190	-13.4	40.4
200	-10.1	35.5
220	-13.8	32.6
240	-14.3	33.0
260	-9.3	39.2
280	-6.7	36.1
300	-8.7	33.4
320	-1.7	32.1
340	-0.9	28.7
360	-0.9	23.4
380	0.5	23.5
400	-1.0	24.3
420	-6.3	22.3
470	-6.4	12.9

VK-STACS9-83 PEGASUS 054 STN 7

R/V VIRGINIA KEY JDAY 219 TIME 0303Z

LATITUDE 27.00 N LONGITUDE 79.29 W

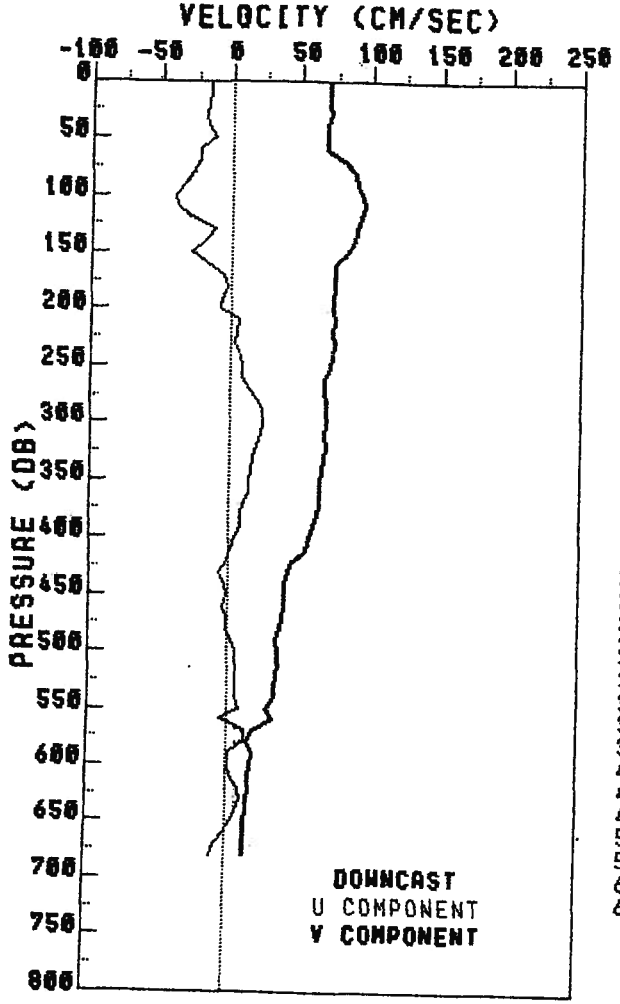


PRES	U	V
0	-8.8	65.3
10	-11.0	61.9
20	-13.2	56.3
30	-14.3	52.0
40	-18.2	46.9
50	-23.8	49.0
60	-17.5	56.5
70	-18.4	54.7
80	-22.6	52.0
90	-22.4	54.2
100	-22.6	50.7
110	-21.9	57.1
120	-26.2	68.0
130	-25.6	73.2
140	-17.8	78.0
150	-9.8	65.5
160	-5.0	53.1
170	-4.6	51.8
180	-3.8	50.6
190	-1.3	49.8
200	0.9	46.0
220	3.8	42.4
240	2.3	35.1
260	4.1	32.6
280	6.4	31.8
300	8.2	31.1
320	2.3	29.2
340	4.8	29.2
360	3.6	28.9
380	11.6	27.7
400	16.3	25.9
420	17.9	20.8
470	16.1	19.2
520	-4.2	1.9
570	-3.0	-0.8
620	-4.3	-1.2

VK-STACS9-83 PEGASUS 055 STN 6

R/V VIRGINIA KEY JDAY 219 TIME 0458Z

LATITUDE 26.99 N LONGITUDE 79.40 W

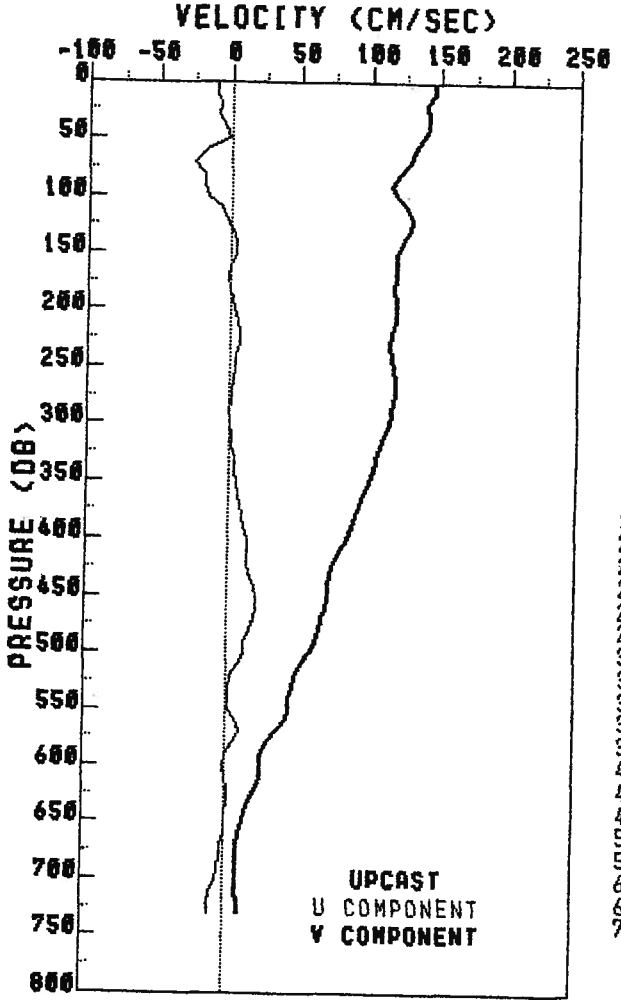


PRES	U	V
0	-16.2	69.7
10	-16.2	69.7
20	-18.0	70.1
30	-18.5	71.3
40	-17.3	68.9
50	-11.6	68.1
60	-22.9	68.8
70	-23.5	81.8
80	-28.3	88.8
90	-33.4	90.0
100	-41.3	94.6
110	-39.0	95.9
120	-29.3	93.3
130	-12.3	90.3
140	-18.9	89.3
150	-28.8	83.8
160	-17.9	75.9
170	-5.8	75.8
180	-2.8	76.0
190	-6.7	74.1
200	-7.8	74.1
220	4.7	73.6
240	7.7	74.3
260	8.6	68.8
280	20.8	69.6
300	24.0	70.5
320	19.8	69.7
340	14.9	66.6
360	14.4	65.3
380	8.9	65.0
400	5.0	59.5
420	-1.5	46.0
470	-0.5	40.0
520	5.6	35.6
570	12.1	19.6
620	8.3	16.0
670	-7.6	13.6

VK-STACS9-83 PEGASUS 057 STN 5

R/V VIRGINIA KEY JDAY 219 TIME 0846Z

LATITUDE 26.99 N LONGITUDE 79.49 W

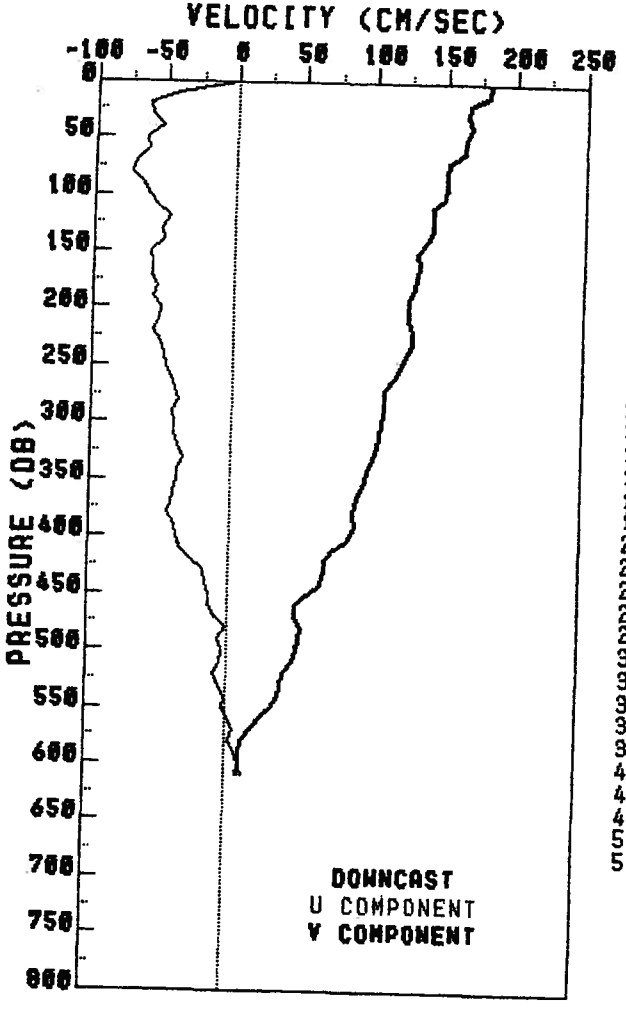


PRES	U	V
0	-9.9	145.9
10	-9.9	145.9
20	-7.6	140.4
30	-9.5	141.1
40	-4.0	141.0
50	-1.0	137.8
60	-16.9	132.3
70	-25.5	128.4
80	-18.2	121.3
90	-18.4	115.4
100	-15.2	119.1
110	-6.2	126.8
120	-1.6	130.7
130	1.9	129.3
140	4.0	123.1
150	4.0	119.2
160	0.7	120.0
170	-0.6	119.6
180	1.2	118.6
190	2.4	119.2
200	3.6	120.0
220	7.6	117.0
240	5.1	116.6
260	3.3	119.9
280	1.7	117.8
300	0.2	114.9
320	2.5	108.2
340	5.1	103.8
360	7.6	98.0
380	9.5	91.7
400	13.7	86.3
420	14.8	76.7
470	19.0	69.3
520	3.1	50.3
570	10.4	37.8
620	2.5	22.8
670	-1.9	10.0
720	-10.6	11.1

VK-STACS9-83 PEGASUS 058 STN 4

R/V VIRGINIA KEY JDAY 219 TIME 1152Z

LATITUDE 26.98 N LONGITUDE 79.61 W

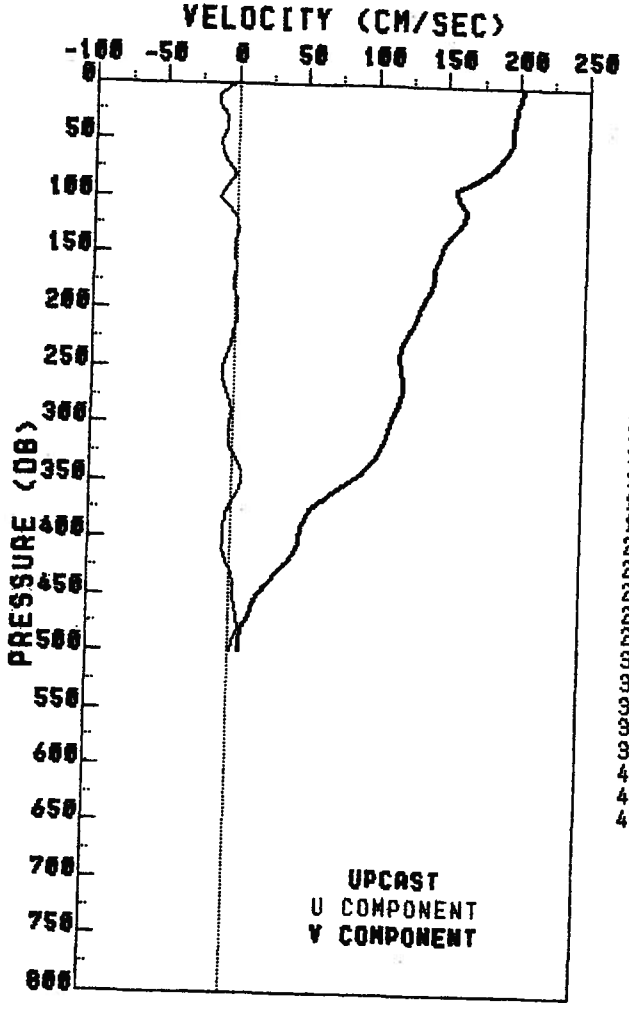


PRES	U	V
0	-1.6	181.4
10	-42.5	181.3
20	-62.1	166.4
30	-60.8	165.8
40	-53.7	168.4
50	-64.4	164.4
60	-63.0	163.9
70	-70.3	153.6
80	-73.1	152.1
90	-65.9	151.9
100	-61.1	151.0
110	-56.2	142.5
120	-46.2	142.7
130	-51.6	142.8
140	-50.4	138.4
150	-60.2	132.0
160	-58.3	132.4
170	-58.1	130.8
180	-54.5	130.4
190	-57.5	126.5
200	-51.3	126.3
220	-57.5	128.2
240	-48.8	124.9
260	-43.1	116.2
280	-38.4	109.2
300	-40.9	108.4
320	-37.4	105.4
340	-37.5	98.9
360	-41.0	93.5
380	-45.0	88.8
400	-37.8	86.3
420	-26.6	70.2
470	-9.6	49.8
520	-9.5	41.7
570	5.8	19.3

VK-STACS9-83 PEGASUS 059 STN 3

R/V VIRGINIA KEY JDAY 219 TIME 1341Z

LATITUDE 27.00 N LONGITUDE 79.69 W

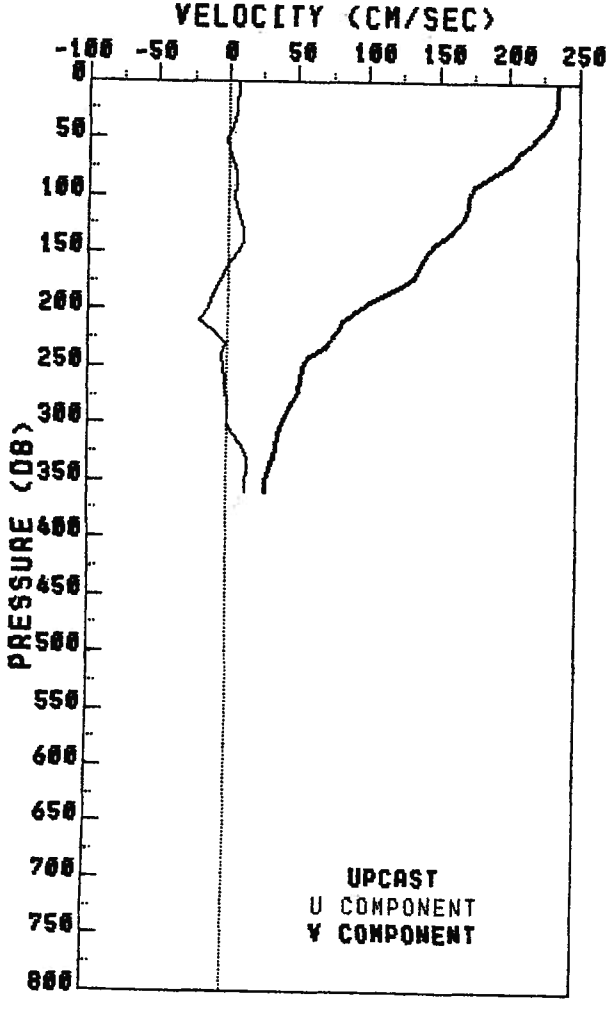


PRES	U	V
0	-2.8	202.3
10	-12.9	201.9
20	-12.6	198.8
30	-7.2	197.5
40	-7.5	196.3
50	-11.4	196.1
60	-11.0	191.9
70	-6.7	184.6
80	-1.5	172.3
90	-6.2	158.0
100	-11.4	158.6
110	-5.2	164.8
120	0.7	163.7
130	1.3	156.6
140	-0.9	150.1
150	-0.4	146.5
160	0.6	142.9
170	-1.2	142.6
180	-0.8	141.4
190	1.7	136.5
200	2.4	132.8
220	-0.9	125.5
240	-5.0	120.1
260	-7.2	122.5
280	-2.2	119.9
300	-1.7	114.0
320	-2.2	107.5
340	7.9	95.5
360	4.0	70.2
380	-3.3	55.5
400	-4.9	49.8
420	-1.8	42.7
470	6.3	15.5

VK-STACS9-83 PEGASUS 060 STN 2

R/V VIRGINIA KEY JDAY 219 TIME 1547Z

LATITUDE 26.98 N LONGITUDE 79.78 W

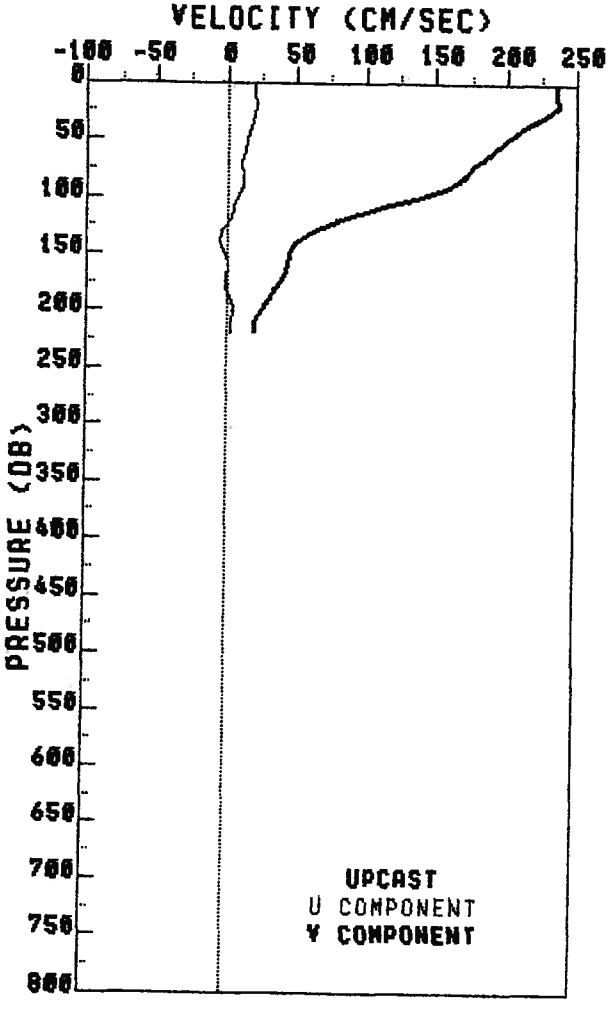


PRES	U	V
0	6.4	235.2
10	6.4	235.2
20	6.3	235.1
30	5.6	232.2
40	2.7	227.0
50	-0.9	218.4
60	0.7	209.9
70	3.0	202.6
80	5.4	189.2
90	5.7	176.3
100	4.8	172.0
110	5.9	172.1
120	8.2	169.2
130	10.9	161.6
140	11.6	151.2
150	7.1	143.4
160	0.8	138.0
170	-3.4	133.6
180	-7.6	121.9
190	-11.8	104.4
200	-13.8	94.3
220	-9.8	79.4
240	-4.4	59.8
260	-0.8	53.3
280	-0.3	48.0
300	0.2	40.3
320	11.8	35.4
340	15.1	32.0
360	13.3	28.8

VK-STACS9-83 PEGASUS 061 STN 1

R/V VIRGINIA KEY JDAY 219 TIME 1736Z

LATITUDE 26.99 N LONGITUDE 79.87 W

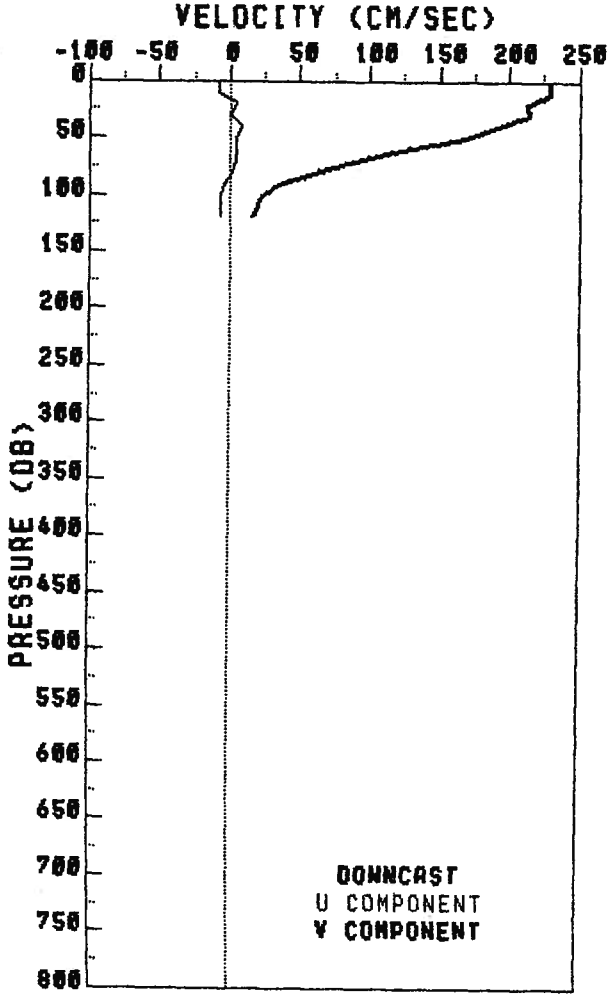


PRES	U	V
0	19.1	235.4
10	19.6	235.5
20	20.4	236.8
30	19.9	225.8
40	16.4	210.3
50	14.1	199.4
60	12.5	189.7
70	10.7	178.7
80	11.5	172.0
90	11.2	160.5
100	6.9	136.2
110	4.6	109.1
120	2.6	83.2
130	-3.4	62.7
140	-4.7	50.3
150	-0.3	45.1
160	1.2	44.0
170	-0.7	41.9
180	-0.7	35.6
190	2.6	30.5
200	4.6	26.0
220	3.7	20.4

VK-STACS9-83 PEGASUS 062 STN 0

R/V VIRGINIA KEY JDAY 219 TIME 1943Z

LATITUDE 27.00 N LONGITUDE 79.94 W

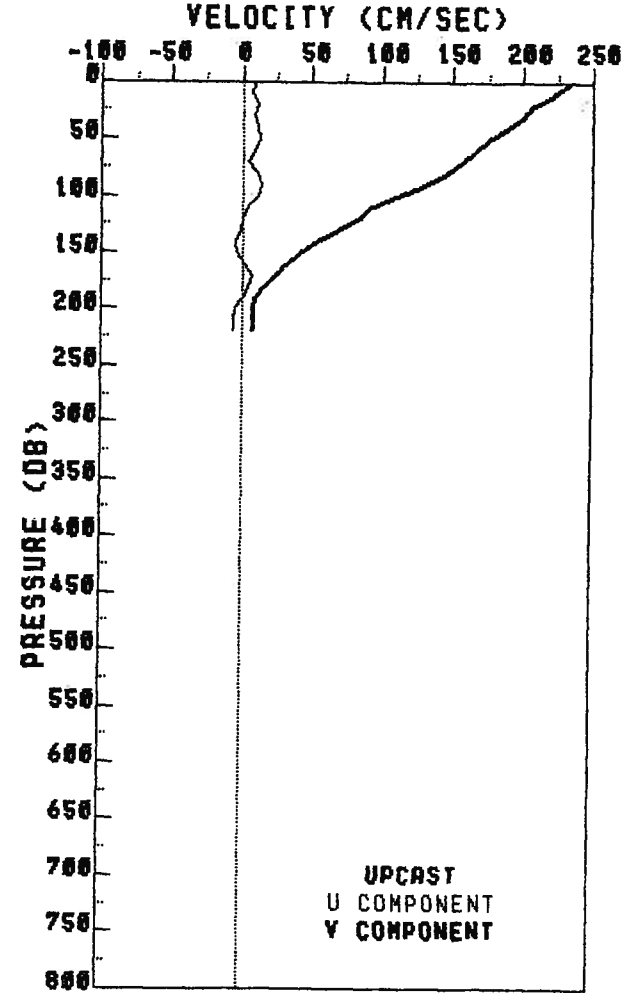


PRES	U	V
0	-8.4	230.1
10	-8.1	229.5
20	3.8	213.0
30	-0.4	215.0
40	7.9	191.3
50	4.5	168.4
60	4.8	122.7
70	5.0	88.6
80	1.9	60.9
90	-3.6	34.1
100	-5.9	23.4
110	-7.2	20.9
120	-6.2	16.4

VK-STACS9-83 PEGASUS 064 STN 1

R/V VIRGINIA KEY JDAY 219 TIME 2229Z

LATITUDE 26.99 N LONGITUDE 79.87 W

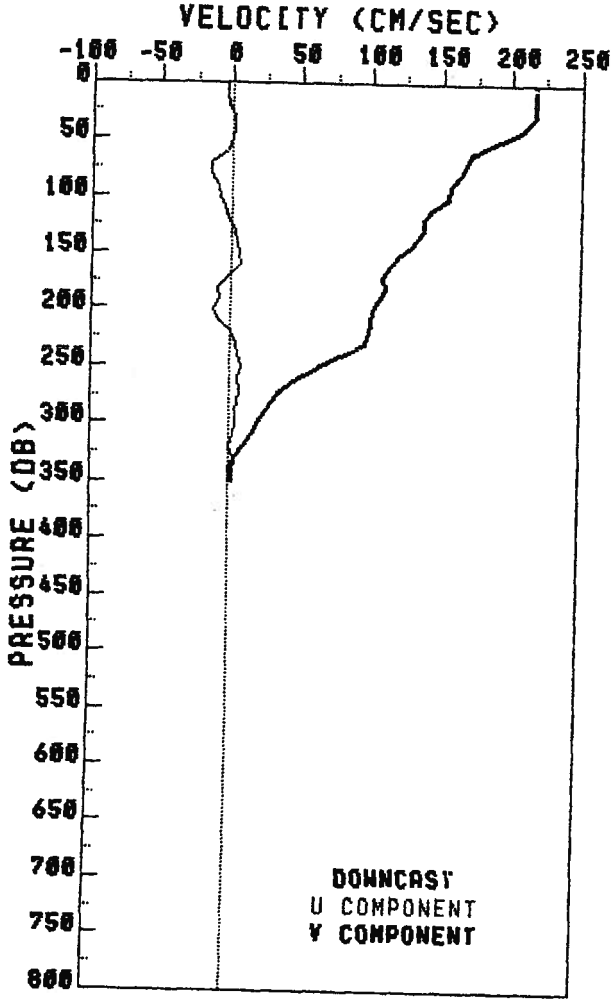


PRES	U	V
0	8.4	232.8
10	6.9	220.4
20	10.8	208.6
30	9.3	202.1
40	11.9	189.7
50	12.3	176.0
60	8.3	165.5
70	4.6	156.6
80	11.0	145.3
90	14.8	130.9
100	11.9	109.8
110	5.0	93.6
120	0.9	85.3
130	-0.6	69.4
140	-4.5	53.6
150	-3.5	41.0
160	2.5	31.3
170	6.9	24.8
180	5.2	16.3
190	-0.1	9.6
200	-5.6	9.0
220	-6.7	9.1

VK-STACS9-83 PEGASUS 065 STN 2

R/V VIRGINIA KEY JDAY 220 TIME 0001Z

LATITUDE 26.98 N LONGITUDE 79.78 W

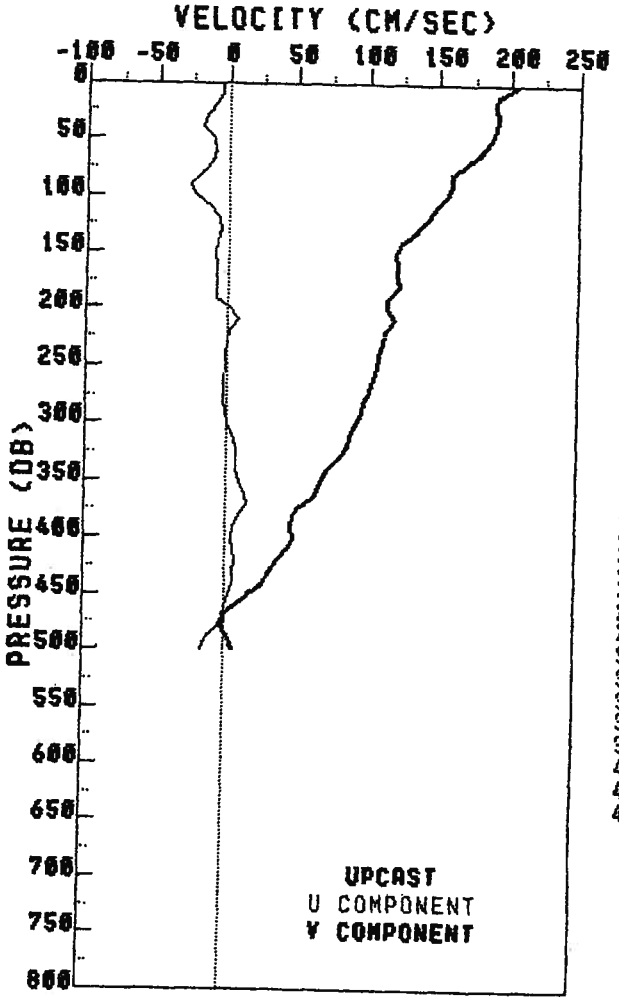


PRES	U	V
0	-4.3	217.3
10	-4.9	217.3
20	-2.8	217.9
30	2.1	217.8
40	1.2	209.8
50	0.6	191.3
60	-1.9	173.5
70	-14.6	168.4
80	-15.0	164.8
90	-9.4	157.4
100	-8.2	155.9
110	-4.8	144.8
120	-2.7	138.9
130	2.6	138.0
140	3.9	130.8
150	5.8	122.1
160	7.3	115.4
170	-1.2	109.3
180	-9.9	111.4
190	-8.6	107.5
200	-12.6	102.3
220	0.1	100.3
240	6.0	79.4
260	6.0	48.2
280	6.1	31.4
300	5.0	20.2
320	0.7	11.5
340	0.1	2.5

VK-STACS9-83 PEGASUS 066 STN 3

R/V VIRGINIA KEY JDAY 220 TIME 0123Z

LATITUDE 27.00 N LONGITUDE 79.69 W

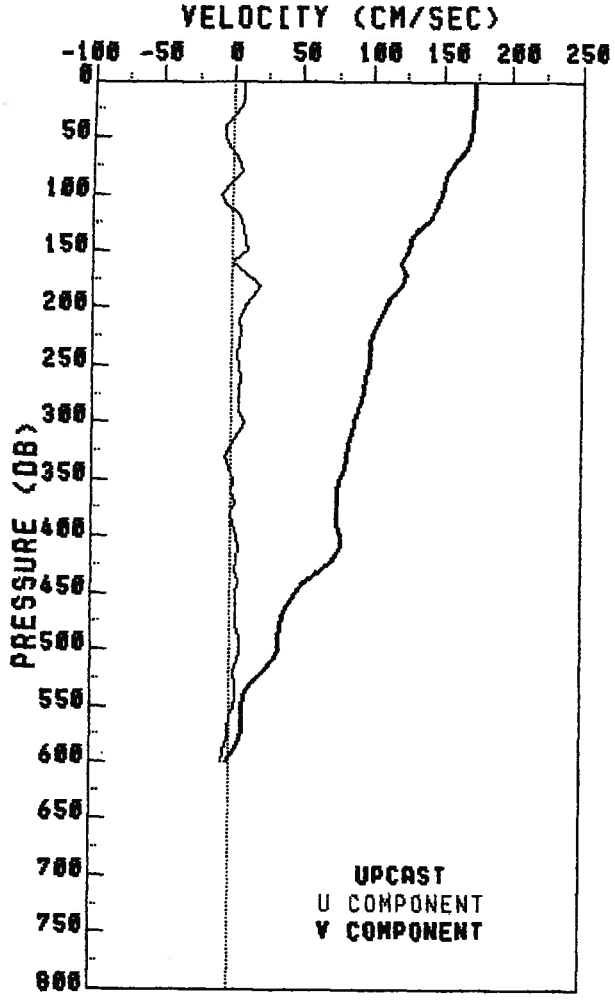


PRES	U	V
0	-4.4	204.1
10	-5.4	192.6
20	-8.9	191.0
30	-15.8	191.7
40	-18.3	190.1
50	-10.6	187.4
60	-8.8	181.4
70	-11.5	169.4
80	-18.0	160.5
90	-26.6	160.5
100	-23.3	156.5
110	-13.2	149.1
120	-6.1	143.7
130	-4.7	135.6
140	-7.8	125.2
150	-8.7	121.4
160	-7.4	121.9
170	-7.8	122.1
180	-7.8	123.2
190	-7.1	115.4
200	2.5	115.6
220	1.6	114.3
240	-0.4	110.2
260	-1.6	106.3
280	-2.2	99.5
300	1.2	93.4
320	7.3	87.5
340	7.4	72.4
360	14.8	65.1
380	10.6	49.3
400	4.6	49.6
420	6.7	38.2
470	-1.4	0.8

VK-STACS9-83 PEGASUS 067 STN 4

R/V VIRGINIA KEY JDAY 220 TIME 0305Z

LATITUDE 26.98 N LONGITUDE 79.61 W

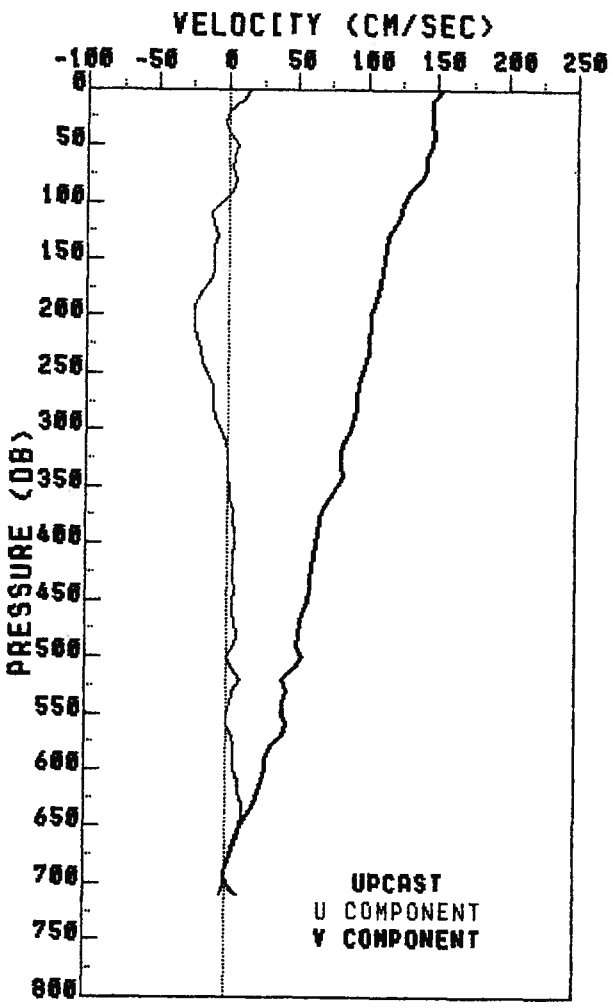


PRES	U	V
0	7.4	174.3
10	7.4	174.3
20	7.4	174.3
30	1.8	172.8
40	-4.9	171.8
50	-5.5	171.8
60	-1.3	169.0
70	4.3	161.3
80	6.9	154.5
90	-1.2	152.3
100	-8.4	151.3
110	-3.4	147.7
120	6.3	143.9
130	8.4	134.1
140	9.6	129.3
150	10.7	127.8
160	-0.2	122.5
170	10.9	125.4
180	21.2	123.0
190	15.9	115.3
200	9.3	110.9
220	7.2	102.6
240	4.1	100.2
260	6.9	97.9
280	5.0	94.8
300	9.8	89.7
320	-0.4	85.3
340	-0.9	81.7
360	0.4	76.2
380	0.7	76.2
400	3.7	79.7
420	4.6	74.0
470	4.1	39.0
520	3.4	24.3
570	-0.7	10.1

VK-STACS9-83 PEGASUS 068 STN 5

R/V VIRGINIA KEY JDAY 220 TIME 0504Z

LATITUDE 26.99 N LONGITUDE 79.49 W

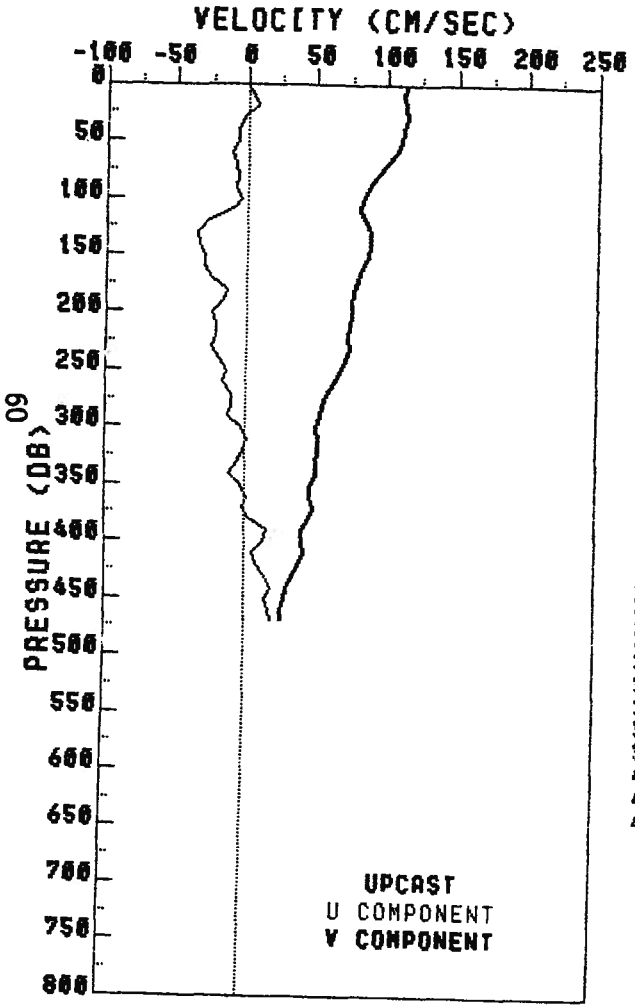


PRES	U	V
0	13.6	154.0
10	10.3	146.5
20	0.9	146.6
30	-2.1	147.0
40	2.5	148.3
50	7.6	146.1
60	4.3	143.0
70	3.0	143.1
80	5.9	138.8
90	3.6	131.0
100	-4.7	126.7
110	-11.9	125.0
120	-9.8	121.3
130	-7.9	115.6
140	-9.9	113.6
150	-10.4	113.1
160	-10.7	111.1
170	-13.2	109.5
180	-19.8	108.2
190	-24.5	105.8
200	-24.1	103.7
220	-23.0	102.2
240	-18.0	99.9
260	-10.9	94.7
280	-10.7	94.0
300	-5.2	88.9
320	0.6	82.3
340	0.8	83.3
360	2.5	73.7
380	4.9	67.5
400	5.6	64.4
420	4.7	61.6
470	5.9	53.7
520	10.1	42.0
570	4.1	41.8
620	9.4	23.9
670	4.9	6.1

VK-STACS9-83 PEGASUS 069 STN 6

R/V VIRGINIA KEY JDAY 220 TIME 0715Z

LATITUDE 26.99 N LONGITUDE 79.40 W

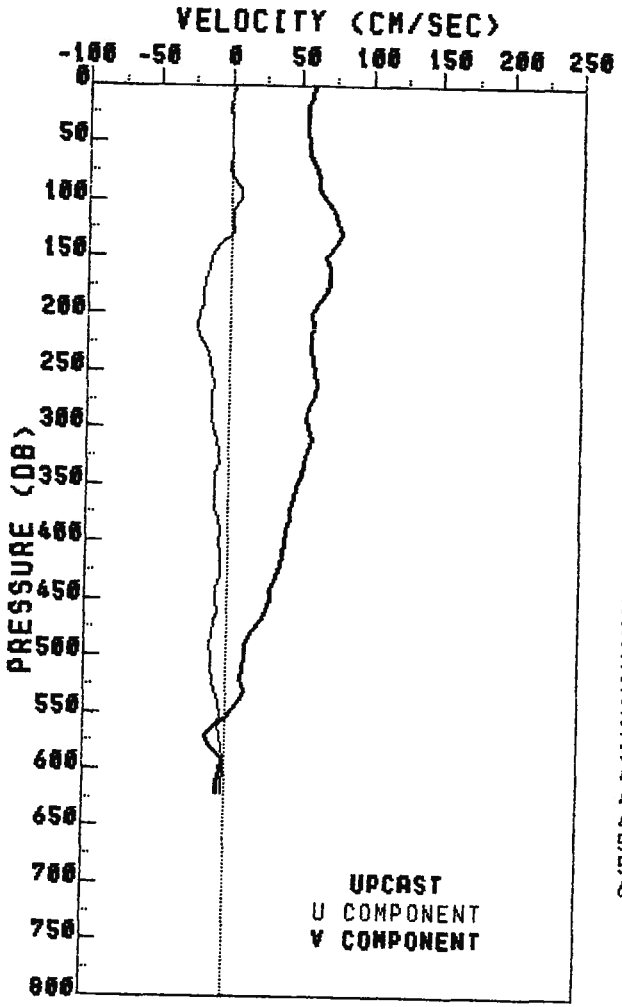


PRES	U	V
0	-1.0	114.2
10	4.2	112.0
20	7.1	114.0
30	-2.5	114.4
40	-6.9	112.5
50	-6.6	111.4
60	-10.5	107.5
70	-8.2	100.3
80	-6.3	93.1
90	-7.4	87.4
100	-4.0	83.1
110	-9.8	82.8
120	-27.1	86.9
130	-35.7	88.4
140	-34.5	89.3
150	-29.5	87.6
160	-29.6	83.2
170	-25.0	81.0
180	-13.9	78.0
190	-17.3	76.4
200	-24.3	76.7
220	-21.4	74.6
240	-18.5	72.5
260	-15.7	63.8
280	-9.6	57.0
300	-2.8	52.3
320	-1.1	53.4
340	-10.1	52.2
360	1.6	47.6
380	2.7	48.6
400	13.3	42.7
420	8.2	40.4
470	19.7	26.9

VK-STACS9-83 PEGASUS 070 STN 7

R/V VIRGINIA KEY JDAY 220 TIME 0908Z

LATITUDE 26.99 N LONGITUDE 79.29 W

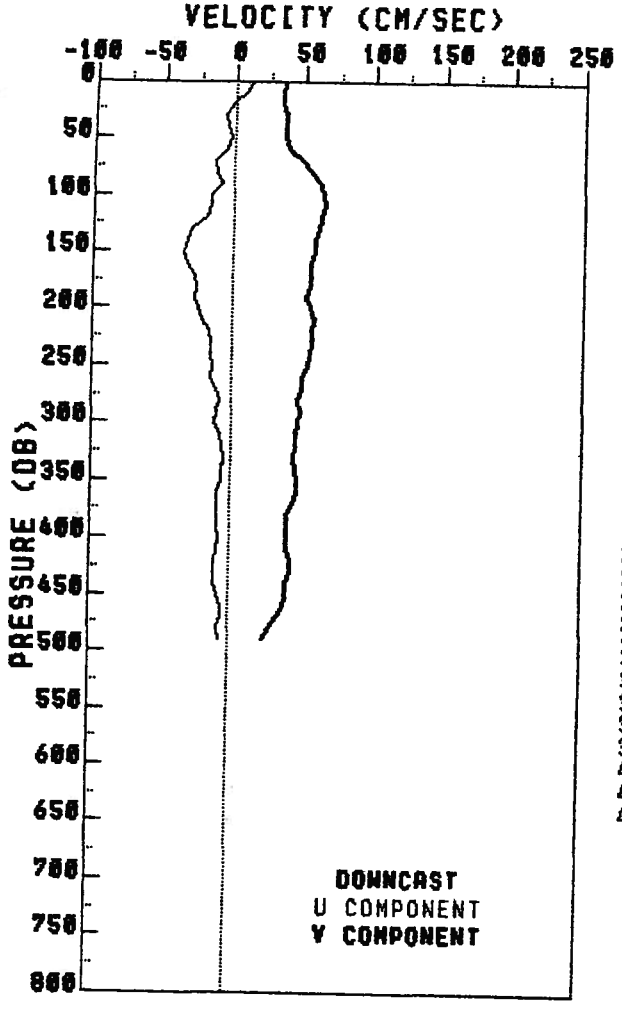


PRES	U	V
0	2.3	58.9
10	1.1	58.1
20	-0.4	55.9
30	0.1	55.5
40	0.5	55.5
50	-0.1	56.1
60	0.6	57.1
70	-0.3	60.2
80	1.1	62.8
90	7.3	63.2
100	7.5	68.5
110	1.3	74.8
120	2.3	77.4
130	1.3	80.2
140	-7.2	75.1
150	-12.8	69.2
160	-15.1	71.2
170	-16.9	72.3
180	-18.4	69.7
190	-19.0	63.9
200	-20.9	60.0
220	-21.1	59.8
240	-13.5	60.8
260	-10.9	62.9
280	-12.4	58.3
300	-10.0	58.0
320	-5.7	58.5
340	-8.8	53.3
360	-8.6	48.0
380	-6.7	45.2
400	-5.9	41.1
420	-4.7	38.4
470	-8.5	25.5
520	-9.2	11.3
570	-3.8	-12.7
620	-2.2	-5.5

VK-STACS9-83 PEGASUS 071 STN 8

R/V VIRGINIA KEY JDAY 220 TIME 1052Z

LATITUDE 26.99 N LONGITUDE 79.20 W

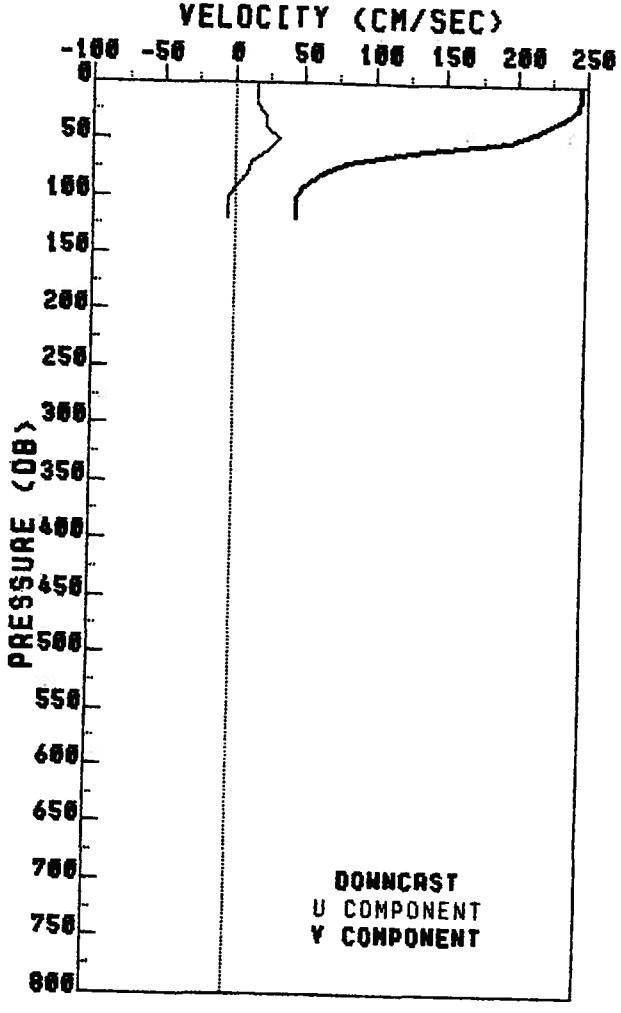


PRES	U	V
0	10.6	35.7
10	6.9	34.2
20	-1.6	33.9
30	-6.7	37.4
40	-5.0	37.1
50	-2.0	36.5
60	-4.9	39.7
70	-13.8	49.4
80	-12.0	56.0
90	-7.6	63.3
100	-16.7	64.6
110	-16.3	65.4
120	-18.8	63.5
130	-30.1	61.8
140	-32.0	58.7
150	-34.7	59.2
160	-33.2	56.4
170	-26.5	56.6
180	-26.3	56.0
190	-27.4	53.0
200	-24.6	56.0
220	-16.0	57.2
240	-14.2	55.6
260	-14.2	51.4
280	-8.5	48.5
300	-11.6	48.2
320	-6.9	46.2
340	-6.5	47.4
360	-9.4	47.9
380	-10.0	41.1
400	-7.5	41.6
420	-10.0	43.4
470	-5.7	36.2

VK-STACS9-83 PEGASUS 072 STN 0

R/V VIRGINIA KEY JDAY 223 TIME 2028Z

LATITUDE 27.00 N LONGITUDE 79.94 W

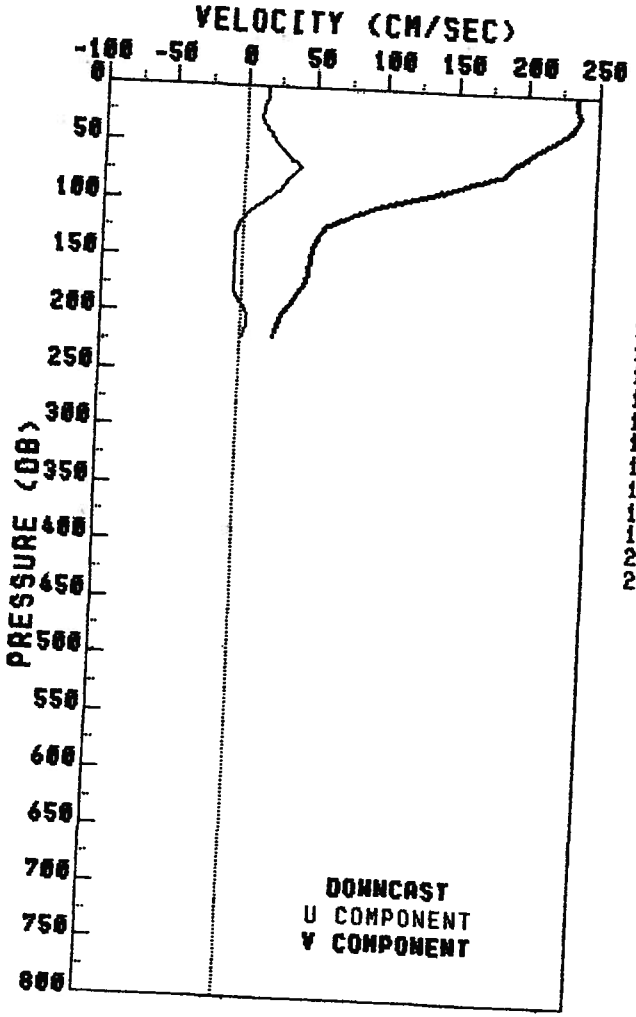


PRES	U	V
0	15.7	244.7
10	15.7	244.7
20	16.0	244.3
30	22.6	232.5
40	23.0	217.1
50	31.6	194.7
60	23.5	125.3
70	10.8	80.6
80	8.6	61.1
90	1.8	51.2
100	-5.0	44.7
110	-5.0	44.7
120	-5.0	44.7

VK-STACS9-83 PEGASUS 073 STN 1

R/V VIRGINIA KEY JDAY 223 TIME 2125Z

LATITUDE 26.99 N LONGITUDE 79.87 W

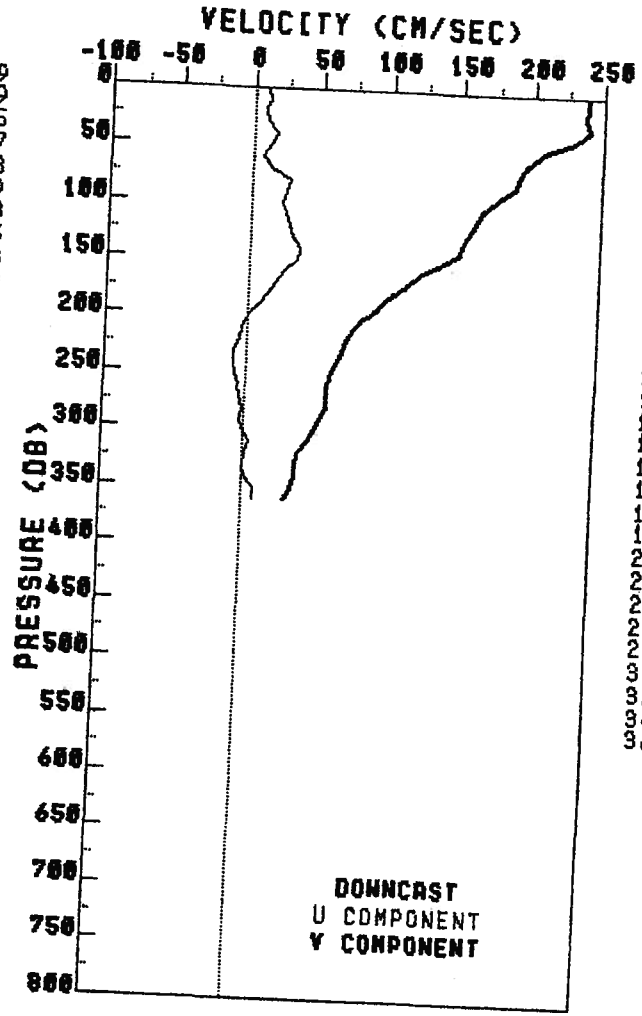


PRES	U	V
0	15.0	234.9
10	15.0	234.9
20	13.2	237.5
30	11.8	232.7
40	16.8	219.8
50	21.8	206.9
60	30.5	194.3
70	39.9	185.5
80	31.5	158.3
90	26.8	133.9
100	15.0	100.7
110	3.8	81.3
120	-3.0	61.3
130	-4.8	55.2
140	-5.4	51.3
150	-5.9	49.0
160	-4.8	48.3
170	-5.5	46.5
180	-5.1	40.9
190	0.9	35.1
200	4.3	29.6
220	1.2	24.3

VK-STACS9-83 PEGASUS 074 STN 2

R/V VIRGINIA KEY JDAY 223 TIME 2247Z

LATITUDE 26.98 N LONGITUDE 79.78 W

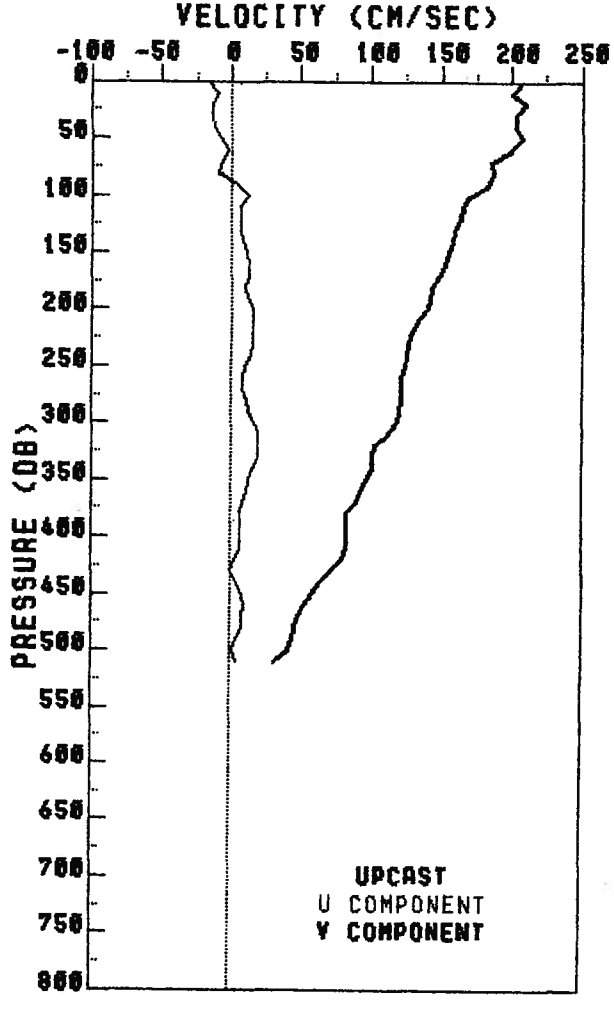


PRES	U	V
0	10.5	238.9
10	11.0	238.6
20	8.9	237.7
30	10.6	240.4
40	17.4	229.0
50	13.4	206.4
60	7.7	197.9
70	14.8	192.4
80	27.2	188.8
90	25.5	177.3
100	22.6	167.3
110	25.3	163.8
120	27.5	159.8
130	30.3	154.0
140	35.4	151.2
150	34.1	137.9
160	25.0	122.8
170	20.3	112.4
180	14.9	101.6
190	7.2	93.4
200	0.9	84.0
220	-5.5	72.2
240	-8.9	64.7
260	-5.3	59.8
280	-0.9	58.8
300	-1.3	51.0
320	2.0	39.5
340	2.0	39.3
360	9.2	32.2

VK-STACS9-83 PEGASUS 075 STN 3

R/V VIRGINIA KEY JDAY 224 TIME 0027Z

LATITUDE 27.00 N LONGITUDE 79.69 W

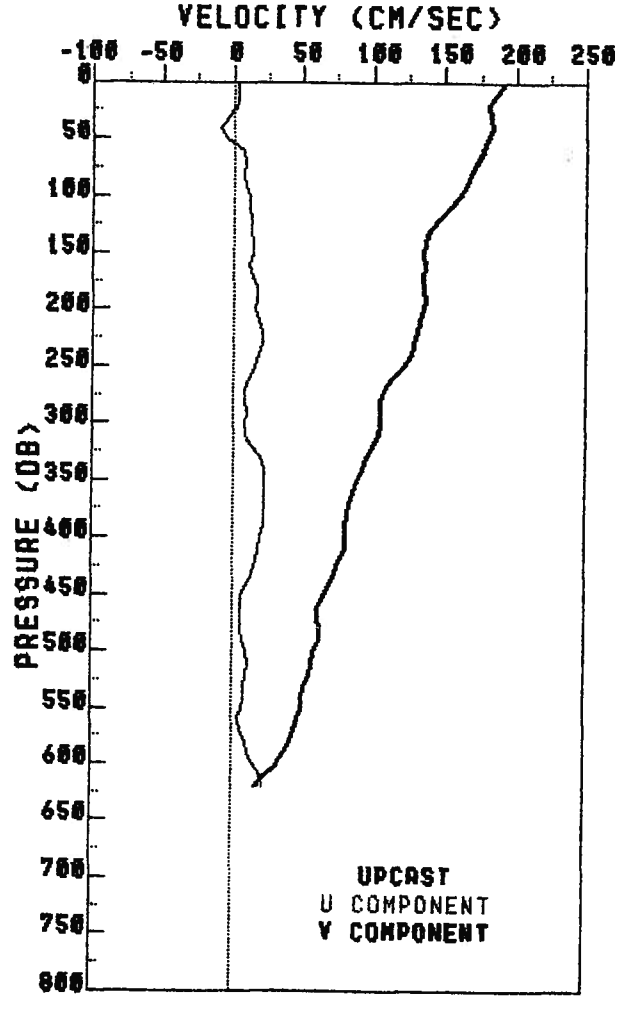


PRES	U	V
0	-16.7	208.5
10	-9.5	200.6
20	-13.4	211.1
30	-14.0	203.4
40	-11.4	204.6
50	-7.3	208.1
60	-1.8	199.4
70	-6.7	186.8
80	-9.8	187.3
90	4.2	182.8
100	11.9	169.6
110	7.7	165.2
120	6.7	163.8
130	7.1	159.9
140	8.4	158.9
150	10.8	156.7
160	12.7	152.8
170	12.9	148.9
180	9.9	144.1
190	11.5	142.9
200	14.7	140.8
220	14.7	130.1
240	13.9	126.0
260	8.1	121.9
280	10.8	121.8
300	16.3	118.9
320	19.6	102.8
340	15.9	101.1
360	10.5	93.0
380	6.7	83.5
400	6.7	83.5
420	2.6	80.7
470	8.6	49.5

VK-STACS9-83 PEGASUS 076 STN 4

R/V VIRGINIA KEY JDAY 224 TIME 0205Z

LATITUDE 26.98 N LONGITUDE 79.61 W

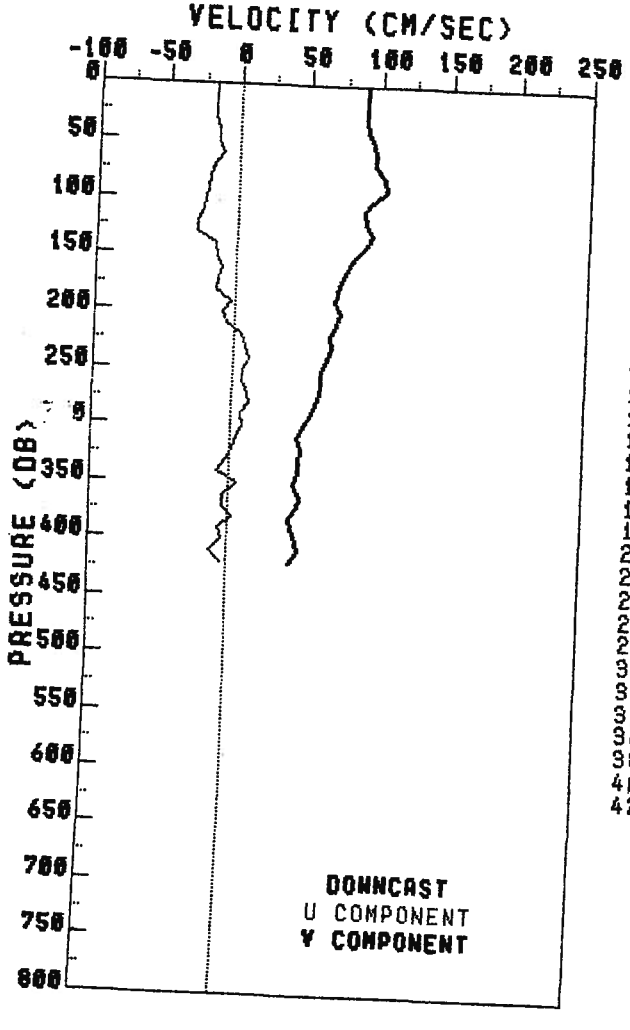


PRES	U	V
0	9.6	192.3
10	3.8	185.8
20	3.0	180.3
30	-2.2	182.0
40	-8.9	183.9
50	-4.6	180.2
60	6.8	177.0
70	9.4	173.1
80	7.0	168.4
90	9.0	165.5
100	10.9	160.4
110	11.1	155.0
120	12.9	146.3
130	12.9	140.1
140	14.5	136.8
150	13.6	136.2
160	11.9	137.4
170	14.4	136.1
180	16.7	136.0
190	16.6	137.6
200	16.2	135.9
220	20.7	131.5
240	18.5	127.0
260	11.8	114.5
280	9.4	105.7
300	8.4	106.0
320	12.9	100.8
340	22.8	93.6
360	22.6	86.6
380	22.6	81.9
400	19.9	81.9
420	16.5	77.4
470	6.5	62.4
520	10.5	56.1
570	6.4	45.7
620	22.7	18.5

VK-STACS9-83 PEGASUS 078 STN 6

R/V VIRGINIA KEY JDAY 224 TIME 0558Z

LATITUDE 26.99 N LONGITUDE 79.40 W

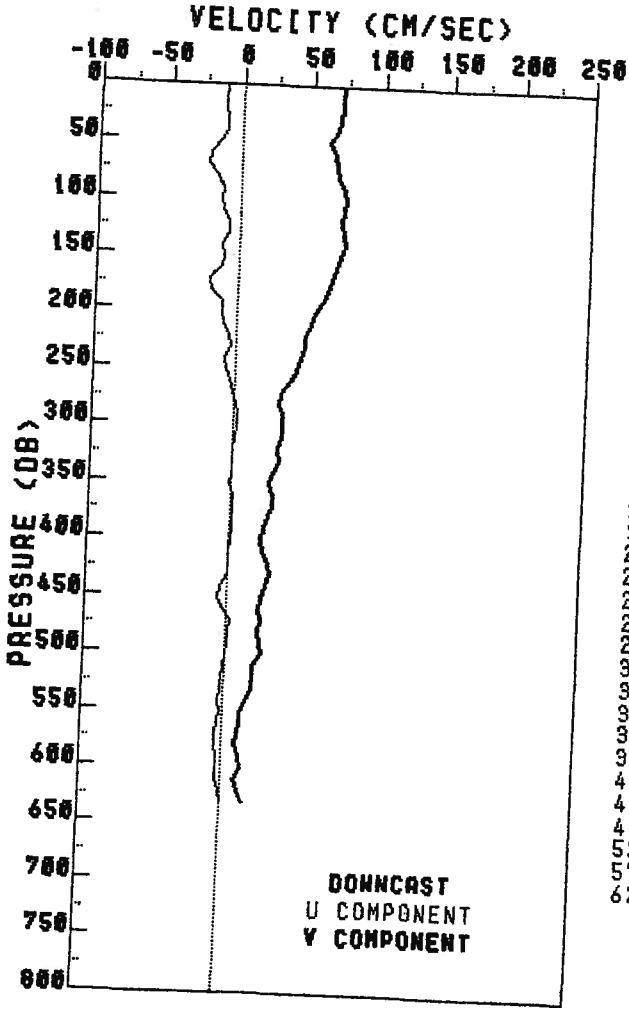


PRES	U	V
0	-18.2	90.8
10	-18.2	90.8
20	-18.2	90.8
30	-18.2	90.8
40	-14.4	92.5
50	-14.6	96.2
60	-10.9	97.8
70	-17.8	97.2
80	-20.2	103.9
90	-22.1	104.9
100	-23.5	96.6
110	-23.9	90.6
120	-28.7	92.4
130	-28.7	95.9
140	-14.5	93.4
150	-13.5	84.8
160	-9.1	79.5
170	-11.8	75.0
180	-12.8	72.9
190	-1.9	71.9
200	-8.5	74.9
220	5.5	69.2
240	10.5	67.3
260	7.4	62.8
280	12.3	60.5
300	8.1	51.8
320	1.7	50.2
340	-7.6	49.0
360	-3.3	50.5
380	3.2	43.9
400	-4.1	49.2
420	-3.3	45.7

VK-STACS9-83 PEGASUS 079 STN 7

R/V VIRGINIA KEY JDAY 224 TIME 0802Z

LATITUDE 26.99 N LONGITUDE 79.29 W

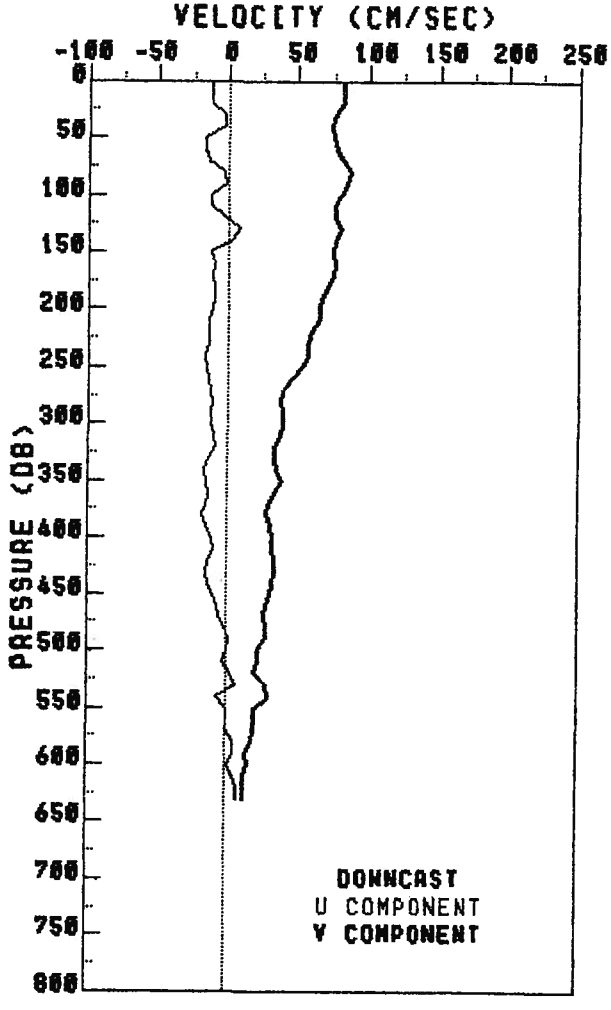


PRES	U	V
0	-11.4	72.1
10	-11.4	72.1
20	-11.4	72.1
30	-10.9	70.9
40	-10.6	68.5
50	-14.6	63.5
60	-21.3	67.7
70	-22.2	69.4
80	-16.5	70.7
90	-11.8	74.0
100	-12.9	75.8
110	-12.1	73.7
120	-7.3	72.3
130	-7.2	73.8
140	-12.0	75.9
150	-10.2	73.2
160	-12.1	69.7
170	-20.2	67.8
180	-18.0	65.2
190	-9.9	61.2
200	-9.8	56.2
220	-5.1	49.9
240	-8.3	46.7
260	-3.8	39.7
280	1.5	33.8
300	2.8	35.8
320	0.1	32.9
340	0.9	31.2
360	1.7	30.8
380	2.3	28.4
400	1.8	23.3
420	1.0	28.9
470	3.8	25.0
520	-1.7	21.6
570	-5.1	11.6
620	-1.2	12.8

VK-STACS9-83 PEGASUS 081 STN 7

R/V VIRGINIA KEY JDAY 224 TIME 1118Z

LATITUDE 27.00 N LONGITUDE 79.29 W

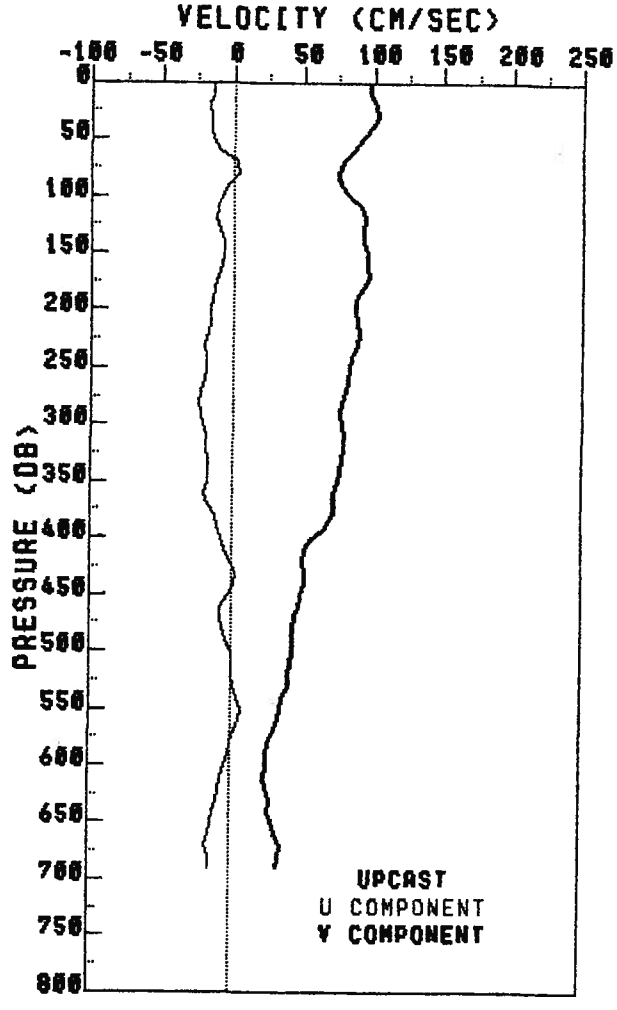


PRES	U	V
0	-11.9	81.7
10	-11.9	81.7
20	-11.9	81.7
30	-2.5	76.3
40	-2.5	74.4
50	-15.8	75.0
60	-16.8	78.5
70	-12.8	82.8
80	-1.9	87.6
90	-1.2	84.8
100	-11.9	81.1
110	-11.5	77.0
120	-2.1	76.4
130	7.9	80.5
140	2.5	77.1
150	-12.4	76.1
160	-9.1	76.6
170	-10.7	75.8
180	-9.7	71.2
190	-9.0	66.9
200	-10.5	65.5
220	-13.5	60.8
240	-16.5	58.0
260	-13.7	46.4
280	-11.3	38.7
300	-11.8	40.2
320	-8.0	34.9
340	-15.8	35.2
360	-13.6	34.2
380	-16.9	29.3
400	-10.4	33.7
420	-12.9	34.9
470	-5.4	27.6
520	2.8	20.7
570	0.3	21.2
620	8.0	13.8

VK-STACS9-83 PEGASUS 084 STN 6

R/V VIRGINIA KEY JDAY 224 TIME 2123Z

LATITUDE 26.99 N LONGITUDE 79.40 W

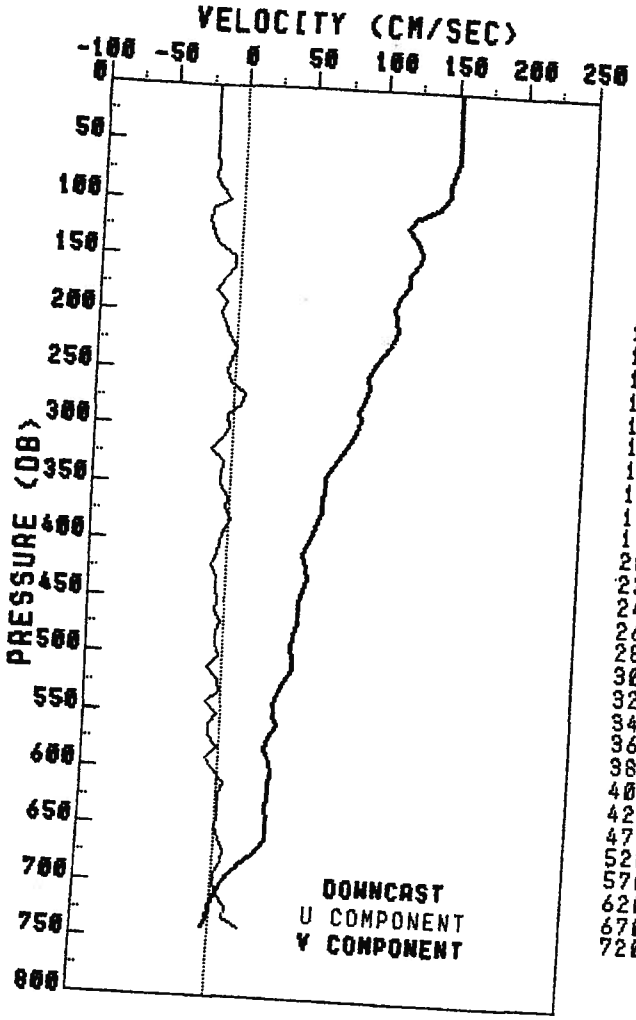


PRES	U	V
0	-14.2	97.1
10	-14.2	97.1
20	-16.6	101.7
30	-16.3	102.8
40	-16.3	99.2
50	-14.8	91.9
60	-9.0	86.4
70	2.6	78.9
80	4.2	75.1
90	-3.5	76.8
100	-7.7	83.7
110	-10.0	92.6
120	-11.2	94.7
130	-9.6	93.2
140	-6.7	93.7
150	-5.7	95.6
160	-7.3	96.5
170	-10.5	97.6
180	-12.9	93.9
190	-14.4	88.1
200	-15.8	87.7
220	-17.6	90.7
240	-19.1	85.8
260	-19.3	82.2
280	-23.5	79.0
300	-20.8	77.9
320	-18.0	79.6
340	-16.7	77.8
360	-19.7	72.7
380	-12.4	73.1
400	-8.2	57.9
420	-0.6	51.0
470	-8.0	45.4
520	0.4	42.0
570	3.0	31.5
620	-7.6	27.1
670	-16.7	37.8

VK-STACS9-83 PEGASUS 085 STN 5

R/V VIRGINIA KEY JDAY 224 TIME 2318Z

LATITUDE 26.99 N LONGITUDE 79.49 W

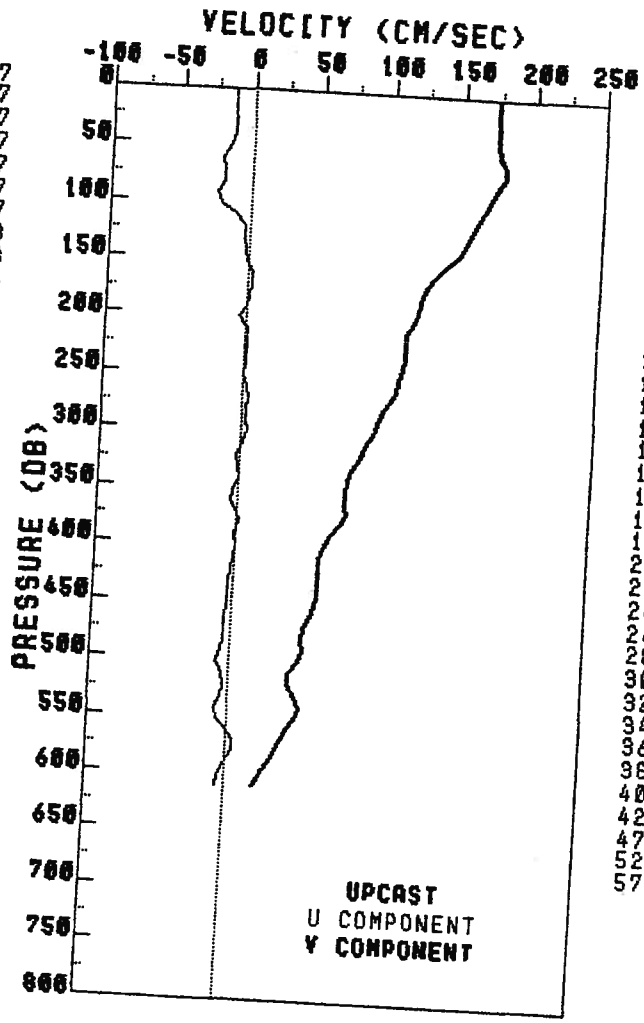


PRES	U	V
0	-20.1	153.7
10	-20.1	153.7
20	-20.1	153.7
30	-20.1	153.7
40	-20.1	153.7
50	-20.1	153.7
60	-20.1	153.7
70	-19.5	150.3
80	-20.8	148.3
90	-15.7	148.4
100	-9.8	141.6
110	-21.3	125.7
120	-22.4	118.6
130	-20.5	126.2
140	-15.6	130.3
150	-3.4	128.3
160	-4.5	122.1
170	-10.6	121.6
180	-15.8	115.3
190	-8.6	111.7
200	-12.2	113.8
220	-5.7	112.4
240	-2.5	100.3
260	-3.1	96.9
280	5.6	90.0
300	-2.9	89.3
320	-14.4	79.7
340	-7.2	69.0
360	-0.9	67.2
380	1.6	63.9
400	-4.7	57.7
420	-11.0	57.6
470	-2.6	53.9
520	-2.8	45.5
570	-7.7	36.5
620	1.3	36.5
670	6.8	30.4
720	11.5	0.5

VK-STACS9-83 PEGASUS 086 STN 4

R/V VIRGINIA KEY JDAY 225 TIME 0125Z

LATITUDE 26.98 N LONGITUDE 79.61 W

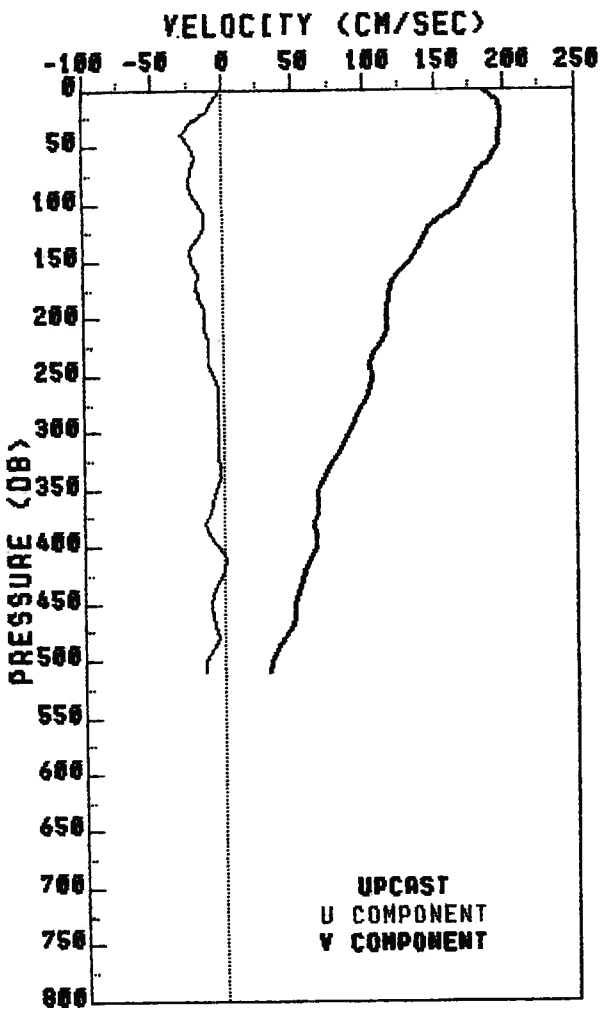


PRES	U	V
0	-13.4	174.7
10	-13.4	174.7
20	-13.4	174.7
30	-13.4	174.7
40	-13.4	174.7
50	-15.4	175.3
60	-21.5	179.2
70	-20.0	179.9
80	-19.7	174.8
90	-24.3	169.7
100	-21.1	165.7
110	-10.3	162.2
120	-3.4	158.2
130	-3.5	153.9
140	-2.8	149.5
150	-1.5	141.4
160	3.1	133.0
170	3.6	127.0
180	2.2	124.4
190	-0.1	123.8
200	-5.6	120.5
220	2.0	114.9
240	1.9	113.8
260	3.1	109.7
280	3.4	100.7
300	4.7	94.4
320	-1.9	86.3
340	0.7	78.7
360	-4.9	77.3
380	2.3	74.7
400	0.3	64.0
420	-1.9	60.2
470	-4.7	52.8
520	-3.2	42.7
570	4.1	38.2

VK-STACS9-83 PEGASUS 087 STN 3

R/V VIRGINIA KEY JDAY 225 TIME 0303Z

LATITUDE 27.00 N LONGITUDE 79.69 W

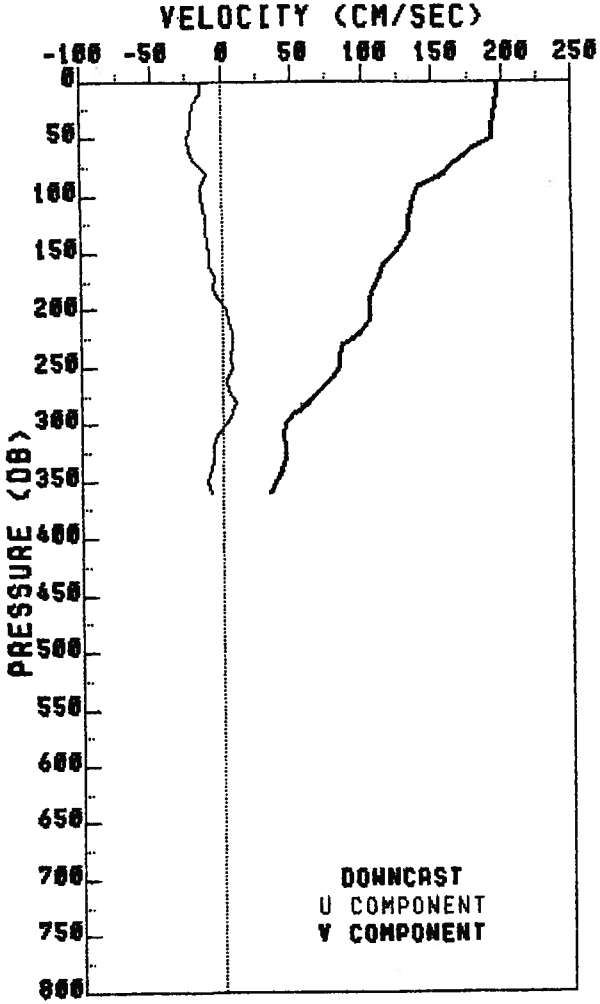


PRES	U	V
0	-0.7	185.7
10	-6.4	196.6
20	-10.9	199.0
30	-21.0	198.3
40	-27.9	197.7
50	-21.4	197.1
60	-19.6	191.0
70	-22.1	182.5
80	-23.4	177.9
90	-22.0	174.1
100	-16.8	168.0
110	-13.8	157.7
120	-13.1	146.4
130	-17.2	142.0
140	-22.6	139.0
150	-21.4	133.4
160	-17.6	125.0
170	-18.8	118.6
180	-18.1	117.3
190	-13.5	116.3
200	-13.8	116.0
220	-10.7	113.9
240	-10.2	104.4
260	-4.4	104.2
280	-4.1	96.5
300	-4.1	88.8
320	-3.2	81.4
340	-2.7	71.3
360	-7.4	67.6
380	-12.8	65.2
400	-3.6	65.4
420	-0.1	58.2
470	-6.3	49.6

VK-STACS9-83 PEGASUS 088 STN 2

R/V VIRGINIA KEY JDAY 225 TIME 0445Z

LATITUDE 26.98 N LONGITUDE 79.78 W

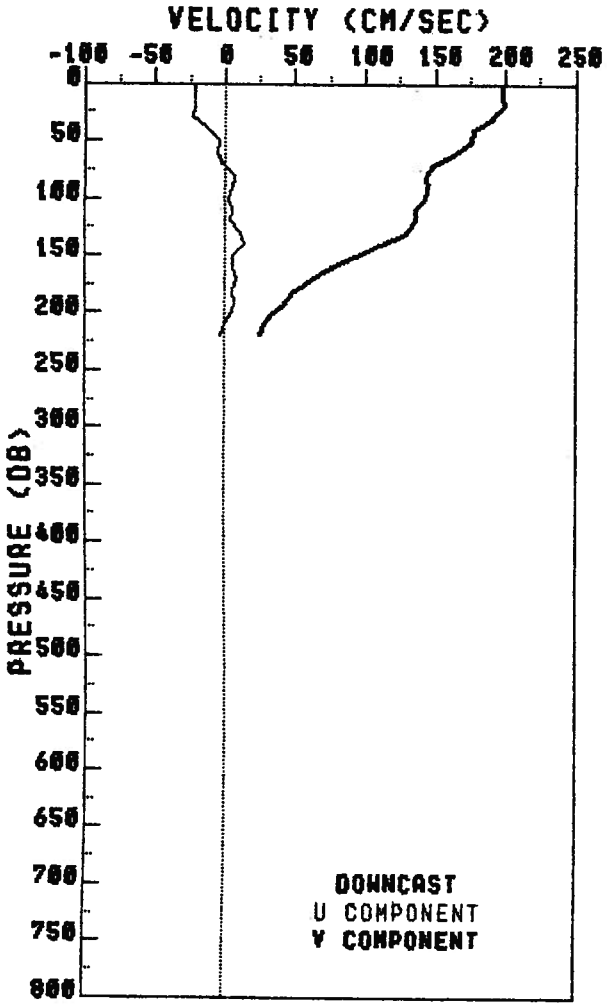


PRES	U	V
0	-14.5	197.3
10	-14.5	197.3
20	-19.9	195.8
30	-20.8	195.3
40	-21.4	193.6
50	-23.6	193.6
60	-22.7	176.5
70	-18.1	167.4
80	-10.6	158.7
90	-14.7	141.1
100	-15.1	137.1
110	-13.1	135.3
120	-12.4	133.2
130	-12.1	133.5
140	-10.4	129.7
150	-9.5	123.9
160	-8.8	116.0
170	-4.5	113.0
180	-5.8	107.9
190	-2.8	105.3
200	2.9	105.9
220	7.8	98.6
240	5.4	84.3
260	3.6	78.6
280	9.5	61.5
300	2.6	46.0
320	-6.6	45.0
340	-7.7	42.9
360	-8.0	34.3

VK-STACS9-83 PEGASUS 089 STN 1

R/V VIRGINIA KEY JDAY 225 TIME 0558Z

LATITUDE 26.99 N LONGITUDE 79.87 W

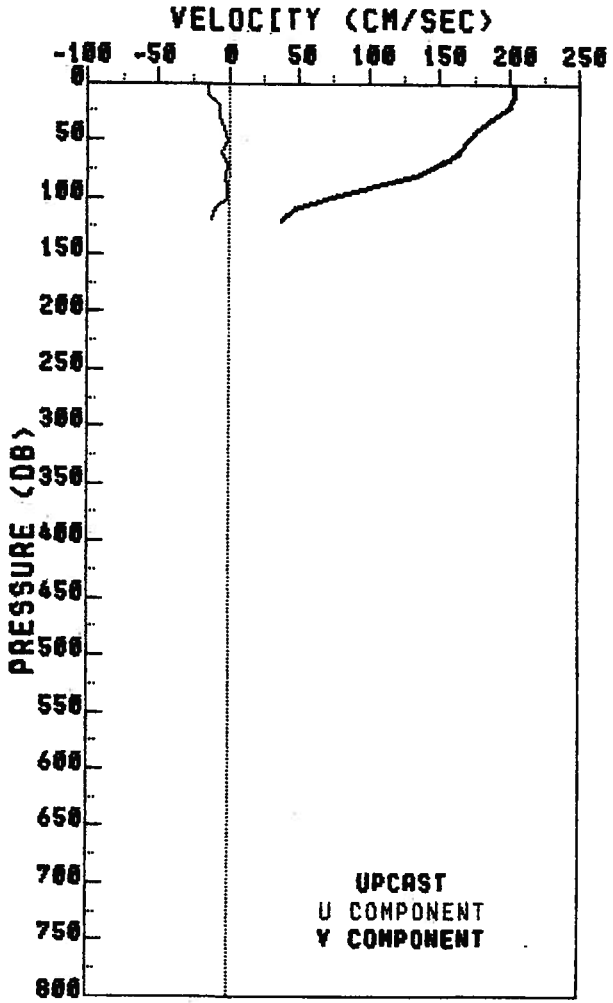


PRES	U	V
0	-21.9	198.0
10	-21.9	198.0
20	-21.9	200.0
30	-22.4	191.0
40	-12.5	178.5
50	-3.9	177.0
60	-4.9	164.7
70	-0.9	149.5
80	6.8	144.0
90	6.1	145.5
100	2.9	143.3
110	5.9	137.6
120	4.8	137.3
130	11.1	130.0
140	14.4	110.3
150	5.2	92.6
160	5.1	75.9
170	7.9	62.0
180	6.3	51.0
190	6.9	44.2
200	5.4	36.3
220	-3.0	26.5

VK-STACS9-83 PEGASUS 090 STN 0

R/V VIRGINIA KEY JDAY 225 TIME 0703Z

LATITUDE 27.00 N LONGITUDE 79.94 W

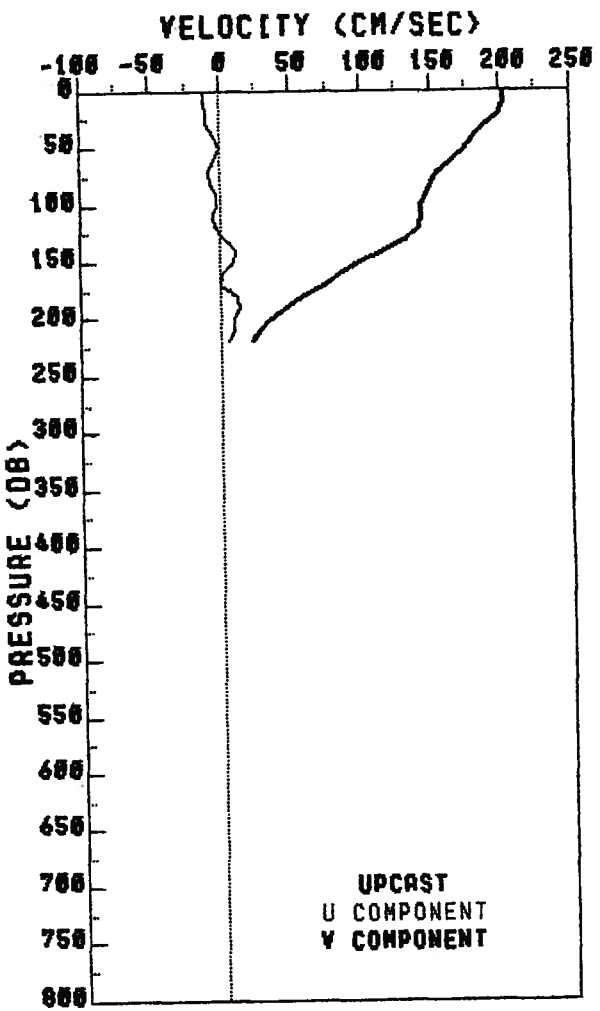


PRES	U	V
0	-13.9	204.5
10	-13.9	204.5
20	-6.9	201.4
30	-6.7	189.7
40	-3.3	178.8
50	-0.6	170.9
60	-5.2	165.1
70	-1.2	151.5
80	-1.9	133.3
90	-0.4	100.5
100	-0.3	68.9
110	-8.9	47.3
120	-12.4	37.8

VK-STACS9-83 PEGASUS 091 STN 1

R/V VIRGINIA KEY JDAY 225 TIME 0800Z

LATITUDE 26.99 N LONGITUDE 79.87 W

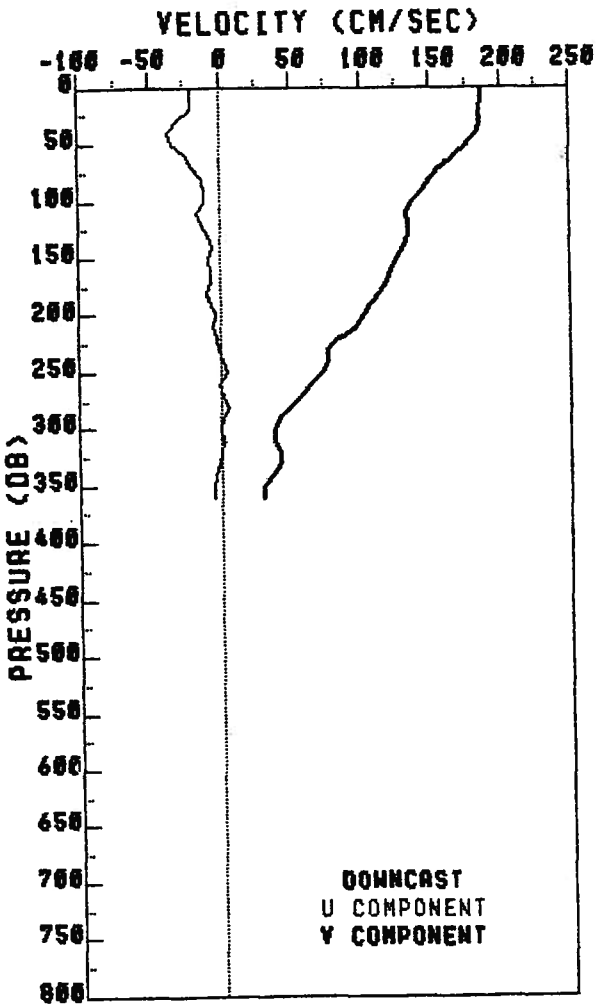


PRES	U	V
0	-10.7	204.1
10	-10.7	204.1
20	-8.8	200.8
30	-9.7	192.3
40	-4.2	183.3
50	-0.4	176.1
60	-4.1	166.8
70	-7.6	158.1
80	-6.1	152.1
90	-3.0	148.5
100	-2.5	144.1
110	-5.1	144.3
120	-3.4	142.1
130	3.0	132.8
140	11.0	117.4
150	9.9	99.0
160	1.1	84.3
170	-0.1	74.1
180	12.5	57.3
190	14.0	45.1
200	9.8	37.2
220	5.4	24.0

VK-STACS9-83 PEGASUS 092 STN 2

R/V VIRGINIA KEY JDAY 225 TIME 0919Z

LATITUDE 26.98 N LONGITUDE 79.78 W

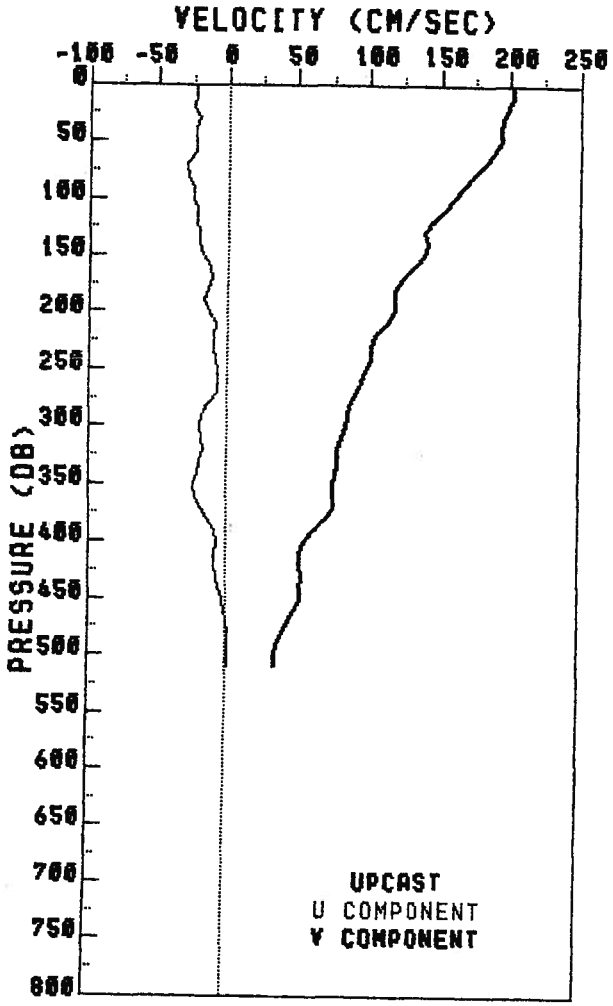


PRES	U	V
0	-20.4	188.1
10	-20.4	188.1
20	-20.6	186.6
30	-29.0	186.8
40	-35.8	184.8
50	-33.8	176.9
60	-23.1	167.0
70	-18.5	157.5
80	-12.4	151.4
90	-11.0	145.9
100	-10.7	137.1
110	-15.4	133.4
120	-13.0	134.3
130	-7.6	134.5
140	-4.5	131.7
150	-7.4	126.1
160	-6.2	122.2
170	-5.7	119.8
180	-9.5	114.7
190	-6.8	107.7
200	-3.6	103.6
220	-2.0	84.9
240	2.3	77.7
260	-0.5	65.1
280	5.6	49.5
300	0.0	38.7
320	1.0	42.9
340	-3.5	38.1
360	-5.0	30.2

YK-STACS9-83 PEGASUS 093 STN 3

R/V VIRGINIA KEY JDAY 225 TIME 1043Z

LATITUDE 27.00 N LONGITUDE 79.69 W

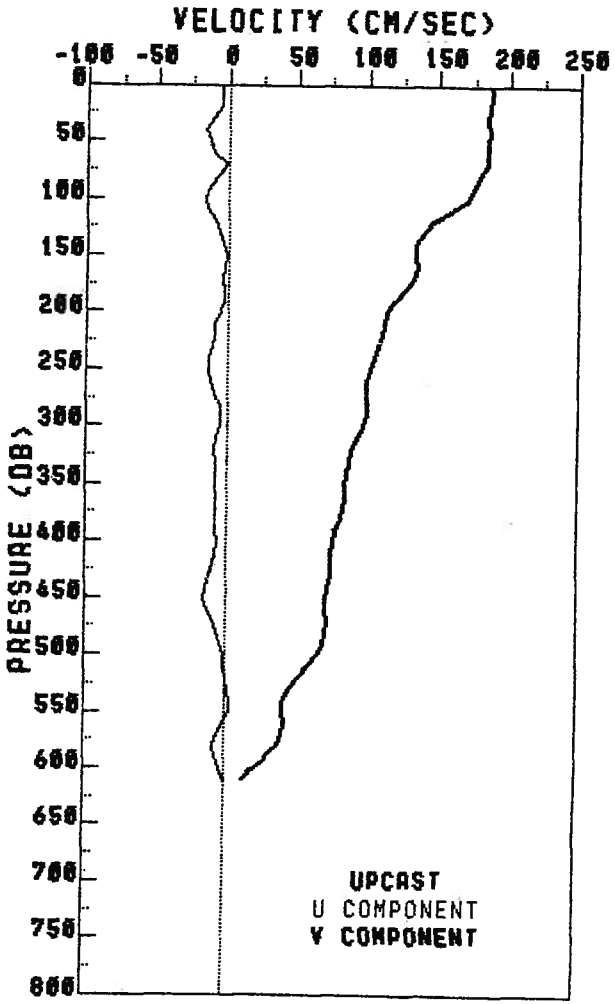


PRES	U	V
0	-22.4	203.1
10	-22.4	203.1
20	-23.8	199.2
30	-20.4	195.5
40	-23.0	194.4
50	-23.0	194.6
60	-22.9	189.4
70	-29.9	182.0
80	-28.8	174.4
90	-24.9	167.2
100	-24.1	160.7
110	-21.9	154.4
120	-21.5	146.8
130	-20.8	140.0
140	-19.9	142.5
150	-18.0	140.4
160	-12.6	133.2
170	-11.1	124.9
180	-13.7	119.2
190	-16.7	119.6
200	-12.1	119.7
220	-8.9	104.9
240	-7.5	102.4
260	-5.9	95.8
280	-13.2	87.9
300	-18.3	84.8
320	-16.6	79.4
340	-20.6	78.6
360	-21.5	77.0
380	-13.0	71.3
400	-7.1	56.7
420	-7.9	53.2
470	0.1	45.5

YK-STACS9-83 PEGASUS 094 STN 4

R/V VIRGINIA KEY JDAY 225 TIME 1230Z

LATITUDE 26.98 N LONGITUDE 79.61 W

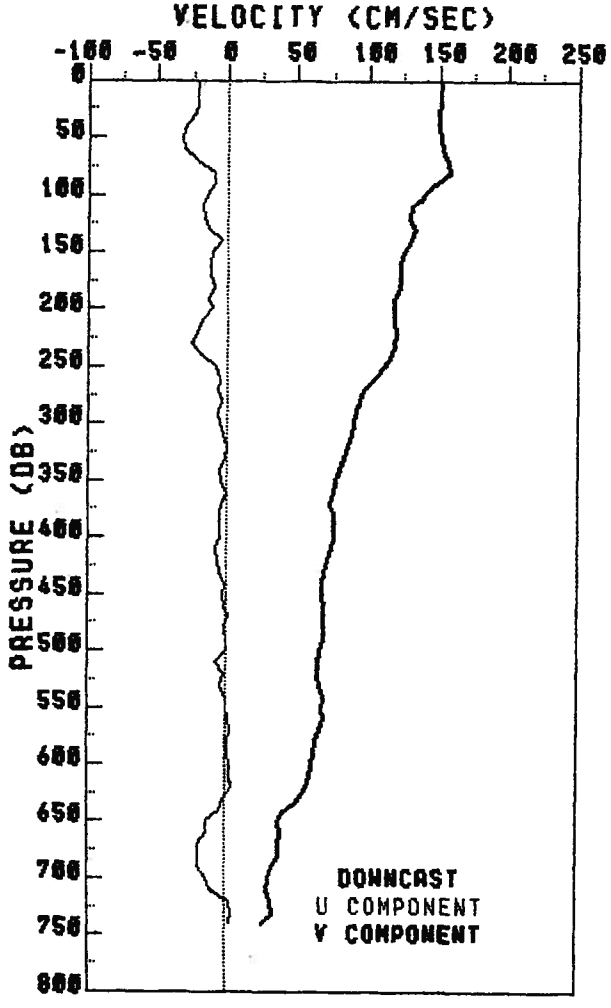


PRES	U	V
0	-5.1	187.3
10	-5.1	187.3
20	-5.5	186.2
30	-9.8	185.4
40	-15.4	185.9
50	-13.7	184.6
60	-10.0	185.6
70	-0.7	185.7
80	-6.8	179.7
90	-13.8	175.2
100	-15.6	171.2
110	-14.1	159.9
120	-9.5	147.3
130	-6.6	139.6
140	-8.7	135.0
150	-1.5	134.4
160	-2.5	136.1
170	-3.4	133.0
180	-1.8	126.8
190	-1.9	119.2
200	-5.4	113.9
220	-9.4	111.4
240	-13.4	105.9
260	-11.4	100.2
280	-5.5	100.6
300	-5.2	97.3
320	-8.9	89.6
340	-7.5	86.7
360	-7.9	84.8
380	-7.2	82.1
400	-6.9	76.5
420	-9.7	75.7
470	-9.5	72.5
520	0.5	53.0
570	-5.3	41.8

VK-STACS9-83 PEGASUS 095 STN 5

R/V VIRGINIA KEY JDAY 225 TIME 1414Z

LATITUDE 26.99 N LONGITUDE 79.49 W

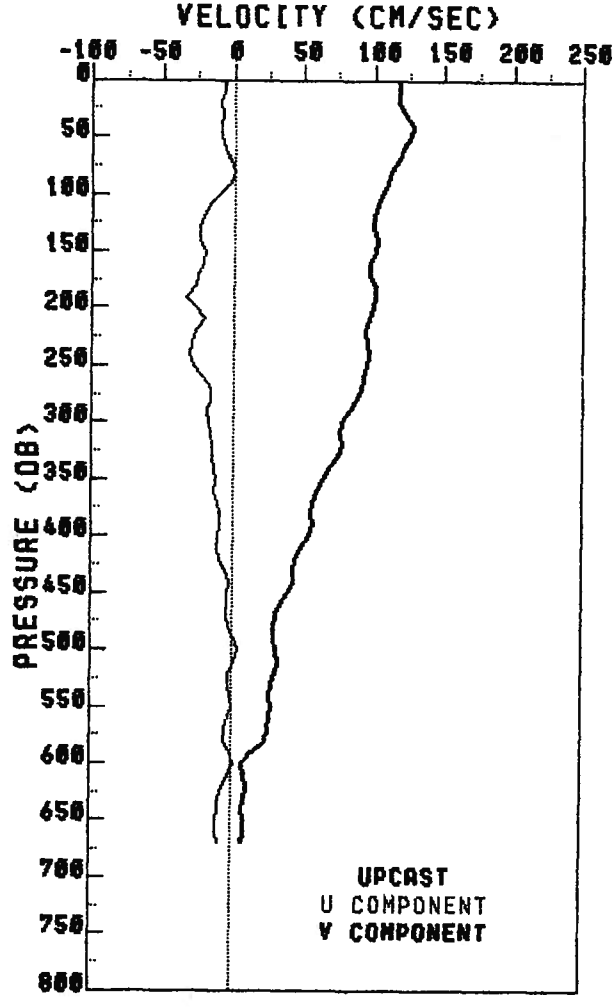


PRES	U	V
0	-21.8	151.6
10	-21.8	151.6
20	-21.8	151.6
30	-22.6	151.3
40	-30.1	150.7
50	-32.8	151.7
60	-30.7	153.2
70	-21.5	156.9
80	-9.4	159.0
90	-9.5	148.0
100	-14.4	139.9
110	-17.2	132.1
120	-15.5	129.9
130	-13.0	134.5
140	-4.2	131.1
150	-10.7	126.0
160	-11.8	122.9
170	-12.0	123.2
180	-9.1	123.8
190	-13.1	119.6
200	-11.2	118.7
220	-22.3	120.5
240	-17.1	117.6
260	-5.7	106.2
280	-4.2	94.2
300	-4.6	90.7
320	0.2	86.4
340	-5.1	80.4
360	0.2	77.3
380	-4.7	76.4
400	-4.7	76.4
420	-6.5	72.2
470	1.6	69.9
520	-1.3	66.5
570	3.2	67.7
620	4.2	58.1
670	-19.2	38.9
720	2.6	32.9

VK-STACS9-83 PEGASUS 096 STN 6

R/V VIRGINIA KEY JDAY 225 TIME 1711Z

LATITUDE 26.99 N LONGITUDE 79.40 W

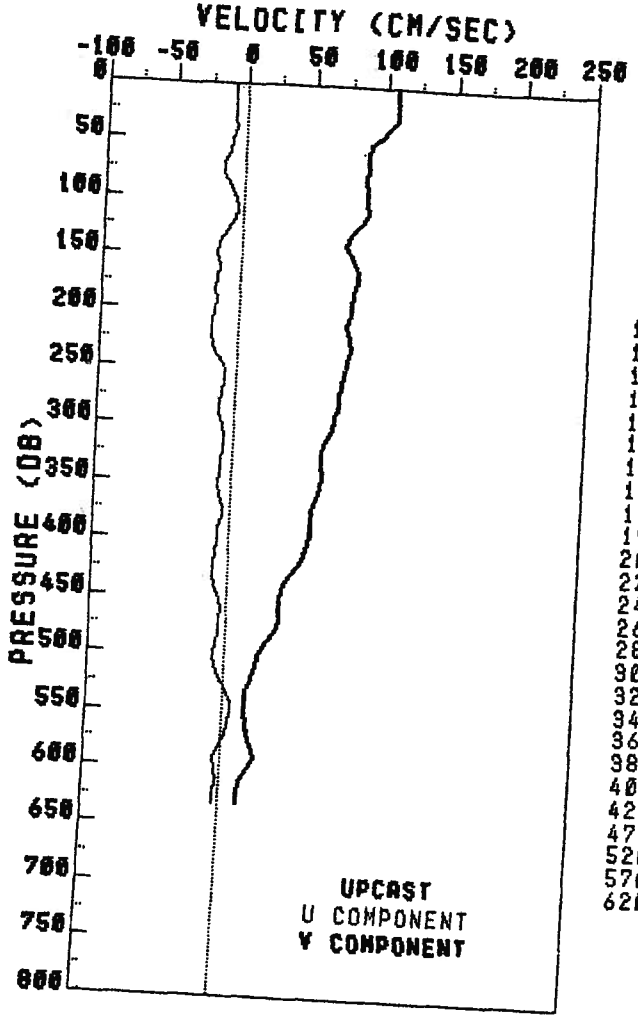


PRES	U	V
0	-6.7	118.5
10	-6.7	118.5
20	-8.6	118.5
30	-8.3	122.6
40	-8.8	128.3
50	-9.5	126.5
60	-6.4	121.2
70	-1.9	117.4
80	0.7	113.0
90	-2.8	109.3
100	-10.2	106.0
110	-17.3	103.0
120	-21.0	100.5
130	-23.5	100.4
140	-23.9	103.1
150	-20.3	102.3
160	-21.0	97.9
170	-25.0	97.5
180	-26.5	101.6
190	-33.7	101.9
200	-27.0	101.0
220	-26.9	94.3
240	-30.6	97.8
260	-22.0	93.9
280	-16.3	87.6
300	-17.7	78.6
320	-14.9	79.0
340	-13.2	68.8
360	-12.5	60.7
380	-8.7	57.1
400	-10.1	55.1
420	-9.3	45.0
470	-3.0	31.6
520	-2.1	31.4
570	-4.9	27.1
620	-6.6	11.5
670	-9.0	8.4

VK-STACS9-83 PEGASUS 097 STN 7

R/V VIRGINIA KEY JDAY 225 TIME 1806Z

LATITUDE 27.00 N LONGITUDE 79.29 W

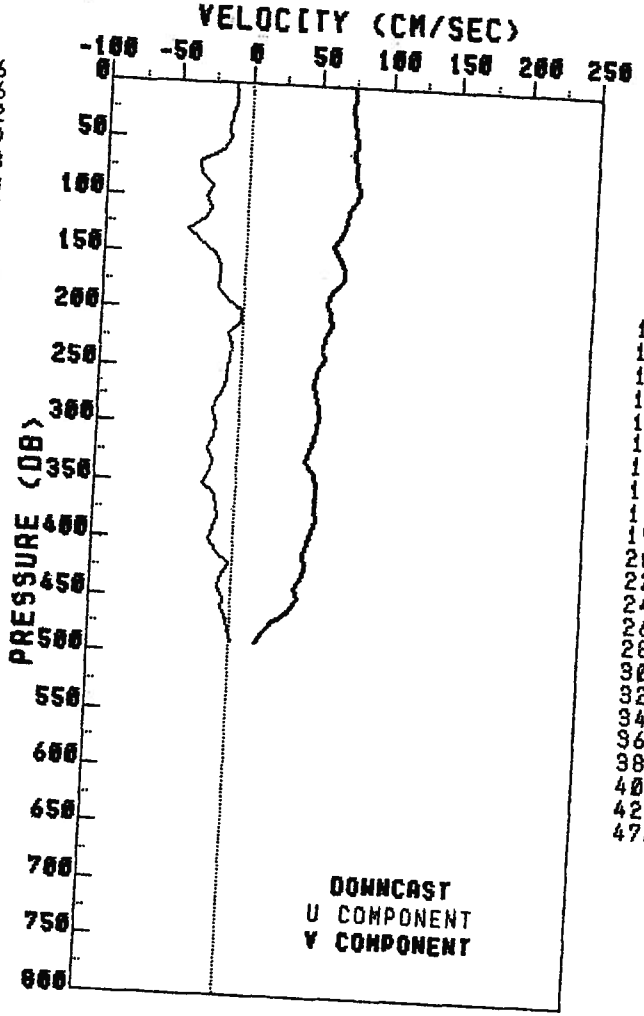


PRES	U	V
0	-8.0	107.6
10	-8.0	107.6
20	-8.3	108.2
30	-7.6	107.9
40	-6.6	99.8
50	-8.7	90.8
60	-10.3	89.3
70	-14.2	89.8
80	-15.1	87.7
90	-9.6	88.4
100	-4.8	89.8
110	-3.2	90.1
120	-5.2	85.8
130	-10.1	78.6
140	-16.6	75.8
150	-16.9	80.5
160	-14.3	85.7
170	-16.3	84.6
180	-17.2	81.6
190	-16.8	81.4
200	-18.0	80.5
220	-19.0	80.8
240	-13.1	79.1
260	-7.7	77.0
280	-10.6	75.1
300	-8.5	71.1
320	-7.2	63.9
340	-8.5	65.9
360	-7.4	61.6
380	-5.7	58.7
400	-8.4	57.4
420	-10.6	50.4
470	-5.3	39.0
520	-4.1	20.3
570	2.7	19.2
620	-4.0	14.3

VK-STACS9-83 PEGASUS 098 STN 8

R/V VIRGINIA KEY JDAY 225 TIME 1941Z

LATITUDE 26.99 N LONGITUDE 79.20 W

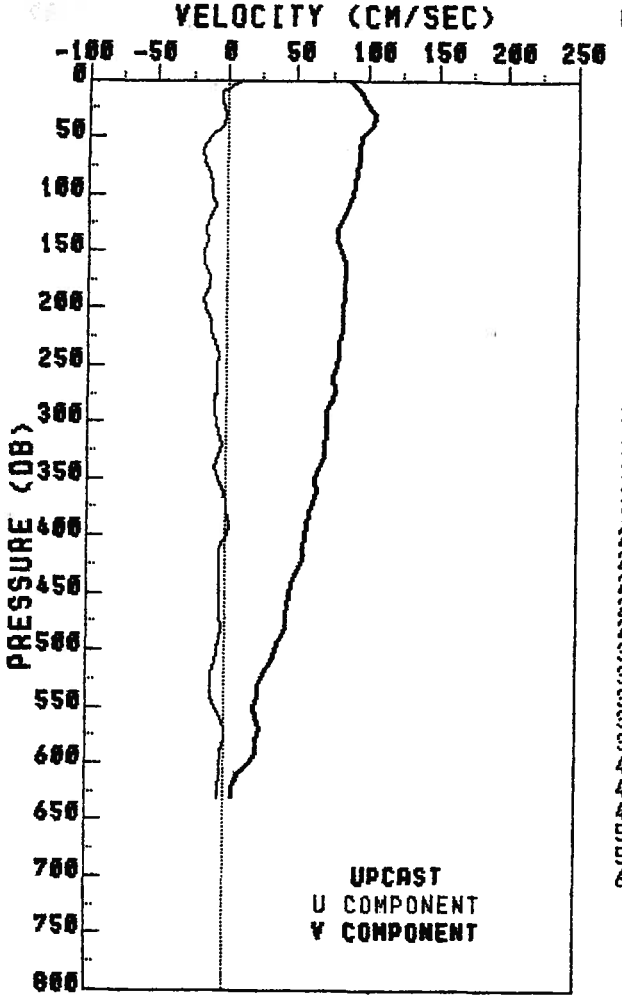


PRES	U	V
0	-10.0	74.0
10	-10.0	74.0
20	-9.8	73.6
30	-13.2	73.8
40	-14.6	75.8
50	-13.4	76.7
60	-18.8	75.2
70	-34.5	77.3
80	-33.8	77.3
90	-25.7	79.8
100	-30.0	77.9
110	-25.4	73.6
120	-29.4	71.9
130	-42.3	69.5
140	-31.7	68.1
150	-21.1	68.0
160	-16.9	71.5
170	-17.9	71.3
180	-18.4	64.0
190	-11.1	60.2
200	-1.1	63.1
220	-9.6	60.0
240	-8.1	60.0
260	-8.7	53.9
280	-17.5	58.0
300	-16.5	56.0
320	-21.9	52.7
340	-19.0	56.8
360	-14.1	57.5
380	-11.4	59.7
400	-16.9	53.6
420	-2.7	53.2
470	-2.5	32.4

VK-STACS9-83 PEGASUS 099 STN 7

R/V VIRGINIA KEY JDAY 225 TIME 2108Z

LATITUDE 27.00 N LONGITUDE 79.29 W

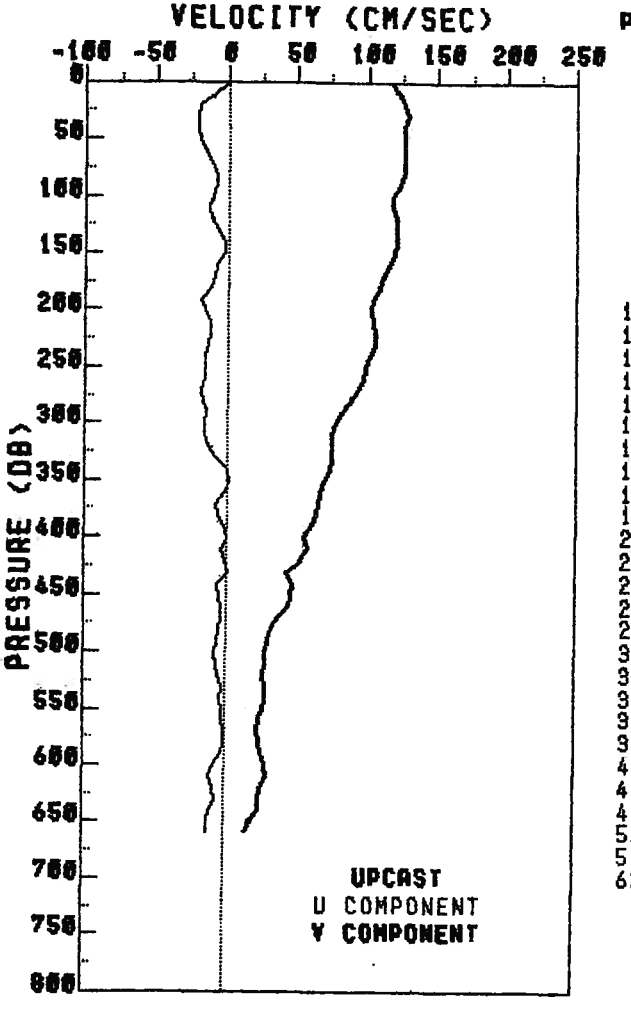


PRES	U	V
0	9.2	87.1
10	-4.3	96.5
20	-4.1	98.2
30	-1.2	105.0
40	-2.4	104.1
50	-12.4	95.6
60	-18.0	94.3
70	-16.2	95.2
80	-11.7	93.4
90	-10.1	92.3
100	-10.2	90.6
110	-8.5	87.1
120	-12.2	83.0
130	-15.0	80.2
140	-13.9	79.7
150	-16.8	82.8
160	-16.4	84.7
170	-11.5	85.1
180	-12.4	85.2
190	-16.6	85.0
200	-14.3	84.2
220	-10.7	84.0
240	-5.3	80.4
260	-7.1	76.1
280	-8.1	76.6
300	-6.9	72.5
320	-2.8	71.8
340	-7.6	67.8
360	-1.2	65.4
380	0.7	60.0
400	1.2	58.0
420	-4.5	55.9
470	-3.3	44.0
520	-9.2	29.6
570	0.6	26.0
620	-3.4	7.0

VK-STACS9-83 PEGASUS 100 STN 6

R/V VIRGINIA KEY JDAY 225 TIME 2253

LATITUDE 26.99 N LONGITUDE 79.40 W

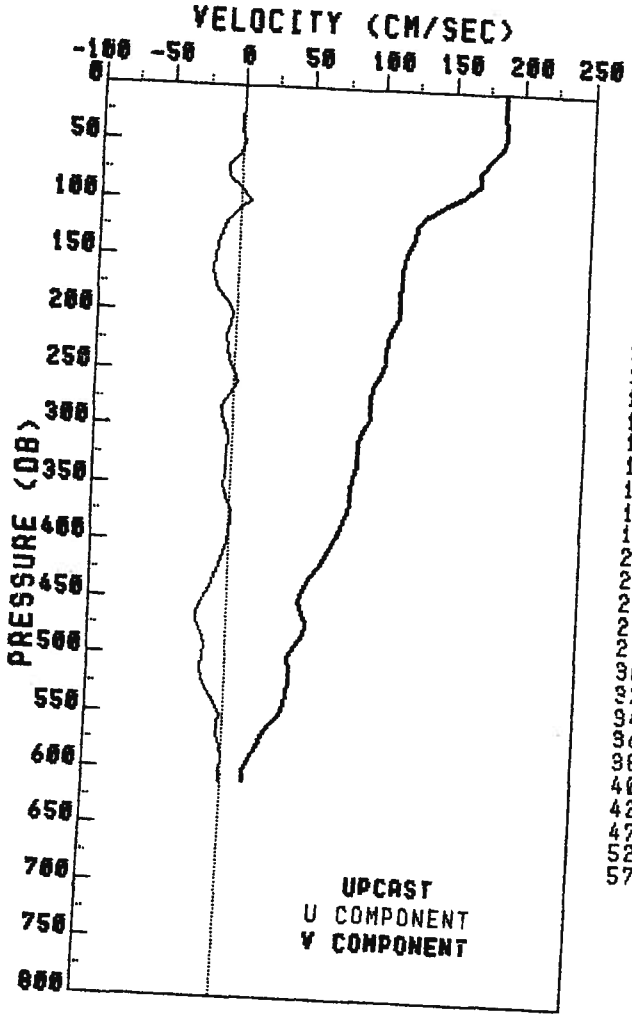


PRES	U
0	1.8
10	-9.5
20	-19.7
30	-22.0
40	-21.2
50	-19.8
60	-16.2
70	-11.4
80	-7.3
90	-7.0
100	-10.4
110	-13.4
120	-11.8
130	-6.9
140	-1.9
150	-2.6
160	-7.8
170	-9.0
180	-11.5
190	-18.3
200	-16.5
220	-11.9
240	-15.5
260	-16.2
280	-16.9
300	-16.0
320	-13.8
340	0.0
360	-2.2
380	-6.8
400	0.6
420	-0.3
470	-4.0
520	-4.5
570	-0.8
620	-8.1

VK-STACS9-83 PEGASUS 102 STN 4

R/V VIRGINIA KEY JDAY 226 TIME 0242Z

LATITUDE 26.98 N LONGITUDE 79.61 W

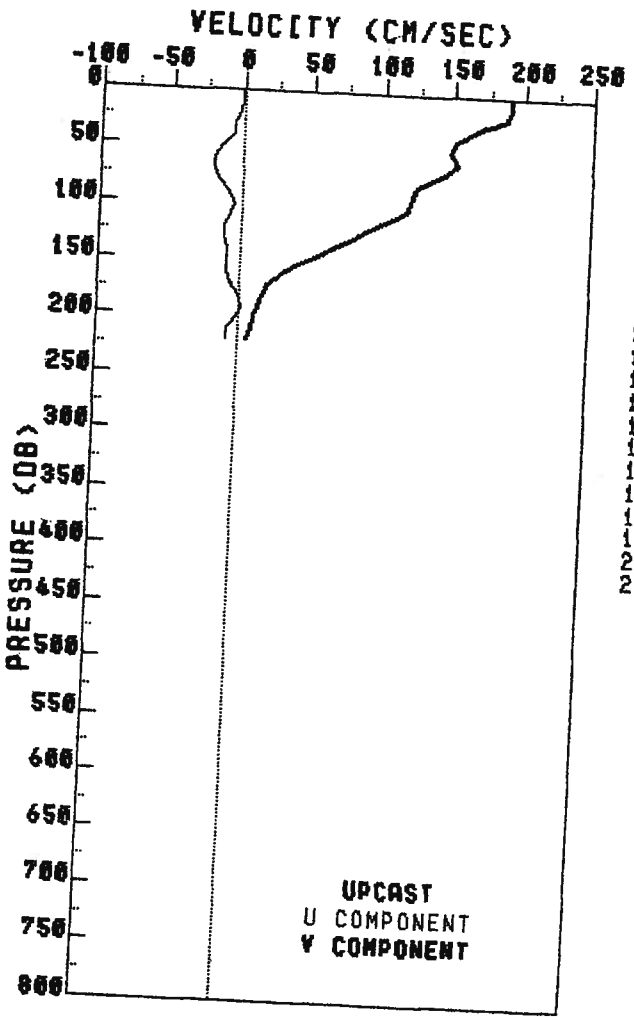


PRES	U	V
0	-0.2	187.2
10	-0.2	187.2
20	-0.2	187.2
30	-0.5	188.9
40	-1.1	189.4
50	1.7	186.1
60	-1.6	177.3
70	-9.7	171.5
80	-9.1	171.1
90	0.4	160.6
100	6.8	145.6
110	-1.2	133.6
120	-9.9	127.8
130	-12.6	125.9
140	-14.9	122.4
150	-16.7	118.9
160	-17.0	117.6
170	-16.4	117.5
180	-13.8	116.2
190	-7.2	116.9
200	-1.9	116.1
220	-6.4	109.0
240	-3.5	108.7
260	2.4	100.2
280	-7.3	99.0
300	-5.5	93.7
320	-3.7	90.4
340	-4.2	87.8
360	-2.9	86.8
380	1.2	82.7
400	-1.5	74.3
420	-6.3	65.6
470	-21.6	57.2
520	-15.6	46.4
570	-4.3	29.6

VK-STACS9-83 PEGASUS 105 STN 1

R/V VIRGINIA KEY JDAY 226 TIME 0705Z

LATITUDE 26.99 N LONGITUDE 79.87 W

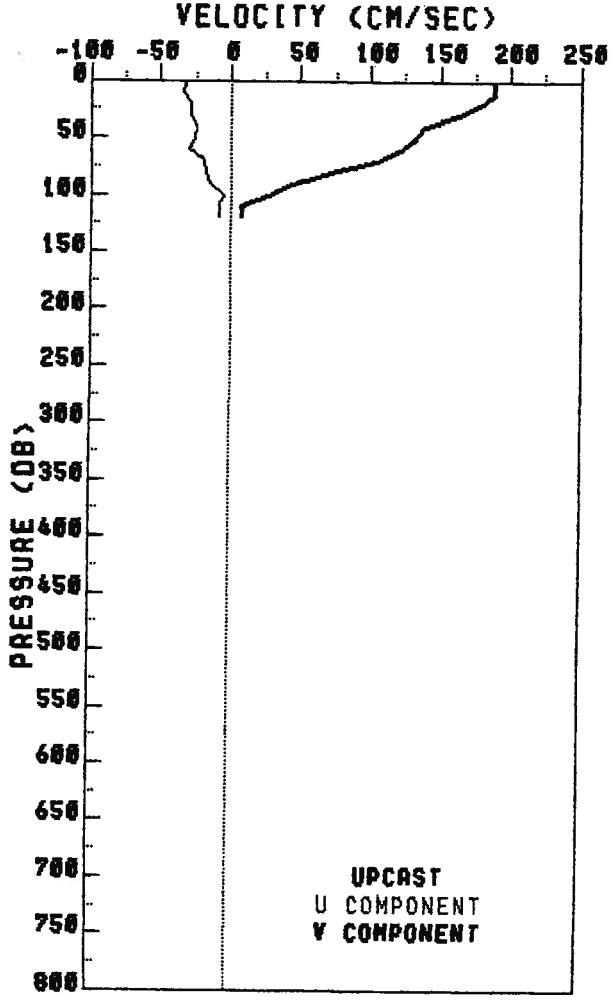


PRES	U	V
0	-0.5	190.4
10	-0.5	190.4
20	-2.2	187.5
30	-6.4	165.7
40	-6.0	152.1
50	-14.6	148.4
60	-19.6	153.3
70	-19.3	141.8
80	-16.3	124.7
90	-8.8	122.8
100	-5.4	119.8
110	-8.2	108.1
120	-11.2	91.1
130	-11.1	78.0
140	-8.8	62.6
150	-9.2	44.7
160	-9.3	30.1
170	-6.1	21.2
180	-1.1	16.8
190	1.2	13.9
200	-0.9	10.9
220	-7.3	7.1

VK-STACS9-83 PEGASUS 106 STN 0

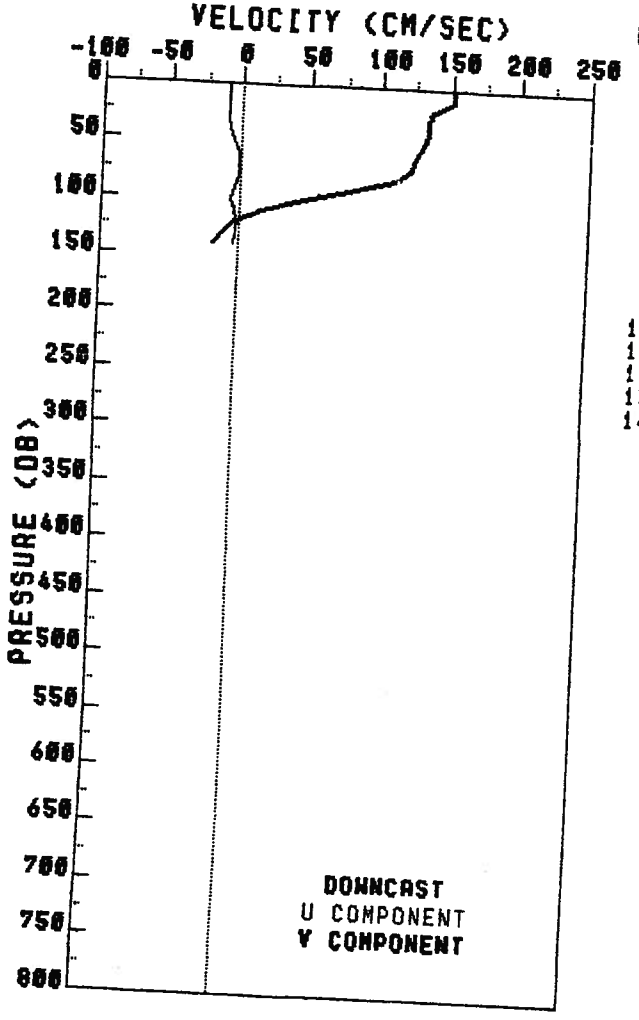
R/V VIRGINIA KEY JDAY 226 TIME 0758Z

LATITUDE 27.00 N LONGITUDE 79.94 W



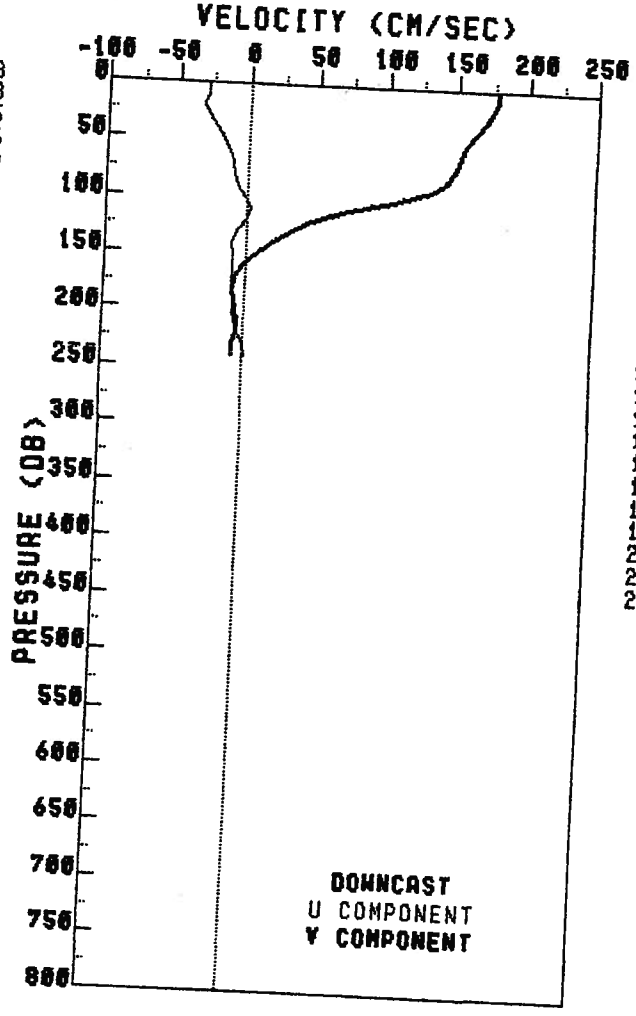
PRES	U	V
0	-32.7	189.2
10	-33.4	189.1
20	-28.1	180.7
30	-27.8	162.5
40	-24.7	139.4
50	-25.2	133.4
60	-30.0	121.4
70	-18.4	104.1
80	-17.4	71.3
90	-14.3	44.0
100	-5.2	25.8
110	-7.3	9.1
120	-7.9	8.2

RES-STACS12-83 PEGASUS 001 STN 0
R/V RESEARCHER JDAY 333 TIME 0050Z
LATITUDE 26.98 N LONGITUDE 79.92 W



PRES	U	V
0	-8.9	151.8
10	-8.9	151.8
20	-9.0	136.5
30	-9.1	134.6
40	-7.9	134.9
50	-4.8	131.8
60	-1.1	126.3
70	-0.6	122.6
80	-1.0	111.5
90	-3.3	78.0
100	-7.0	39.2
110	-3.7	16.2
120	-2.0	-2.8
130	-2.0	-10.4
140	-4.1	-18.0

RES-STACS12-83 PEGASUS 002 STN 1
R/V RESEARCHER JDAY 333 TIME 0202Z
LATITUDE 26.98 N LONGITUDE 79.87 W

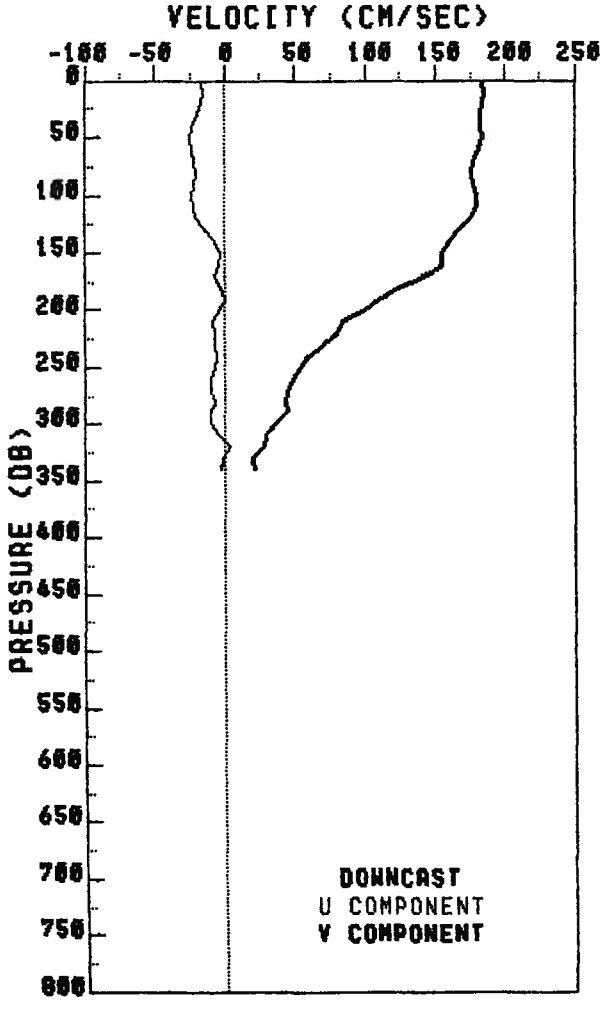


PRES	U	V
0	-29.5	178.6
10	-29.5	178.6
20	-32.0	174.4
30	-27.5	170.4
40	-22.1	163.1
50	-17.8	155.9
60	-13.5	153.1
70	-10.4	151.3
80	-9.1	146.0
90	-6.7	133.1
100	-1.3	106.2
110	2.6	73.4
120	-0.2	47.5
130	-6.1	30.7
140	-9.9	17.2
150	-9.6	7.1
160	-9.1	-0.2
170	-8.8	-6.1
180	-8.9	-7.2
190	-7.7	-6.8
200	-7.0	-5.0
220	-3.1	-3.9
240	1.5	-6.5

RES-STACS12-83 PEGASUS 003 STN 2

R/V RESEARCHER JDAY 333 TIME 0353Z

LATITUDE 26.98 N LONGITUDE 79.79 W

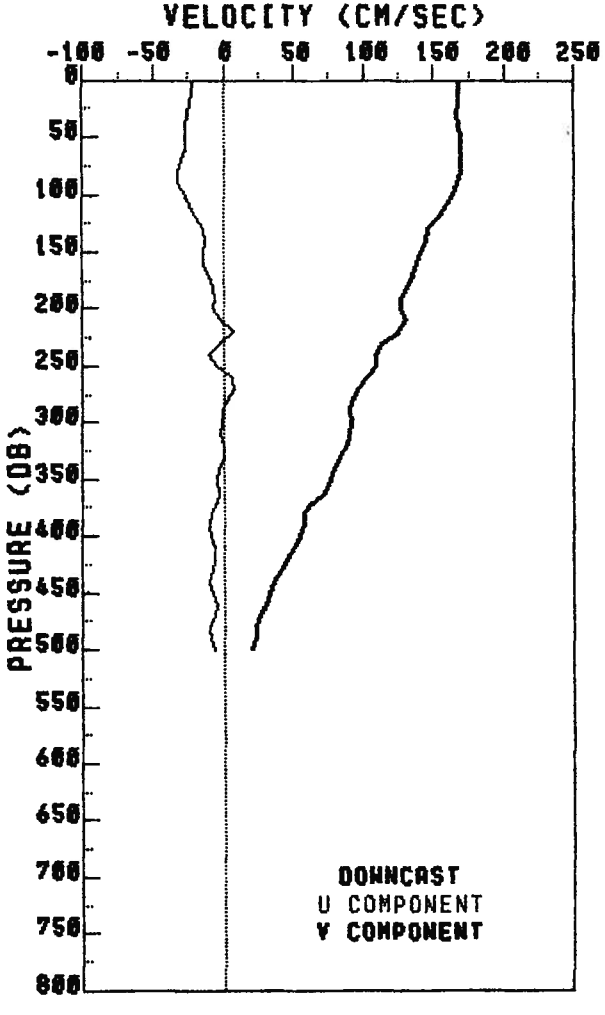


PRES	U	V
0	-16.0	185.4
10	-14.8	185.8
20	-15.8	184.6
30	-18.4	183.7
40	-23.1	184.0
50	-25.0	184.3
60	-23.3	182.2
70	-21.2	178.1
80	-20.7	176.7
90	-22.3	177.6
100	-22.4	180.1
110	-21.8	180.2
120	-19.9	176.9
130	-14.1	169.0
140	-6.3	161.3
150	-2.8	155.6
160	-3.5	156.5
170	-6.9	141.8
180	-3.0	122.6
190	-0.4	110.1
200	-2.4	100.3
220	-7.2	81.4
240	-5.9	60.3
260	-9.4	49.9
280	-7.0	43.4
300	-9.0	36.8
320	4.2	29.5
340	-2.7	22.1

RES-STACS12-83 PEGASUS 004 STN 3

R/V RESEARCHER JDAY 333 TIME 0532Z

LATITUDE 26.98 N LONGITUDE 79.68 W

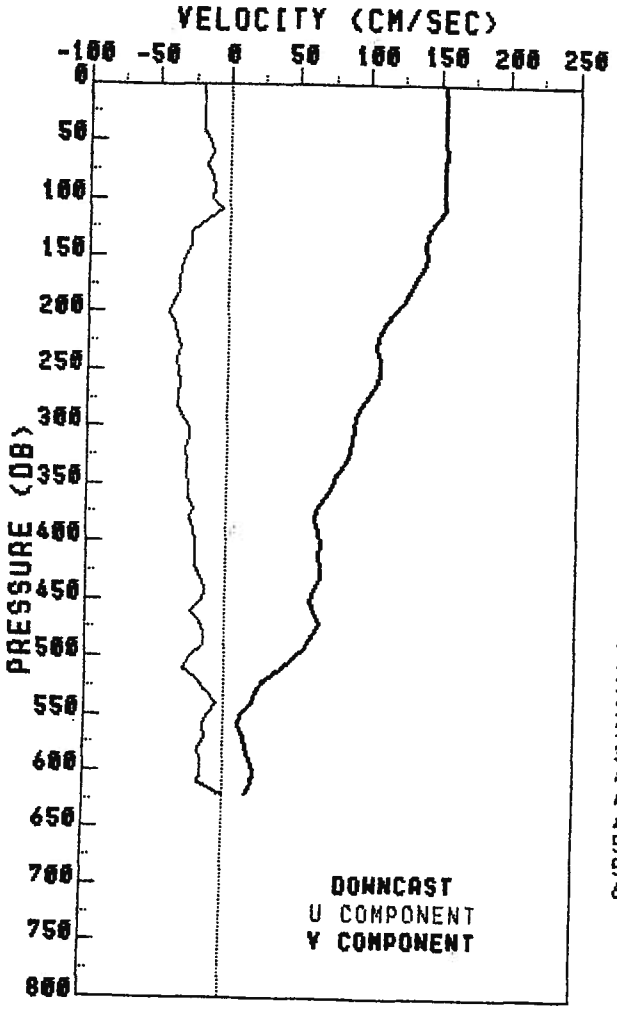


PRES	U	V
0	-23.3	168.5
10	-23.3	168.5
20	-24.7	168.1
30	-25.0	168.0
40	-26.6	169.0
50	-26.4	169.8
60	-27.0	169.5
70	-29.0	170.4
80	-32.3	170.7
90	-31.7	166.7
100	-27.3	164.7
110	-24.0	160.3
120	-19.9	154.9
130	-14.9	147.3
140	-12.6	145.5
150	-14.0	141.6
160	-14.9	138.9
170	-10.0	136.5
180	-7.4	132.2
190	-6.9	127.1
200	-7.9	127.1
220	6.8	126.6
240	-10.1	109.9
260	6.2	102.9
280	2.4	92.3
300	-0.9	91.8
320	0.2	89.8
340	-3.3	79.6
360	-3.3	73.0
380	-8.5	58.4
400	-9.4	55.7
420	-5.9	45.5
470	-6.8	26.7

RES-STACS12-83 PEGASUS 006 STN 4

R/V RESEARCHER JDAY 333 TIME 0916Z

LATITUDE 26.96 N LONGITUDE 79.63 W

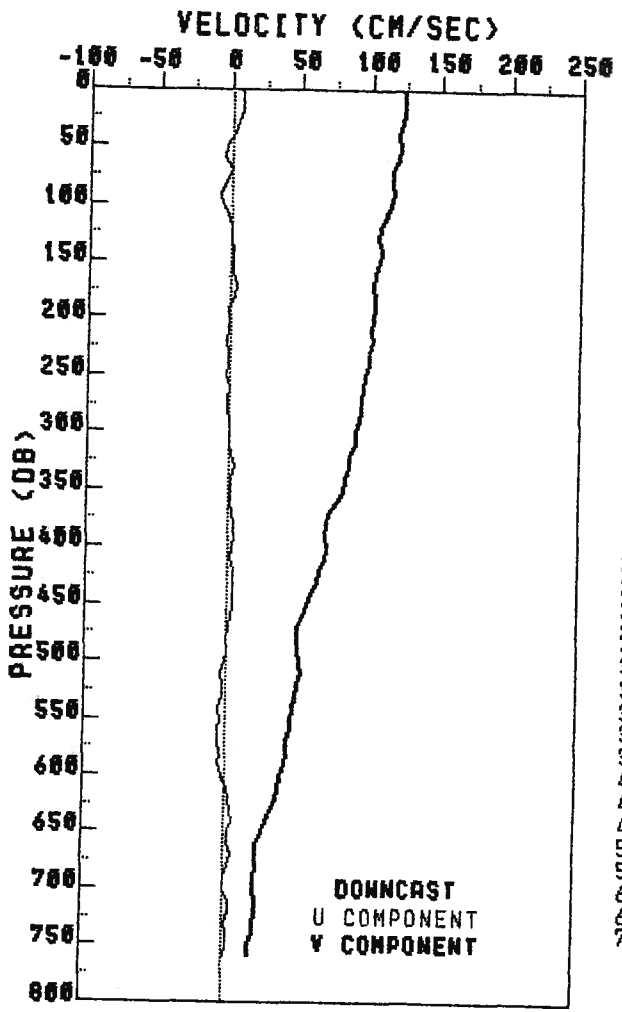


PRES	U	V
0	-18.4	154.3
10	-18.4	154.3
20	-18.4	154.3
30	-18.4	154.3
40	-18.4	154.3
50	-15.2	155.0
60	-12.1	155.4
70	-16.1	154.8
80	-11.9	154.9
90	-11.2	154.1
100	-12.7	154.7
110	-5.9	154.6
120	-15.7	147.4
130	-27.6	142.4
140	-27.4	141.6
150	-30.8	141.9
160	-33.5	139.7
170	-35.8	134.8
180	-34.8	130.6
190	-39.3	125.5
200	-42.8	118.7
220	-36.0	108.8
240	-37.0	109.1
260	-34.1	108.2
280	-35.2	97.0
300	-27.7	91.5
320	-29.3	88.5
340	-28.6	79.5
360	-27.5	71.3
380	-25.4	65.0
400	-21.5	68.8
420	-21.5	68.3
470	-17.3	68.0
520	-18.8	29.0
570	-13.8	15.3
620	0.6	17.3

RES-STACS12-83 PEGASUS 007 STN 5

R/V RESEARCHER JDAY 333 TIME 1212Z

LATITUDE 26.97 N LONGITUDE 79.49 W

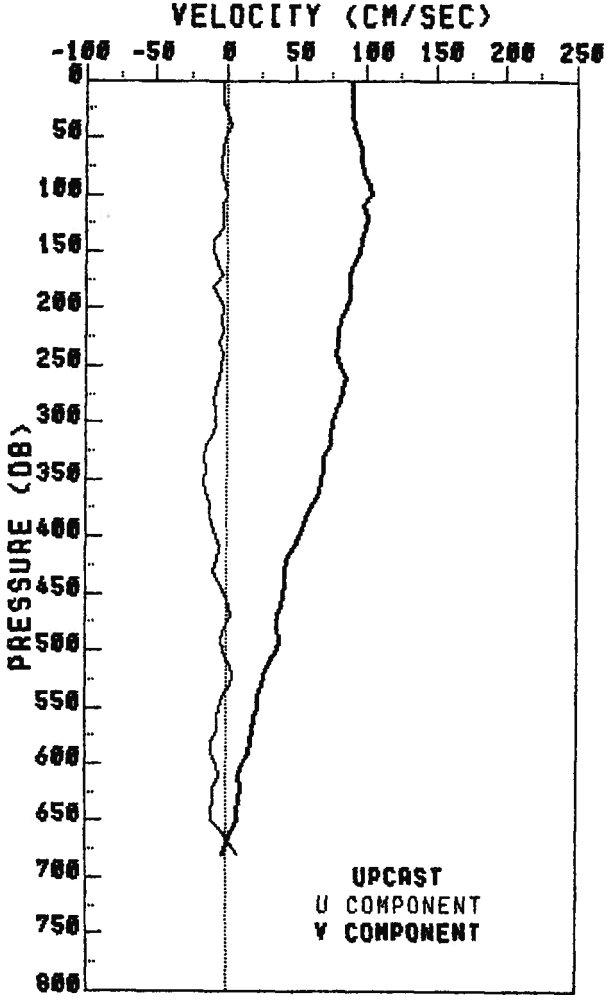


PRES	U	V
0	7.7	123.9
10	7.7	123.9
20	7.2	124.0
30	5.0	122.5
40	2.4	120.1
50	-3.6	121.5
60	-5.1	119.3
70	1.2	115.8
80	-4.1	115.0
90	-7.1	117.2
100	-5.8	114.2
110	-2.7	110.6
120	1.0	107.1
130	1.1	105.8
140	1.4	108.3
150	1.7	106.9
160	1.9	104.5
170	4.3	103.3
180	3.2	104.5
190	-1.2	104.0
200	-1.1	102.7
220	-2.5	102.5
240	-1.0	100.2
260	0.1	95.7
280	-1.0	94.7
300	1.2	90.9
320	2.4	86.8
340	2.1	84.3
360	2.6	78.6
380	5.1	71.7
400	3.3	71.1
420	4.7	66.3
470	1.7	50.9
520	-2.6	51.5
570	-5.4	43.8
620	3.7	37.5
670	5.4	29.9
720	5.1	24.1

RES-STACS12-83 PEGASUS 009 STN 6

R/V RESEARCHER JDAY 333 TIME 1613Z

LATITUDE 26.98 N LONGITUDE 79.37 W

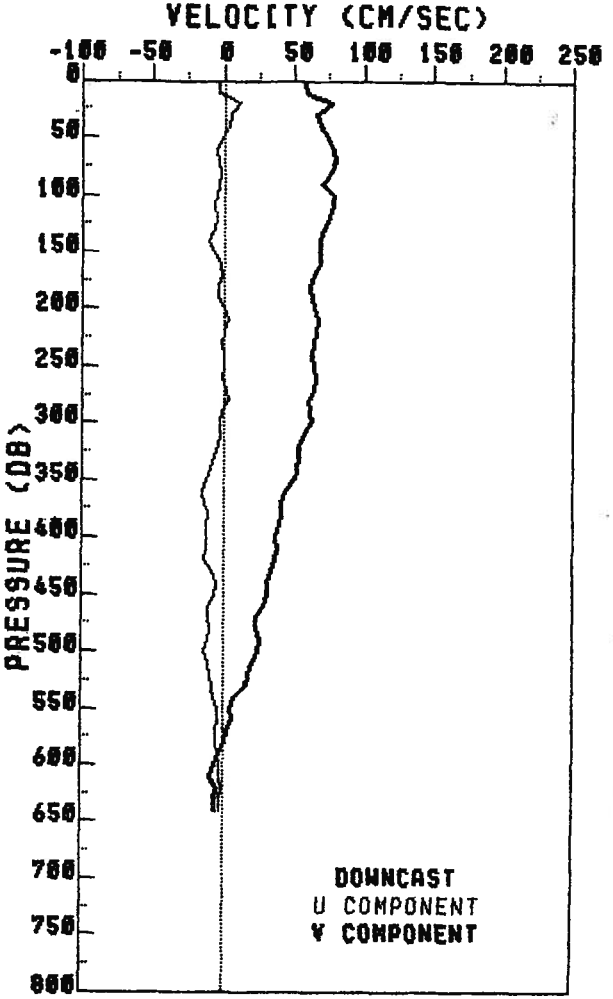


PRES	U	V
0	-3.1	90.0
10	-3.1	90.0
20	-3.1	90.0
30	0.6	90.6
40	3.2	92.5
50	-0.5	95.0
60	-1.9	97.4
70	-3.6	97.6
80	-3.3	98.3
90	-1.6	102.4
100	0.6	103.7
110	-1.8	99.0
120	-1.8	101.2
130	-2.6	99.9
140	-9.3	96.8
150	-9.8	96.5
160	-6.5	91.9
170	-2.8	88.9
180	-8.8	89.1
190	-5.2	88.7
200	-2.9	86.5
220	-2.7	80.7
240	-2.9	79.8
260	-5.8	85.9
280	-9.1	81.9
300	-8.0	76.9
320	-14.3	75.3
340	-15.1	70.0
360	-14.8	67.2
380	-12.4	59.4
400	-8.3	52.4
420	-7.1	44.5
470	2.6	37.4
520	4.7	27.5
570	-6.4	18.8
620	-9.3	10.6
670	2.5	0.9

RES-STACS12-83 PEGASUS 010 STN 7

R/V RESEARCHER JDAY 333 TIME 1832Z

LATITUDE 26.98 N LONGITUDE 79.27 W

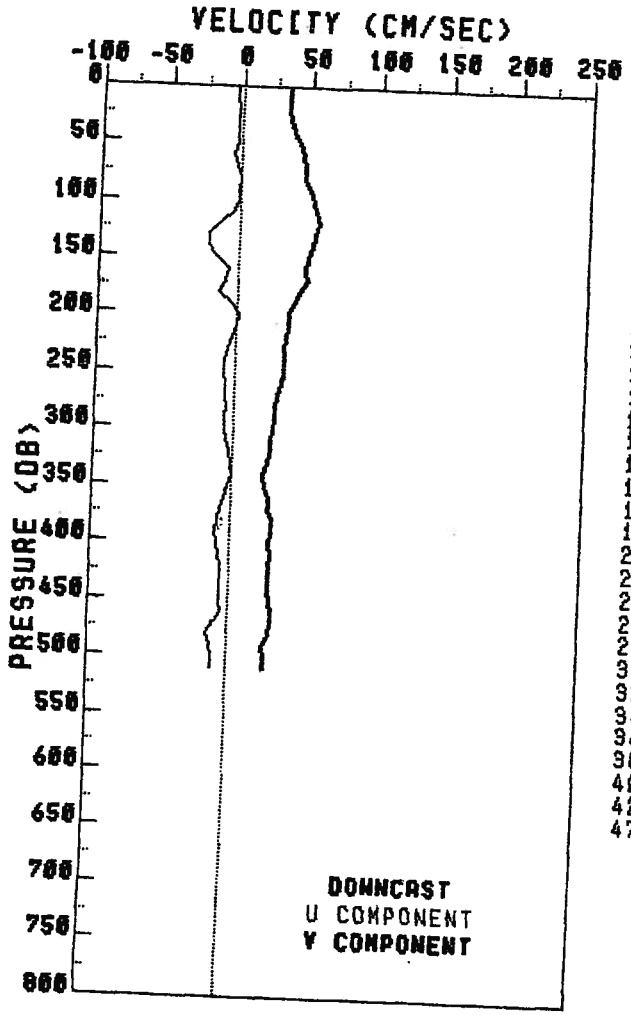


PRES	U	V
0	-9.6	58.6
10	-3.5	58.9
20	11.3	76.6
30	4.5	66.6
40	3.6	68.6
50	-0.9	74.6
60	-5.6	78.2
70	-4.1	79.7
80	-1.6	76.5
90	-3.1	70.9
100	-4.5	79.1
110	-6.9	79.0
120	-5.0	75.1
130	-6.7	72.1
140	-9.9	69.1
150	-6.4	69.1
160	-2.7	69.2
170	-0.4	65.3
180	-3.1	62.6
190	-3.7	62.8
200	0.9	65.4
220	0.9	65.6
240	0.8	64.1
260	-0.2	65.9
280	2.7	60.7
300	-1.9	63.2
320	-2.9	53.8
340	-9.4	52.3
360	-14.1	44.3
380	-10.9	42.1
400	-11.6	37.1
420	-12.6	37.9
470	-10.3	23.8
520	-8.6	18.7
570	-4.4	2.7
620	-0.5	-3.8

RES-STACS12-83 PEGASUS 011 STN 8

R/V RESEARCHER JDAY 333 TIME 0201Z

LATITUDE 26.99 N LONGITUDE 79.19 W

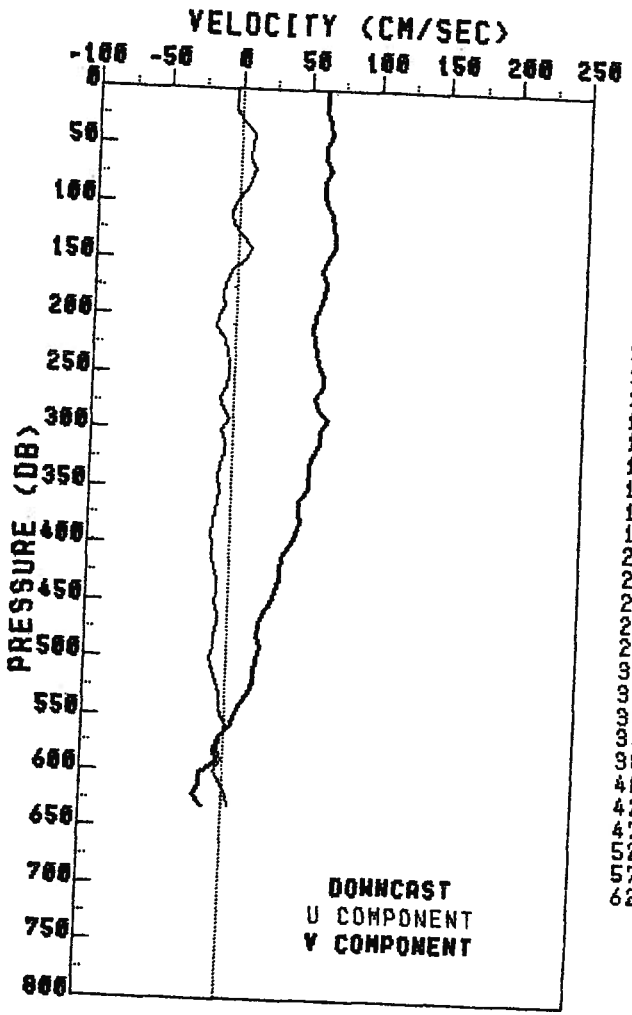


PRES	U	V
0	-4.3	33.8
10	-4.3	33.8
20	-2.9	34.9
30	-2.4	35.7
40	-1.9	38.5
50	-2.2	42.3
60	-5.1	44.8
70	-2.4	46.2
80	-0.1	46.8
90	-0.6	50.6
100	-0.7	52.9
110	-3.8	54.7
120	-13.5	57.1
130	-21.9	55.3
140	-21.4	53.5
150	-14.6	50.6
160	-5.9	49.8
170	-9.7	50.4
180	-13.1	44.7
190	-3.9	41.6
200	1.8	38.9
220	-2.9	37.6
240	-8.0	36.0
260	-7.2	34.0
280	-5.8	29.7
300	-6.0	29.3
320	-2.6	27.6
340	-0.1	24.1
360	-5.6	27.0
380	-9.1	30.2
400	-8.8	29.1
420	-6.3	29.5
470	-9.9	31.4

RES-STACS12-83 PEGASUS 012 STN 7

R/V RESEARCHER JDAY 333 TIME 2153Z

LATITUDE 26.97 N LONGITUDE 79.27 W

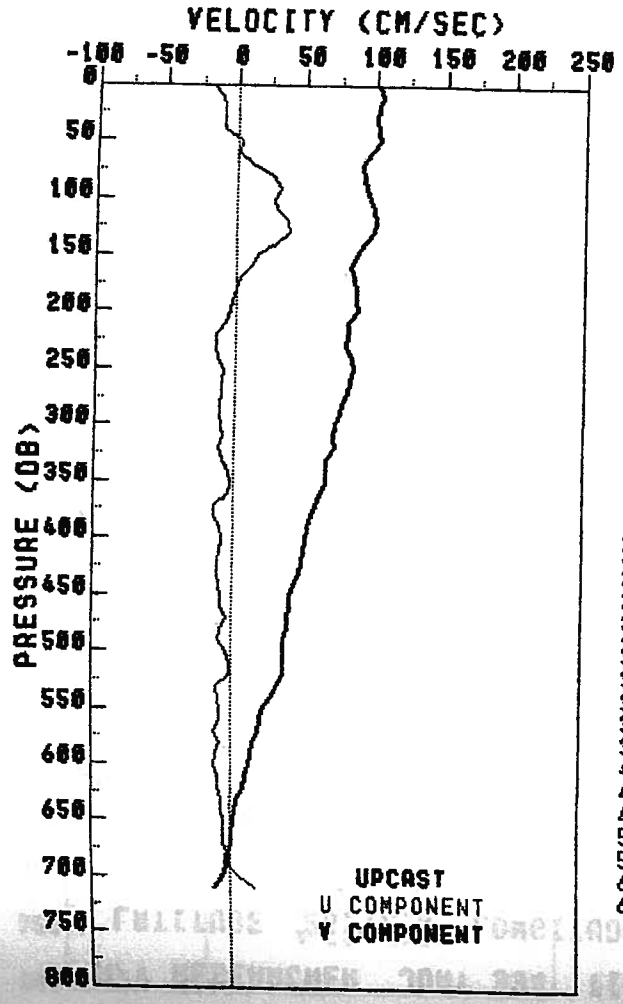


PRES	U	V
0	-3.9	62.6
10	-3.9	62.6
20	-3.9	62.6
30	1.3	64.9
40	9.9	66.6
50	9.4	62.4
60	7.6	62.6
70	11.8	65.9
80	8.9	62.0
90	5.3	62.2
100	-1.6	63.3
110	-4.6	67.4
120	-3.9	68.4
130	3.0	70.1
140	10.0	70.3
150	6.2	65.4
160	-3.3	61.7
170	-7.6	64.8
180	-8.8	63.2
190	-7.4	60.5
200	-11.3	58.3
220	-6.7	57.5
240	-3.1	60.9
260	-5.4	64.4
280	-5.8	62.4
300	-7.8	63.0
320	-4.5	59.6
340	-8.9	56.5
360	-9.6	50.3
380	-11.5	51.1
400	-12.2	43.8
420	-10.5	36.9
470	-6.7	23.5
520	-6.0	21.0
570	-2.0	-2.8
620	2.6	-20.5

RES-STACS12-83 PEGASUS 014 STN 6

R/V RESEARCHER JDAY 334 TIME 0218Z

LATITUDE 26.98 N LONGITUDE 79.37 W

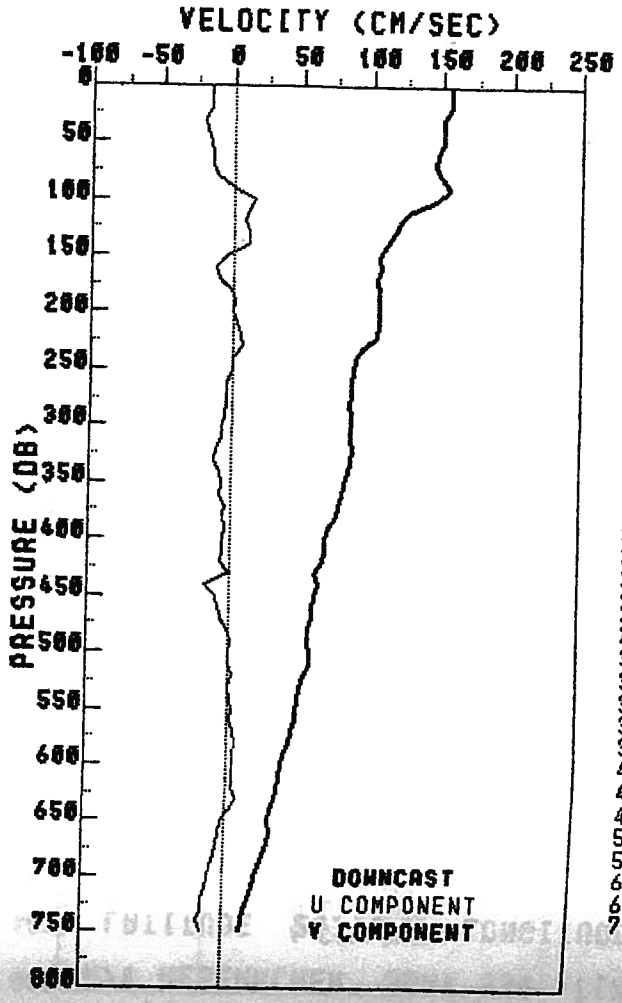


PRES	U	V
0	-17.3	102.5
10	-10.7	105.1
20	-9.8	102.2
30	-9.7	101.2
40	-9.6	102.5
50	2.5	104.3
60	1.8	96.8
70	10.6	91.9
80	25.9	92.9
90	31.9	94.4
100	27.3	96.8
110	28.3	99.5
120	37.0	101.1
130	38.7	100.2
140	29.3	93.6
150	15.3	87.6
160	10.6	84.1
170	3.0	86.0
180	0.9	88.4
190	-3.1	87.7
200	-4.5	89.3
220	-13.0	81.7
240	-12.7	84.6
260	-9.9	83.6
280	-10.2	77.8
300	-9.8	73.9
320	-11.0	73.5
340	-3.6	67.3
360	-3.6	62.8
380	-12.8	57.8
400	-7.5	53.5
420	-11.0	50.5
470	-3.8	40.8
520	-1.8	38.1
570	-11.8	20.8
620	-9.6	9.3
670	-5.5	1.1

RES-STACS12-83 PEGASUS 015 STN 5

R/V RESEARCHER JDAY 334 TIME 0423Z

LATITUDE 26.98 N LONGITUDE 79.49 W

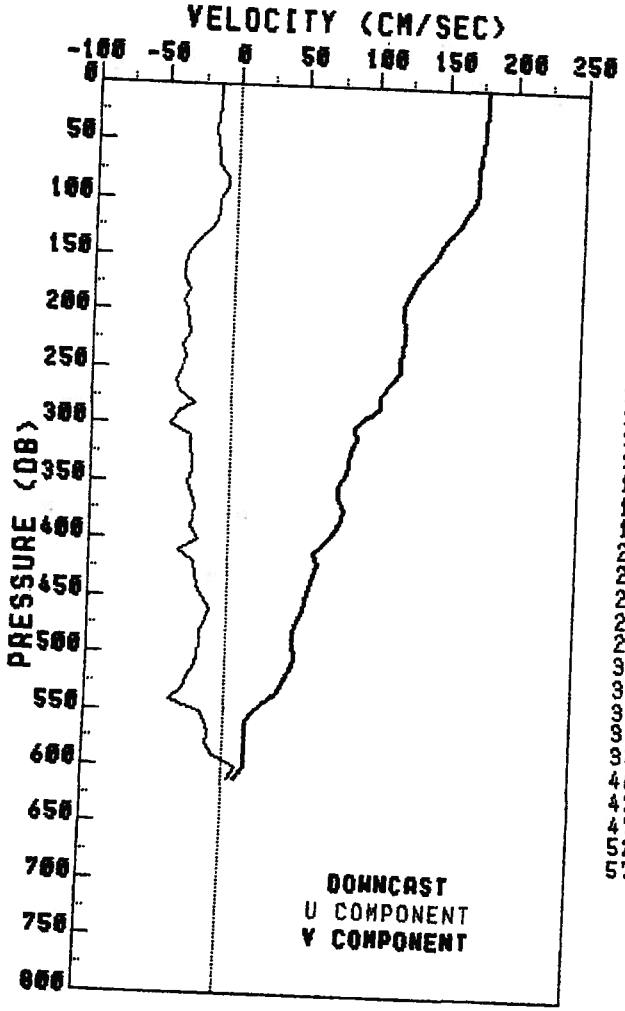


PRES	U	V
0	-16.0	155.9
10	-16.0	155.9
20	-16.0	155.9
30	-20.2	150.6
40	-19.1	150.4
50	-16.0	150.6
60	-14.1	147.1
70	-14.6	144.8
80	-10.4	149.6
90	0.9	155.4
100	14.9	144.8
110	11.6	128.4
120	8.1	121.0
130	11.6	117.4
140	11.8	111.2
150	-3.8	105.8
160	-11.7	106.6
170	-8.8	104.7
180	-0.9	106.3
190	1.5	106.1
200	0.2	105.4
220	6.4	104.1
240	1.0	89.9
260	-2.9	86.7
280	-3.8	85.4
300	-6.3	87.3
320	-10.9	87.9
340	-7.2	84.8
360	-8.0	81.2
380	-4.8	76.8
400	-5.0	69.1
420	-5.9	67.7
470	-4.3	60.3
520	2.9	55.2
570	4.2	46.5
620	4.6	38.0
670	-5.1	92.5
720	-14.9	19.8

RES-STACS12-83 PEGASUS 016 STN 4

R/V RESEARCHER JDAY 334 TIME 0635Z

LATITUDE 26.97 N LONGITUDE 79.61 W

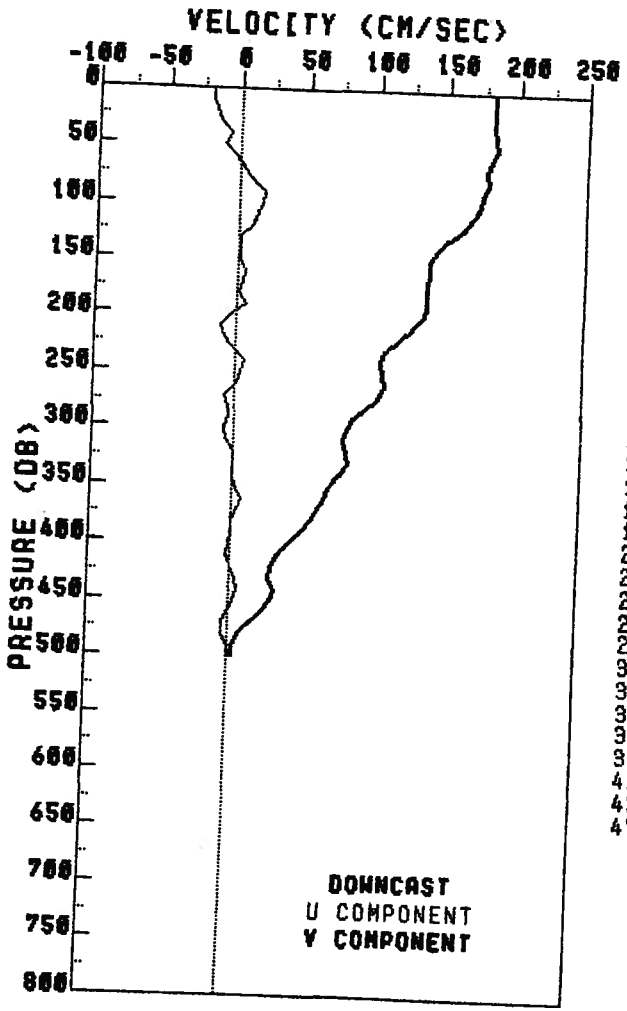


PRES	U	V
0	-13.0	179.5
10	-13.0	179.5
20	-13.8	178.9
30	-15.1	178.3
40	-16.8	177.7
50	-14.7	176.7
60	-14.1	175.1
70	-13.0	173.9
80	-6.5	174.1
90	-6.0	173.8
100	-11.7	170.5
110	-12.6	166.2
120	-13.9	160.9
130	-20.7	154.0
140	-28.1	148.0
150	-33.7	144.4
160	-35.6	137.0
170	-35.4	130.9
180	-31.4	127.6
190	-35.8	122.7
200	-33.0	122.8
220	-30.3	125.1
240	-32.1	121.3
260	-39.2	115.5
280	-26.4	107.7
300	-44.1	90.7
320	-28.1	87.4
340	-27.5	84.7
360	-27.6	79.3
380	-26.1	82.5
400	-21.3	70.8
420	-24.2	65.4
470	-14.4	51.6
520	-27.3	43.6
570	-10.5	16.6

RES-STACS12-83 PEGASUS 017 STN 3

R/V RESEARCHER JDAY 334 TIME 0837Z

LATITUDE 26.98 N LONGITUDE 79.69 W

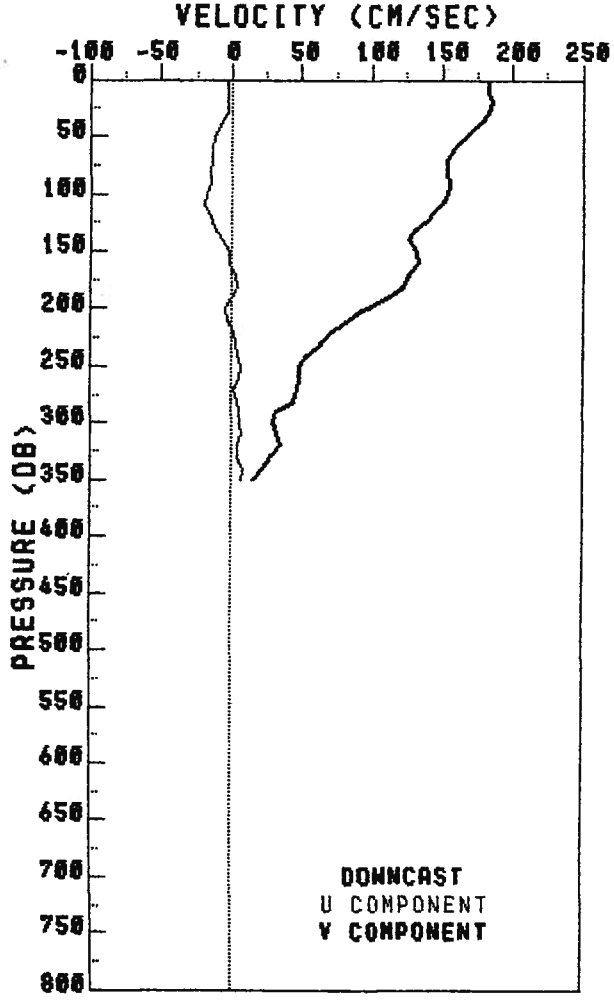


PRES	U	V
0	-19.5	182.4
10	-19.5	182.4
20	-16.9	182.1
30	-13.9	181.9
40	-6.3	184.3
50	-10.0	184.5
60	-2.0	181.0
70	3.2	178.9
80	9.7	179.0
90	18.0	175.6
100	17.1	174.6
110	13.7	170.4
120	11.3	162.9
130	2.0	152.3
140	1.9	144.1
150	2.0	139.1
160	6.3	138.9
170	4.2	137.9
180	2.4	137.5
190	7.7	137.5
200	-2.7	136.0
220	-8.2	118.1
240	7.4	106.1
260	1.6	108.3
280	-4.1	95.4
300	-6.1	82.4
320	0.4	82.0
340	0.3	77.3
360	7.1	67.1
380	1.2	57.3
400	-1.0	42.5
420	0.8	30.0
470	-3.9	16.3

RES-STACS12-83 PEGASUS 018 STN 2

R/V RESEARCHER JDAY 334 TIME 1042Z

LATITUDE 26.97 N LONGITUDE 79.79 W

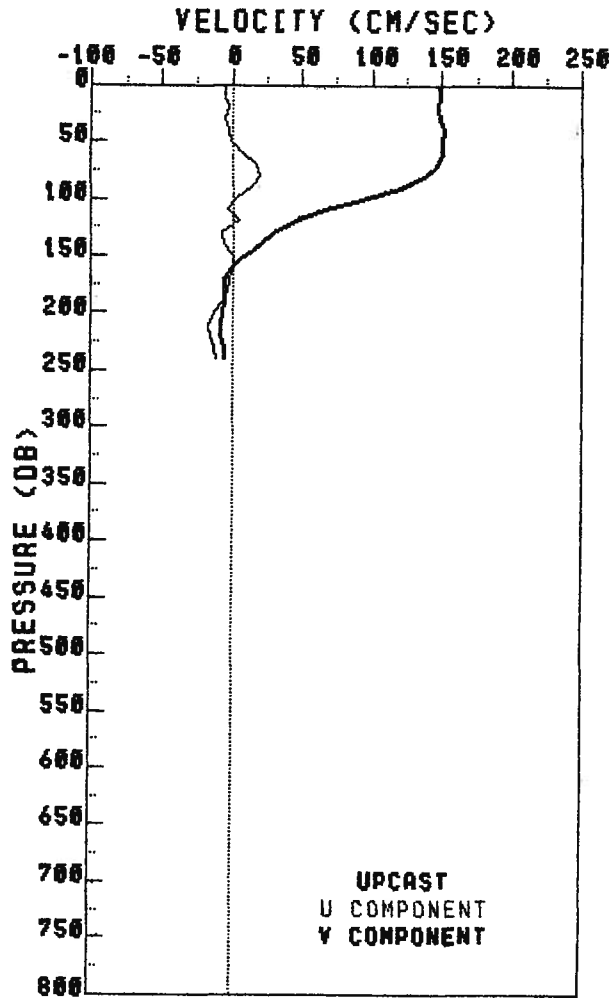


PRES	U	V
0	-2.9	184.0
10	-2.9	184.0
20	-2.3	185.6
30	-2.2	184.1
40	-7.3	176.8
50	-12.2	168.6
60	-13.8	160.7
70	-13.9	154.9
80	-14.7	154.7
90	-15.1	155.7
100	-17.1	155.3
110	-18.3	151.0
120	-15.1	142.0
130	-11.7	133.0
140	-6.2	127.6
150	-1.2	133.4
160	-0.6	134.9
170	2.5	127.5
180	3.8	122.7
190	0.0	111.3
200	-4.4	95.9
220	1.9	73.2
240	4.1	55.3
260	5.8	49.3
280	3.7	45.4
300	5.7	30.8
320	4.3	35.7
340	8.4	23.0

RES-STACS12-83 PEGASUS 019 STN 1

R/V RESEARCHER JDAY 334 TIME 1338Z

LATITUDE 27.00 N LONGITUDE 79.88 W

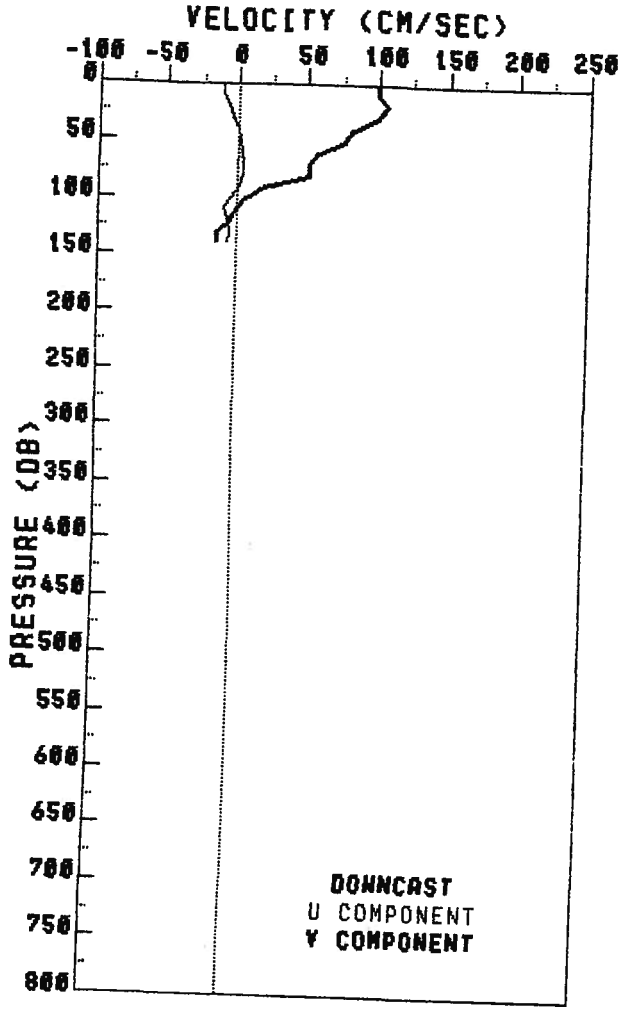


PRES	U	V
0	-5.0	150.0
10	-5.0	150.0
20	-2.8	148.3
30	-5.3	149.7
40	-2.3	151.7
50	-0.3	151.5
60	6.7	150.2
70	16.7	146.3
80	19.3	137.1
90	12.4	119.1
100	1.4	92.6
110	-3.0	66.8
120	5.1	44.2
130	-7.7	29.8
140	-6.1	19.1
150	0.3	8.6
160	0.6	1.1
170	-2.2	-5.4
180	-4.2	-5.3
190	-8.2	-4.3
200	-13.3	-6.1
220	-16.3	-7.1
240	-12.3	-5.4

RES-STACS12-83 PEGASUS 020 STN 0

R/V RESEARCHER JDAY 334 TIME 1430Z

LATITUDE 26.99 N LONGITUDE 79.91 W

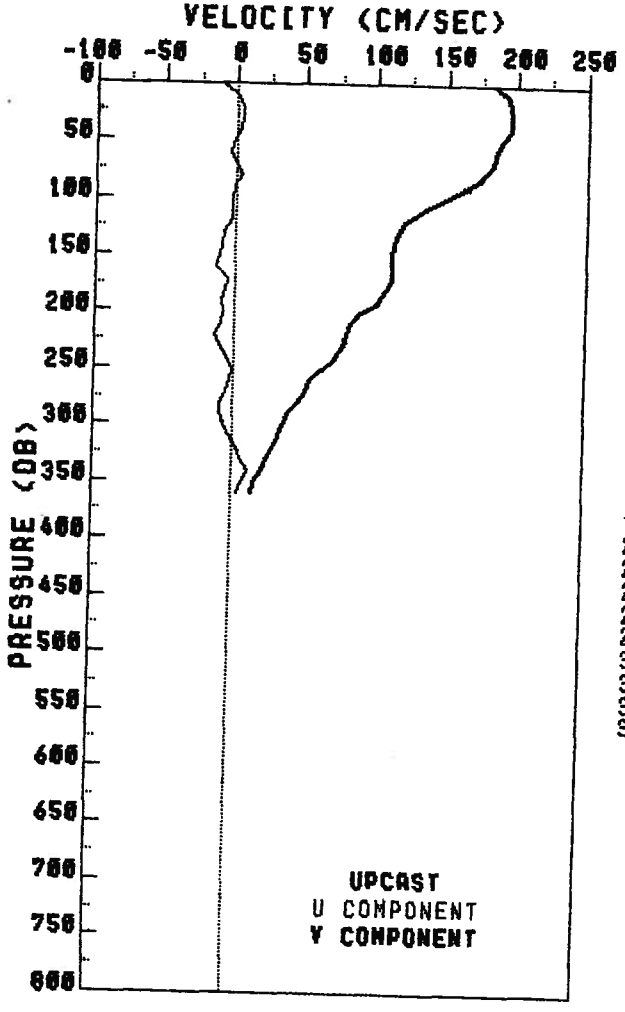


PRES	U	V
0	-10.9	99.9
10	-10.9	99.9
20	-7.2	106.2
30	-3.6	99.8
40	-0.3	82.6
50	2.3	76.3
60	2.4	57.1
70	4.7	52.3
80	3.8	52.8
90	2.1	19.4
100	-3.2	7.6
110	-9.3	1.1
120	-6.1	-4.5
130	-4.6	-13.9
140	-7.2	-13.9

RES-STACS12-83 PEGASUS 022 STN 2

R/V RESEARCHER JDAY 334 TIME 1942Z

LATITUDE 26.96 N LONGITUDE 79.78 W

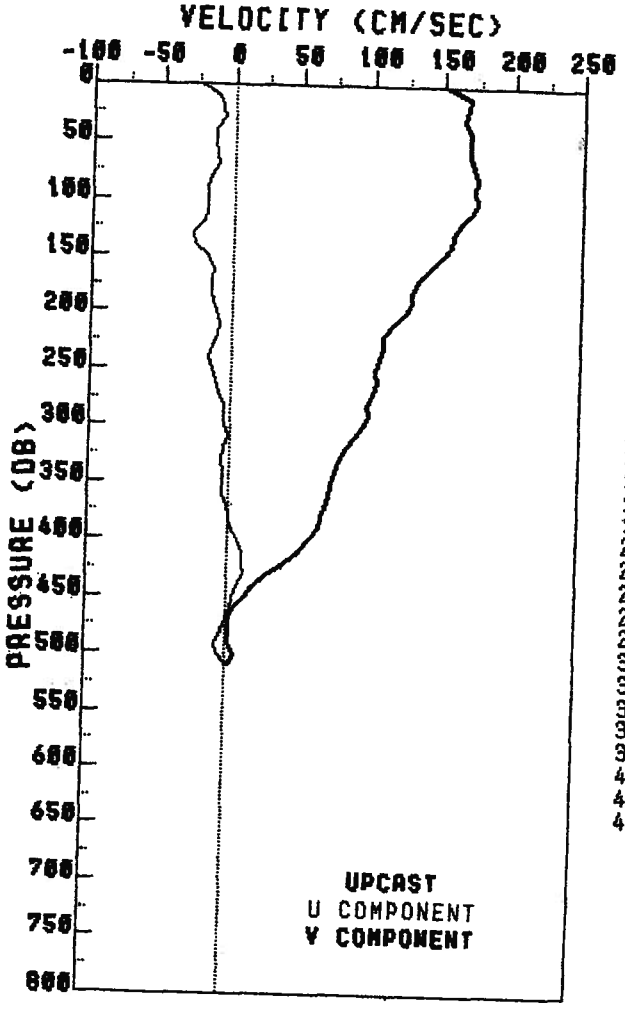


PRES	U	V
0	-11.0	185.4
10	0.8	194.0
20	4.3	195.6
30	3.8	195.5
40	2.4	195.9
50	-1.2	189.5
60	-3.3	184.9
70	-0.3	182.9
80	4.1	175.4
90	-1.4	162.3
100	-3.1	146.7
110	-2.1	133.3
120	-2.7	121.2
130	-7.5	116.4
140	-9.2	114.1
150	-10.7	112.7
160	-12.9	112.0
170	-4.9	112.7
180	-6.2	108.7
190	-9.9	102.7
200	-7.6	90.1
220	-13.6	81.1
240	-5.9	72.6
260	-2.6	55.1
280	-9.7	46.7
300	-7.2	36.4
320	2.3	29.2
340	11.7	21.8
360	4.8	15.4

RES-STACS12-83 PEGASUS 023 STN 3

R/V RESEARCHER JDAY 334 TIME 2145Z

LATITUDE 26.97 N LONGITUDE 79.67 W

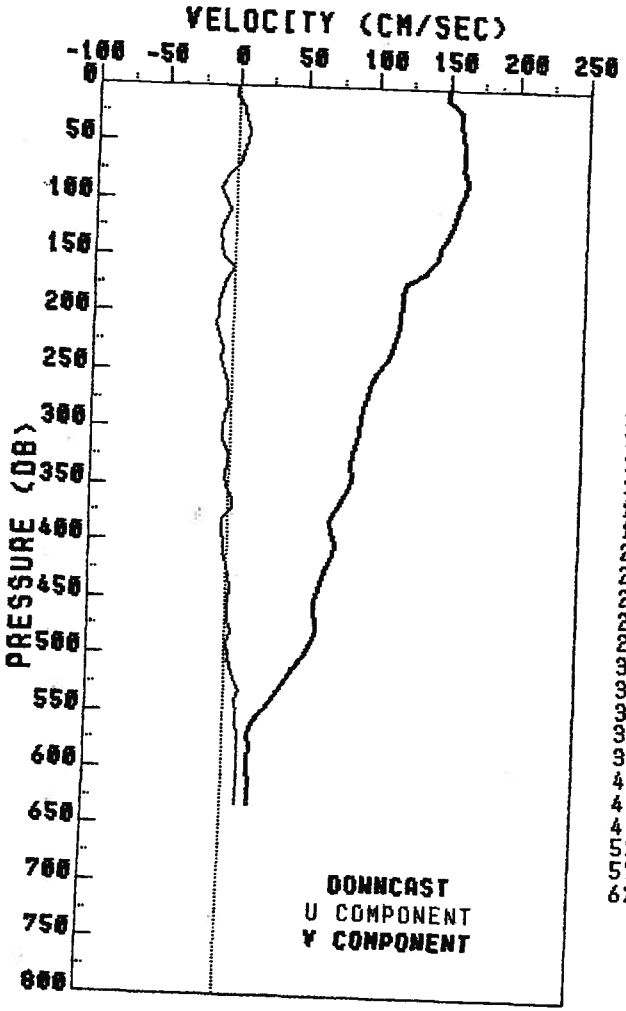


PRES	U	V
0	-23.9	152.7
10	-11.1	169.1
20	-8.1	167.1
30	-7.0	164.6
40	-13.3	169.0
50	-12.9	169.1
60	-11.9	168.8
70	-10.9	170.8
80	-16.2	173.9
90	-19.0	173.4
100	-18.9	173.7
110	-18.2	171.5
120	-19.7	162.9
130	-28.1	158.4
140	-26.8	156.2
150	-16.8	149.1
160	-12.6	141.1
170	-14.3	132.9
180	-14.9	129.5
190	-12.7	128.5
200	-9.8	124.7
220	-8.4	110.5
240	-15.7	107.0
260	-10.8	105.3
280	-3.5	99.6
300	-2.9	96.3
320	-4.2	84.1
340	-3.8	76.5
360	-3.6	72.4
380	0.1	67.3
400	7.2	59.6
420	11.3	42.1
470	0.0	3.5

RES-STACS12-83 PEGASUS 024 STN 4

R/V RESEARCHER JDAY 335 TIME 0021Z

LATITUDE 26.97 N LONGITUDE 79.61 W

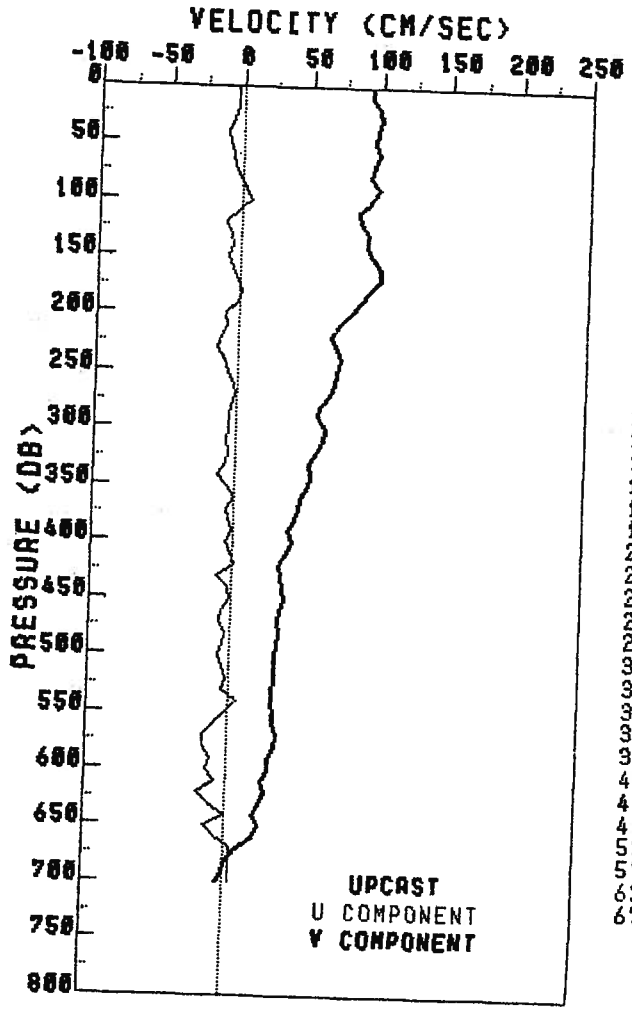


PRES	U	V
0	-0.7	150.0
10	-0.7	150.1
20	4.1	159.8
30	5.1	160.8
40	9.0	162.1
50	7.0	163.3
60	3.8	162.3
70	1.1	162.8
80	-6.8	165.8
90	-10.8	164.2
100	-6.9	160.8
110	-4.4	159.5
120	-8.4	155.5
130	-10.9	152.2
140	-9.8	148.0
150	-7.5	146.7
160	0.9	137.9
170	-5.1	124.0
180	-8.4	121.9
190	-10.3	121.6
200	-11.2	121.1
220	-9.8	117.8
240	-8.0	111.3
260	-2.8	100.6
280	-1.1	96.2
300	-4.7	93.6
320	-0.6	89.5
340	-2.6	88.5
360	2.3	82.5
380	-4.2	73.7
400	-2.5	77.9
420	0.7	72.4
470	1.4	65.2
520	7.6	46.0
570	10.8	19.8
620	10.8	20.1

RES-STACS12-83 PEGASUS 026 STN 6

R/V RESEARCHER JDAY 335 TIME 0932Z

LATITUDE 26.98 N LONGITUDE 79.37 W

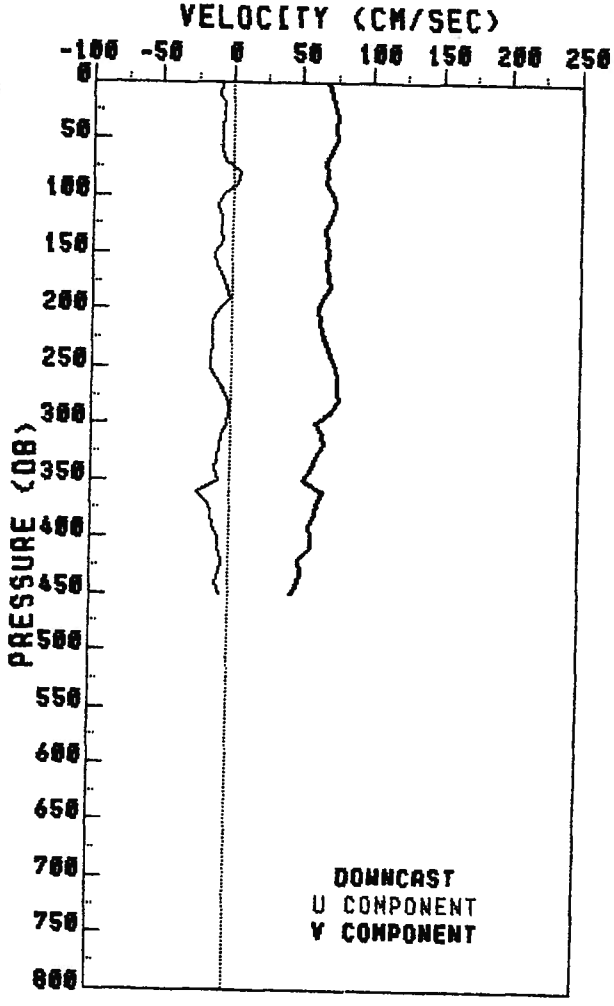


PRES	U	V
0	-4.2	93.9
10	-4.1	94.0
20	-4.2	98.5
30	-6.3	99.8
40	-10.4	98.3
50	-9.1	96.9
60	-6.8	98.7
70	-5.5	96.3
80	-0.4	93.5
90	3.2	99.9
100	7.2	93.7
110	-0.6	85.8
120	-10.4	87.0
130	-6.1	92.2
140	-4.4	91.8
150	-8.2	96.1
160	-5.5	102.1
170	-1.4	102.1
180	2.3	94.0
190	-0.7	86.7
200	-8.8	81.8
220	-11.8	67.3
240	-9.2	73.7
260	-2.6	69.9
280	-3.8	60.9
300	-5.1	64.3
320	-4.3	58.9
340	-11.2	55.3
360	-0.1	47.8
380	-4.1	44.2
400	-4.8	43.1
420	2.1	35.3
470	-7.1	34.8
520	-2.4	33.2
570	-17.8	35.6
620	-20.0	29.8
670	4.5	10.3

RES-STACS12-83 PEGASUS 027 STN 7

R/V RESEARCHER JDAY 335 TIME 1245Z

LATITUDE 26.99 N LONGITUDE 79.27 W

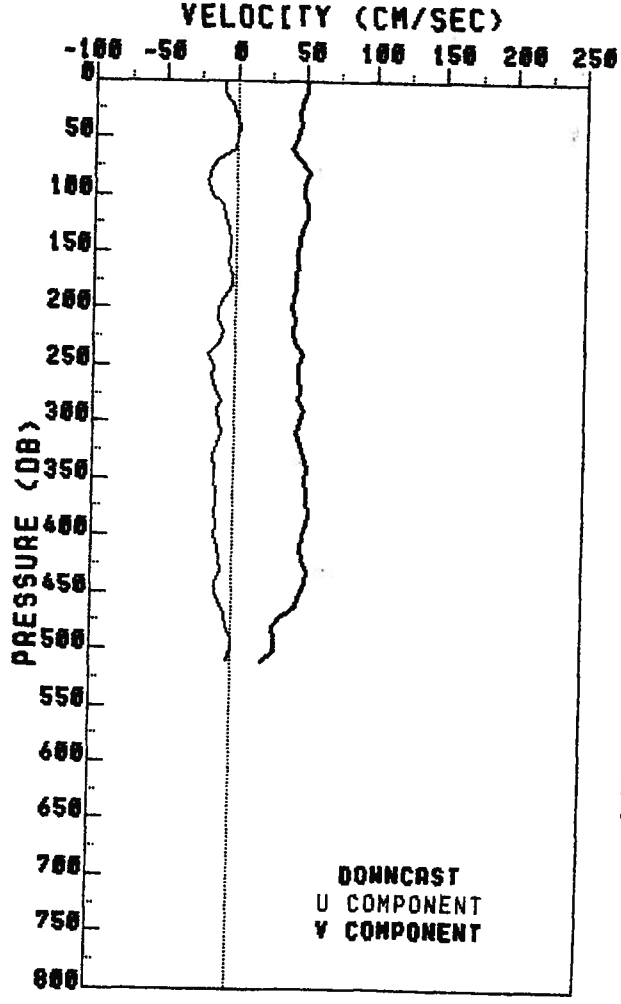


PRES	U	V
0	-7.9	69.2
10	-9.7	70.7
20	-6.8	72.0
30	-6.5	74.9
40	-7.8	73.5
50	-8.1	75.5
60	-7.8	71.4
70	-4.8	67.8
80	5.2	69.2
90	2.9	67.1
100	-7.4	72.5
110	-10.2	73.9
120	-7.4	70.9
130	-7.3	67.3
140	-6.9	69.1
150	-11.6	69.5
160	-10.8	69.0
170	-6.6	70.6
180	-3.8	71.8
190	-0.6	66.5
200	-8.6	63.8
220	-13.5	65.5
240	-14.2	71.9
260	-11.1	77.1
280	-1.2	78.3
300	-1.8	62.4
320	-7.6	66.6
340	-11.4	59.3
360	-22.5	67.8
380	-13.1	61.3
400	-8.3	58.9
420	-4.9	51.4

RES-STACS12-83 PEGASUS 028 STN 8

R/V RESEARCHER JDAY 335 TIME 1521Z

LATITUDE 26.99 N LONGITUDE 79.19 W

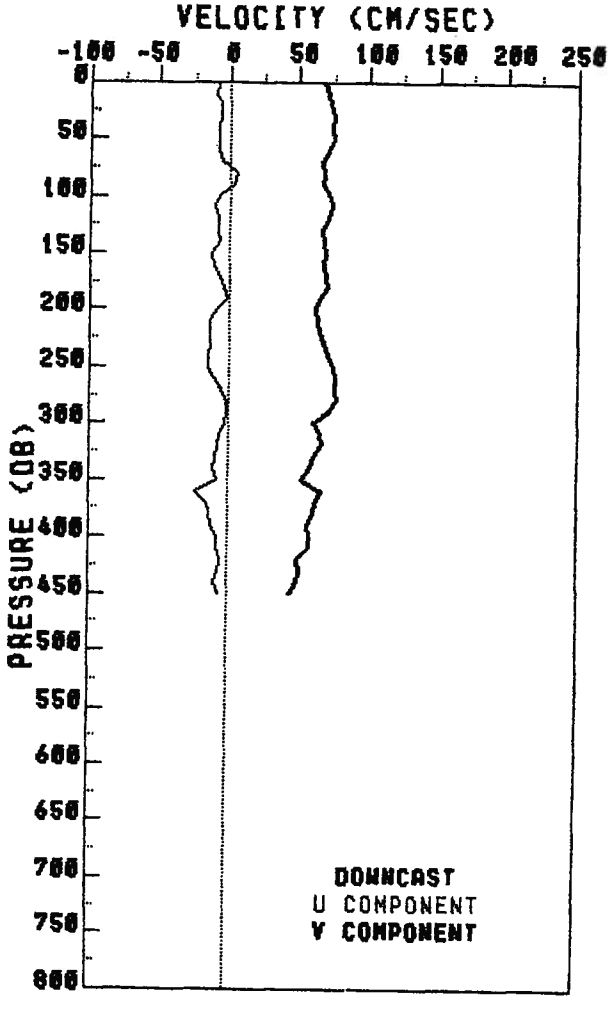


PRES	U	V
0	-8.4	51.6
10	-8.4	51.6
20	-3.1	46.7
30	-0.4	45.7
40	1.9	46.8
50	0.1	45.0
60	-1.2	39.5
70	-12.6	46.8
80	-18.1	54.2
90	-20.3	49.9
100	-17.8	49.9
110	-8.7	52.1
120	-7.7	52.8
130	-4.3	49.0
140	-4.0	46.4
150	-3.8	45.8
160	-5.5	45.2
170	-2.6	44.2
180	-2.1	44.6
190	-7.3	43.1
200	-11.3	41.4
220	-7.9	42.4
240	-18.9	49.1
260	-15.6	47.2
280	-8.5	47.0
300	-10.7	48.9
320	-12.2	48.6
340	-13.5	53.2
360	-11.6	53.9
380	-13.0	55.7
400	-12.6	50.5
420	-6.9	50.8
470	-5.5	37.7

RES-STACS12-83 PEGASUS 027 STN 7

R/V RESEARCHER JDAY 335 TIME 1245Z

LATITUDE 26.99 N LONGITUDE 79.27 W

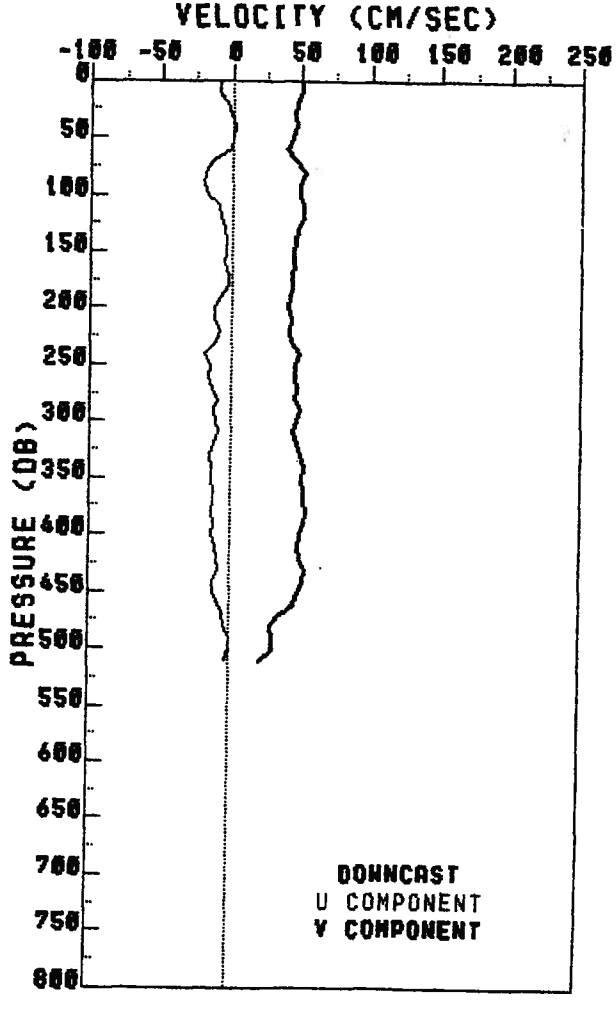


PRES	U	V
0	-7.9	69.2
10	-9.7	70.7
20	-6.8	72.0
30	-6.5	74.9
40	-7.8	73.5
50	-8.1	75.5
60	-7.8	71.4
70	-4.8	67.8
80	5.2	69.2
90	2.9	67.1
100	-7.4	72.5
110	-10.2	73.9
120	-7.4	70.9
130	-7.3	67.3
140	-6.9	69.1
150	-11.6	69.5
160	-10.8	69.0
170	-6.6	70.6
180	-3.8	71.8
190	-0.6	66.5
200	-8.6	63.8
220	-13.5	65.5
240	-14.2	71.9
260	-11.1	77.1
280	-1.2	78.3
300	-1.8	62.4
320	-7.6	66.6
340	-11.4	59.3
360	-22.5	67.8
380	-13.1	61.3
400	-8.3	58.9
420	-4.9	51.4

RES-STACS12-83 PEGASUS 028 STN 8

R/V RESEARCHER JDAY 335 TIME 1521Z

LATITUDE 26.99 N LONGITUDE 79.19 W

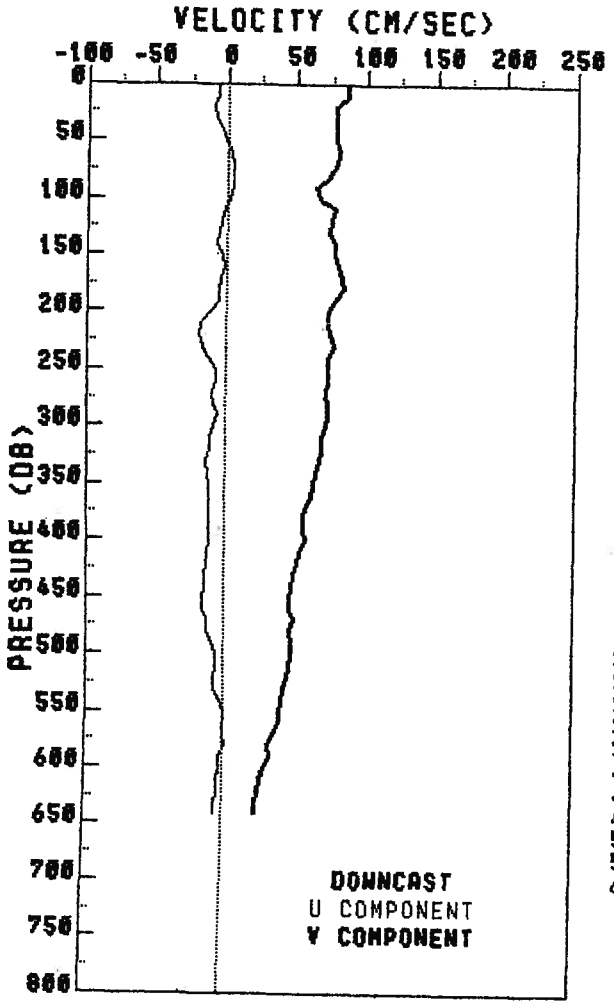


PRES	U	V
0	-8.4	51.6
10	-8.4	51.6
20	-3.1	46.7
30	-0.4	45.7
40	1.9	46.8
50	0.1	45.0
60	-1.2	39.5
70	-12.6	46.8
80	-18.1	54.2
90	-20.3	49.9
100	-17.8	49.9
110	-8.7	52.1
120	-7.7	52.8
130	-4.3	49.0
140	-4.0	46.4
150	-3.8	45.8
160	-5.5	45.2
170	-2.6	44.2
180	-2.1	44.6
190	-7.3	43.1
200	-11.3	41.4
220	-7.9	42.4
240	-18.9	49.1
260	-15.6	47.2
280	-8.5	47.0
300	-10.7	48.9
320	-12.2	48.6
340	-13.5	53.2
360	-11.6	53.9
380	-13.0	55.7
400	-12.6	50.5
420	-6.9	50.8
470	-5.5	37.7

RES-STACS12-83 PEGASUS 029 STN 7

R/V RESEARCHER JDAY 335 TIME 1653Z

LATITUDE 26.98 N LONGITUDE 79.28 W

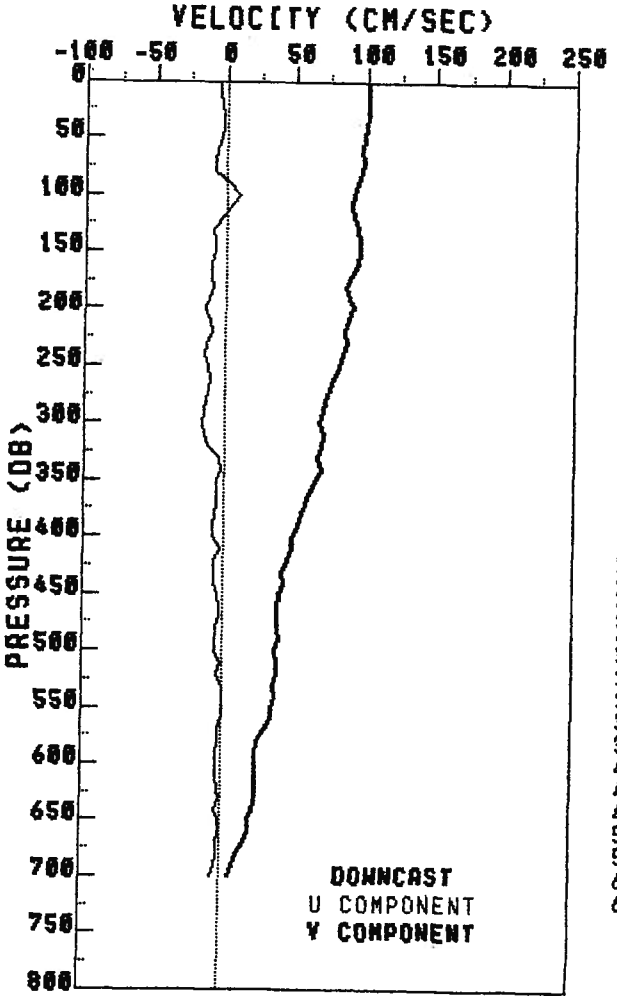


PRES	U	V
0	-6.2	86.1
10	-6.2	86.1
20	-8.8	78.3
30	-8.0	78.3
40	-4.5	78.8
50	-0.6	78.2
60	3.6	80.5
70	5.0	79.0
80	4.7	74.3
90	4.3	65.1
100	1.8	66.6
110	-1.7	77.9
120	-4.2	75.4
130	-5.0	74.1
140	-6.4	78.1
150	-2.9	77.6
160	-0.8	80.8
170	-3.5	83.9
180	-5.7	84.6
190	-5.7	77.8
200	-10.3	74.7
220	-19.4	75.5
240	-11.4	74.3
260	-6.6	74.6
280	-7.7	74.3
300	-7.5	72.3
320	-11.4	69.5
340	-11.5	66.3
360	-11.3	63.5
380	-10.1	57.3
400	-10.8	58.7
420	-11.4	54.0
470	-11.9	50.4
520	-6.1	46.2
570	0.3	37.1
620	-4.2	26.0

RES-STACS12-83 PEGASUS 030 STN 6

R/V RESEARCHER JDAY 335 TIME 1847Z

LATITUDE 26.98 N LONGITUDE 79.36 W

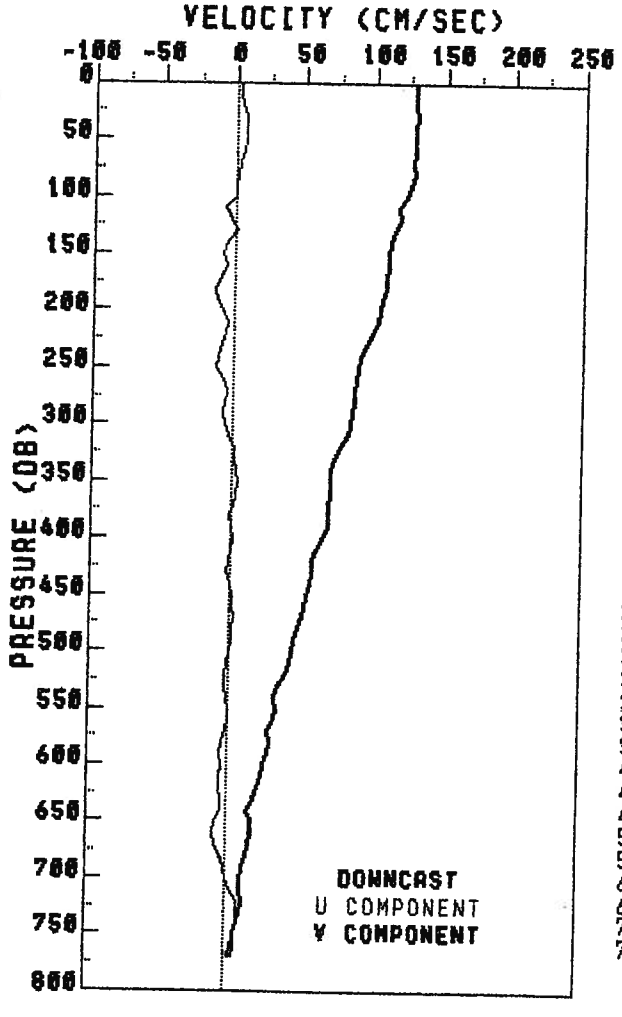


PRES	U	V
0	-5.1	102.1
10	-5.1	102.1
20	-3.9	102.3
30	-2.1	102.0
40	-2.7	100.8
50	-4.1	98.4
60	-6.1	97.6
70	-7.6	99.4
80	-7.4	97.9
90	3.1	94.9
100	9.8	92.2
110	4.4	91.0
120	-2.7	91.5
130	-8.5	94.8
140	-8.2	96.1
150	-7.2	96.5
160	-10.9	94.5
170	-10.2	90.3
180	-8.6	87.3
190	-11.6	89.2
200	-14.4	91.7
220	-9.6	87.0
240	-14.2	85.2
260	-10.8	79.1
280	-13.1	72.9
300	-15.2	68.9
320	-11.7	70.0
340	-2.5	69.7
360	-4.7	62.6
380	-6.0	56.3
400	-7.2	49.8
420	-6.8	46.6
470	-2.8	40.5
520	-4.2	39.6
570	-2.0	31.4
620	-2.3	25.7
670	-2.4	18.9

RES-STACS12-83 PEGASUS 031 STN 5

R/V RESEARCHER JDAY 335 TIME 2045Z

LATITUDE 26.97 N LONGITUDE 79.49 W

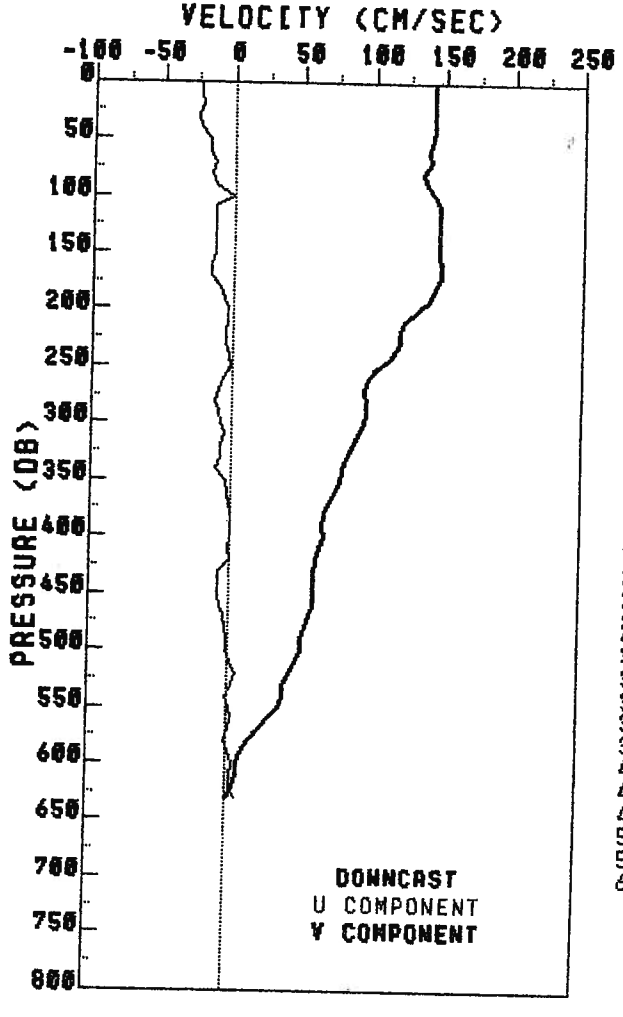


PRES	U	V
0	3.6	128.9
10	3.6	128.9
20	4.0	128.7
30	7.4	129.7
40	6.6	128.8
50	7.5	129.1
60	5.8	128.2
70	3.6	127.9
80	1.3	128.5
90	0.7	126.2
100	0.3	122.9
110	-6.4	118.0
120	-3.1	119.1
130	1.7	115.7
140	-4.9	113.0
150	-7.7	111.3
160	-5.6	110.8
170	-8.9	109.7
180	-12.9	109.0
190	-12.3	106.3
200	-8.2	105.8
220	-4.6	99.7
240	-11.0	91.5
260	-6.8	89.5
280	-5.8	87.4
300	-5.1	84.9
320	1.6	78.7
340	3.2	71.4
360	2.5	71.7
380	-1.4	69.8
400	1.8	66.3
420	-1.4	59.3
470	3.0	51.9
520	-2.8	40.8
570	-0.9	29.5
620	-5.1	22.5
670	-7.8	16.1
720	7.8	12.3
770	3.3	6.1

RES-STACS12-83 PEGASUS 032 STN 4

R/V RESEARCHER JDAY 335 TIME 0234Z

LATITUDE 26.97 N LONGITUDE 79.61 W

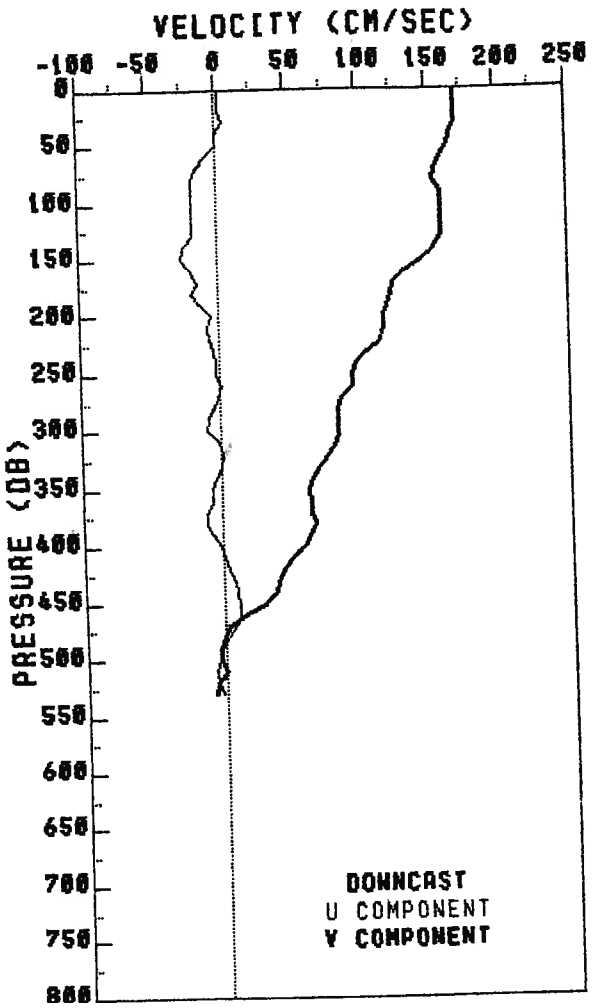


PRES	U	V
0	-24.6	142.8
10	-24.6	142.8
20	-23.2	142.2
30	-25.7	143.2
40	-24.1	142.6
50	-17.8	141.0
60	-16.8	139.2
70	-13.4	139.3
80	-15.2	135.1
90	-12.5	137.1
100	-1.1	144.7
110	-12.8	146.5
120	-12.8	146.5
130	-12.8	146.5
140	-12.8	146.5
150	-12.8	146.4
160	-15.9	148.2
170	-15.2	148.1
180	-9.7	144.1
190	-6.6	139.6
200	-4.0	131.5
220	-5.1	118.8
240	-2.0	113.4
260	-5.9	98.2
280	-11.5	96.1
300	-7.6	94.6
320	-7.4	86.6
340	-10.5	79.3
360	-1.9	74.5
380	0.2	67.5
400	0.9	66.9
420	1.0	61.8
470	-4.1	58.2
520	5.6	44.2
570	2.0	23.5
620	3.8	6.0

RES-STACS12-83 PEGASUS 033 STN 3

R/V RESEARCHER JDAY 336 TIME 0056Z

LATITUDE 26.97 N LONGITUDE 79.68 W

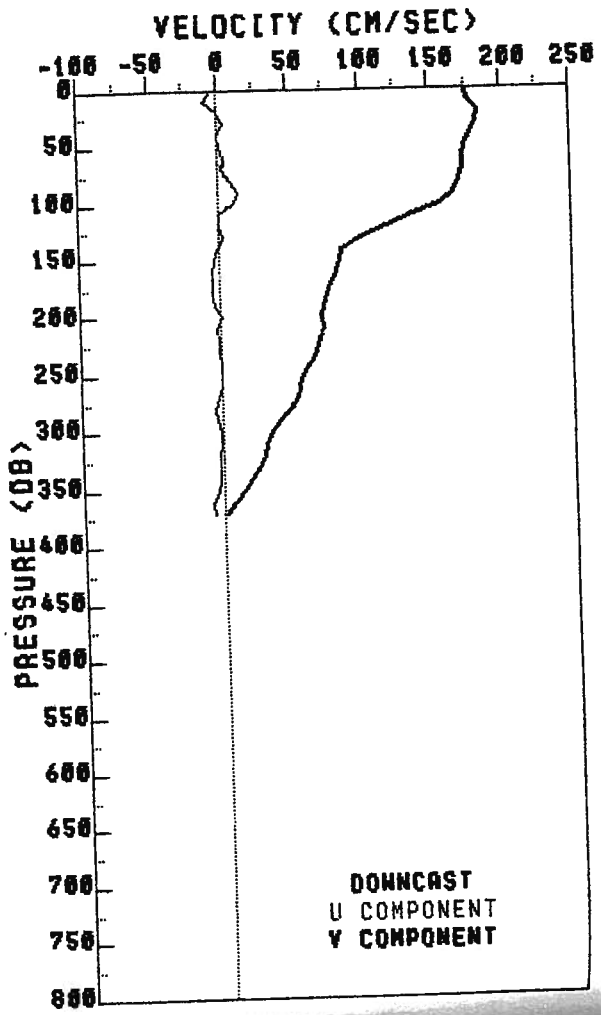


PRES	U	V
0	3.1	172.0
10	3.1	172.0
20	3.1	172.0
30	5.3	172.6
40	0.6	168.1
50	0.2	167.6
60	-8.4	161.2
70	-14.8	157.4
80	-17.0	156.7
90	-17.3	161.7
100	-17.3	161.7
110	-17.3	161.7
120	-17.3	161.7
130	-17.3	161.7
140	-24.0	155.8
150	-26.4	147.0
160	-18.7	134.6
170	-14.4	126.3
180	-18.7	124.9
190	-11.8	121.4
200	-5.3	119.7
220	-7.0	116.9
240	-2.2	98.5
260	1.1	95.9
280	-5.4	84.8
300	-9.0	84.8
320	1.3	78.4
340	-4.3	66.2
360	-7.1	64.1
380	-11.0	66.8
400	-1.2	58.5
420	4.2	43.7
470	8.2	3.9
520	-5.4	-5.6

RES-STACS12-83 PEGASUS 034 STN 2

R/V RESEARCHER JDAY 336 TIME 0247Z

LATITUDE 26.97 N LONGITUDE 79.78 W

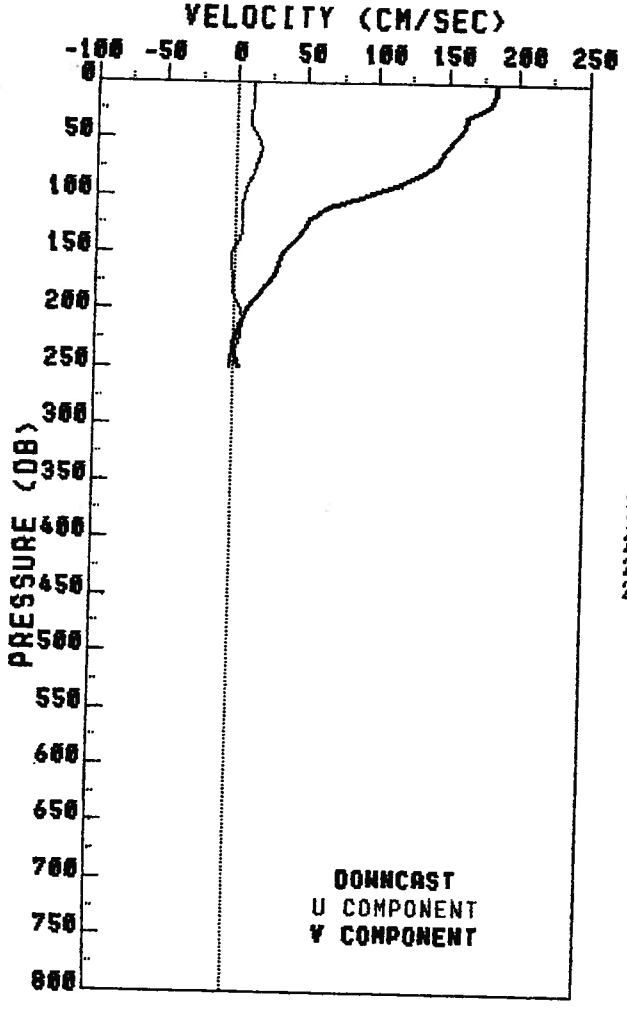


PRES	U	V
0	-4.0	176.5
10	-8.7	178.5
20	0.0	184.8
30	4.2	183.5
40	0.6	179.5
50	2.5	175.3
60	4.2	174.5
70	3.0	174.1
80	9.1	170.9
90	14.4	167.7
100	9.5	157.2
110	0.7	138.6
120	0.2	119.6
130	2.7	99.9
140	-1.0	88.3
150	-3.4	86.6
160	-5.3	84.4
170	-5.6	79.9
180	-4.5	76.9
190	-3.0	73.7
200	1.5	73.4
220	-0.6	71.6
240	0.2	65.2
260	1.1	56.3
280	-4.4	49.6
300	-1.2	35.7
320	-1.7	30.6
340	-2.8	21.5
360	-7.7	8.6

RES-STACS12-83 PEGASUS 035 STN 1

R/V RESEARCHER JDAY 336 TIME 0411Z

LATITUDE 26.98 N LONGITUDE 79.86 W

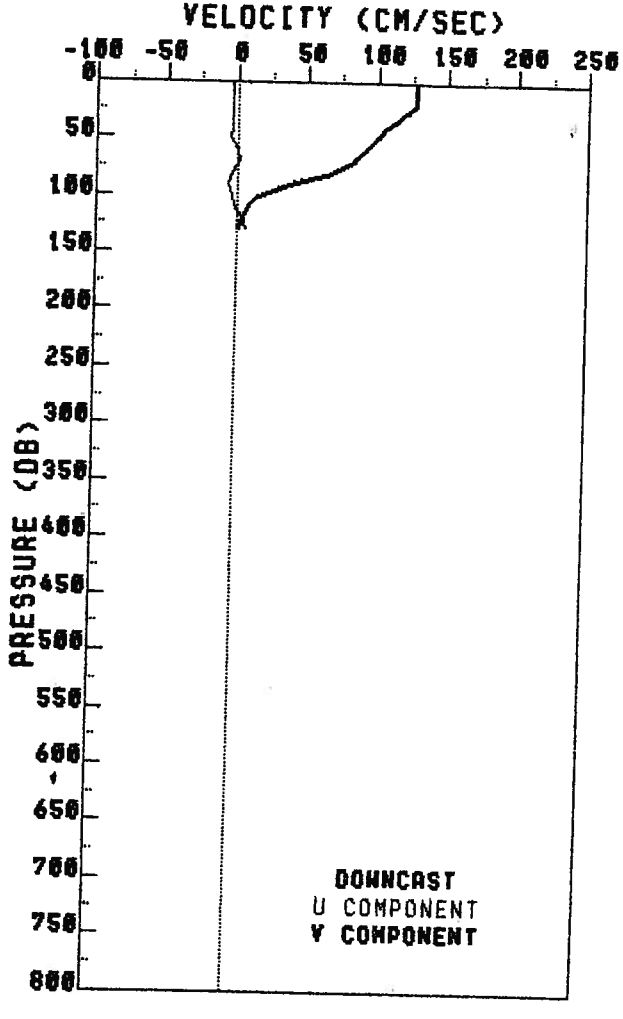


PRES	U	V
0	10.6	185.0
10	10.6	185.0
20	11.1	180.3
30	9.9	164.9
40	9.8	162.7
50	14.8	156.2
60	17.5	148.7
70	15.2	144.2
80	12.7	131.2
90	8.3	113.0
100	5.2	88.6
110	4.2	66.1
120	3.7	53.0
130	4.1	49.2
140	3.2	42.3
150	-2.0	34.9
160	-2.8	32.3
170	-1.2	29.3
180	-1.3	21.8
190	0.8	15.4
200	3.7	10.0
220	4.9	3.1
240	-2.0	2.3

RES-STACS12-83 PEGASUS 036 STN 0

R/V RESEARCHER JDAY 336 TIME 0527Z

LATITUDE 26.98 N LONGITUDE 79.95 W

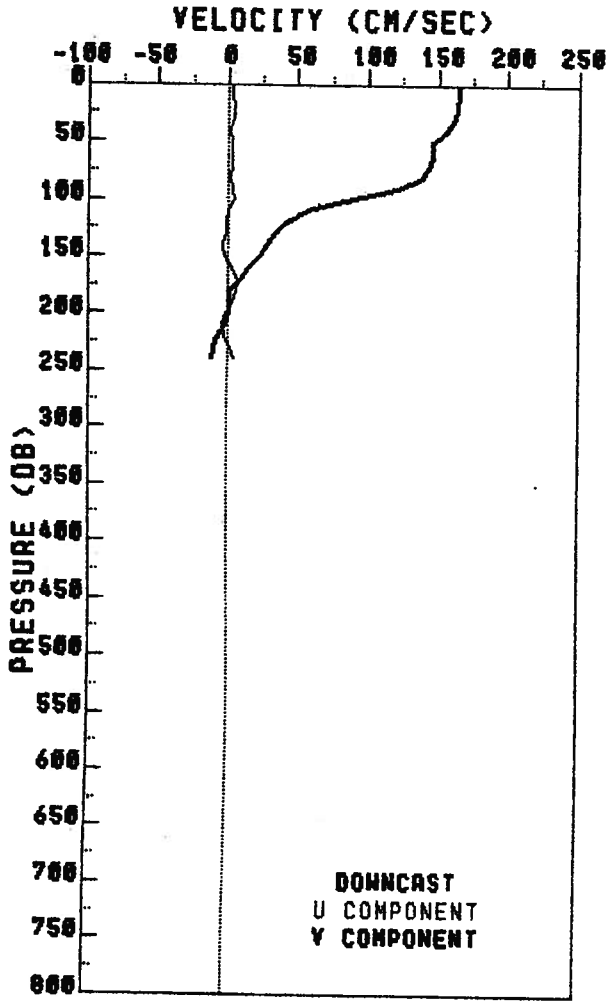


PRES	U	V
0	-3.2	127.4
10	-3.2	127.4
20	-3.2	127.4
30	-3.3	116.5
40	-3.7	107.8
50	-4.3	100.2
60	0.8	91.7
70	1.9	83.9
80	-3.4	66.9
90	-6.5	37.9
100	-4.1	15.8
110	-1.6	8.8
120	3.7	4.6
130	5.4	2.2

RES-STACS12-83 PEGASUS 038 STN 1

R/V RESEARCHER JDAY 336 TIME 1144Z

LATITUDE 26.98 N LONGITUDE 79.86 W

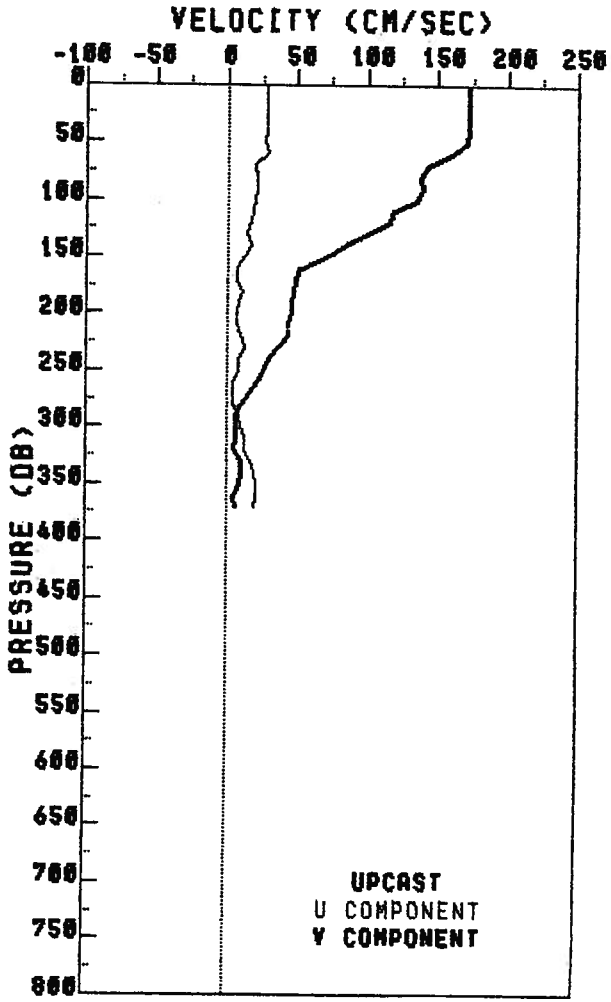


PRES	U	V
0	3.3	165.3
10	3.3	165.3
20	3.7	164.8
30	3.7	163.1
40	1.5	157.0
50	3.1	147.2
60	3.4	145.9
70	2.4	144.8
80	1.9	139.7
90	3.1	120.7
100	5.0	83.7
110	0.8	56.5
120	-1.7	43.2
130	-1.4	34.3
140	-4.5	28.8
150	-3.0	23.8
160	3.4	14.9
170	7.5	9.9
180	5.7	2.2
190	2.4	2.2
200	-0.5	1.6
220	-2.5	-6.7
240	3.7	-10.2

RES-STACS12-83 PEGASUS 039 STN 2

R/V RESEARCHER JDAY 336 TIME 1310Z

LATITUDE 26.96 N LONGITUDE 79.78 W

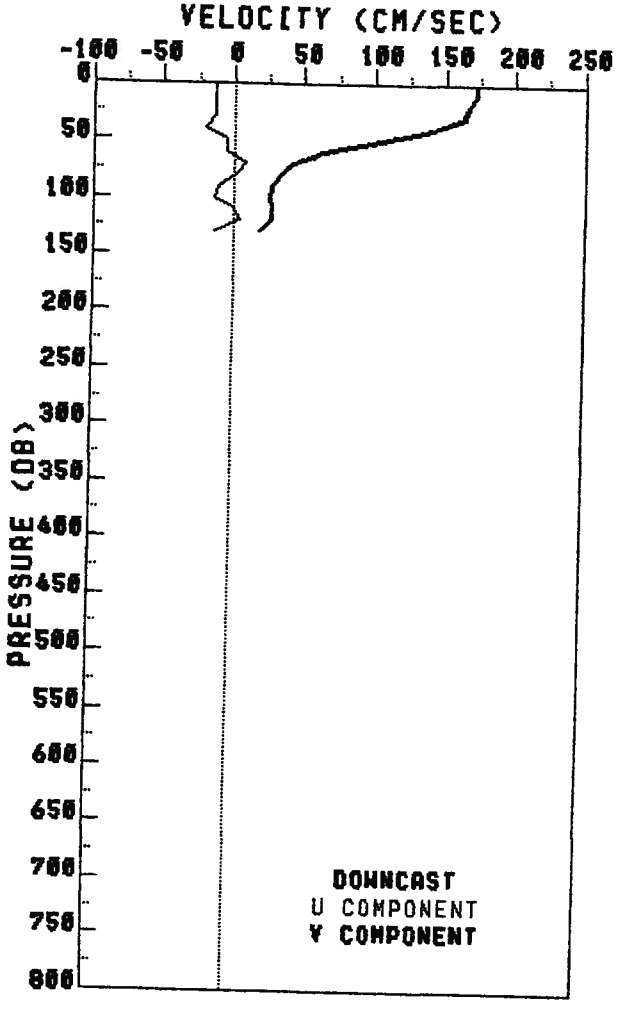


PRES	U	V
0	27.8	172.5
10	27.8	172.5
20	27.8	172.5
30	27.8	172.5
40	27.8	172.5
50	26.1	171.6
60	28.9	160.0
70	19.6	144.6
80	20.6	138.3
90	21.2	139.5
100	19.7	136.0
110	17.8	119.9
120	17.1	117.2
130	14.1	100.1
140	16.5	84.5
150	12.6	70.0
160	8.0	52.7
170	6.9	49.2
180	10.8	48.8
190	9.4	46.8
200	7.8	46.4
220	10.1	43.7
240	9.4	30.7
260	5.0	22.9
280	4.6	12.1
300	9.9	6.7
320	12.7	6.3
340	19.9	11.6
360	20.9	6.3

RES-STACS12-83 PEGASUS 046 STN 0

R/V RESEARCHER JDAY 337 TIME 1652Z

LATITUDE 26.99 N LONGITUDE 79.93 W

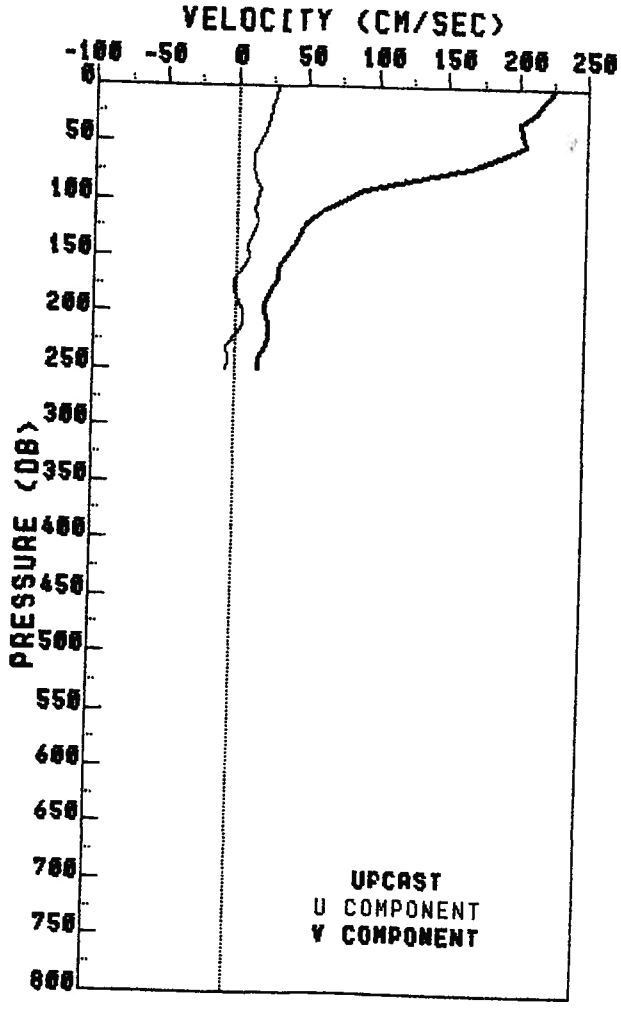


PRES	U	V
0	-14.0	171.9
10	-14.0	171.9
20	-13.4	167.6
30	-13.7	163.8
40	-19.6	141.1
50	-5.9	104.6
60	-5.5	62.6
70	8.3	42.4
80	1.7	34.5
90	-10.2	28.1
100	-13.0	25.9
110	-1.2	27.8
120	3.9	27.6
130	-13.2	19.3

RES-STACS12-83 PEGASUS 047 STN 1

R/V RESEARCHER JDAY 337 TIME 0180Z

LATITUDE 26.98 N LONGITUDE 79.86 W

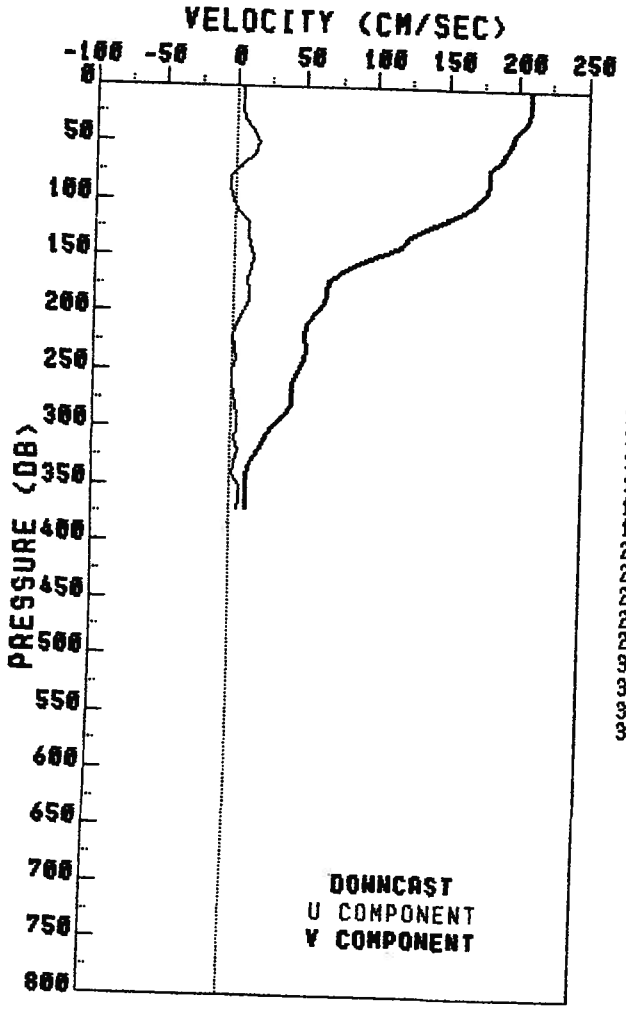


PRES	U	V
0	27.4	226.2
10	26.8	219.1
20	24.0	214.4
30	22.7	202.1
40	19.2	202.9
50	16.0	204.9
60	11.8	186.2
70	11.3	165.6
80	12.3	127.3
90	16.3	90.2
100	14.5	73.4
110	13.2	60.4
120	14.9	51.3
130	10.9	45.7
140	7.1	42.0
150	8.1	36.1
160	4.8	29.9
170	-1.2	30.3
180	-0.9	25.3
190	2.0	21.7
200	4.9	21.4
220	1.0	23.2
240	-5.5	17.3

RES-STACS12-83 PEGASUS 048 STN 2

R/V RESEARCHER JDAY 337 TIME 1917Z

LATITUDE 26.97 N LONGITUDE 79.79 W

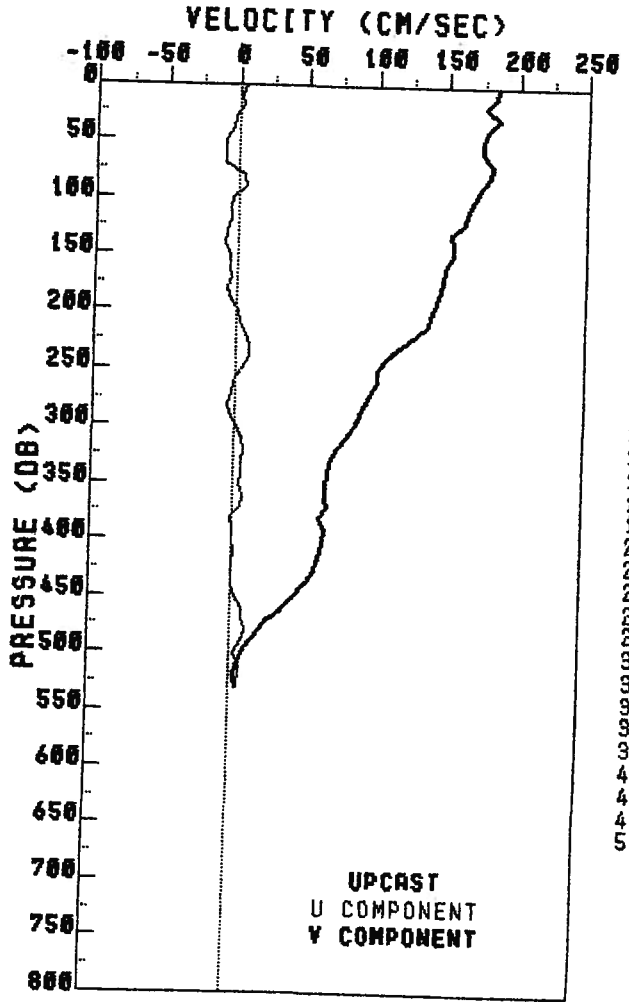


PRES	U	V
0	4.1	209.5
10	4.1	209.5
20	4.1	209.5
30	6.0	207.0
40	12.1	199.1
50	17.3	196.3
60	13.5	189.8
70	4.8	180.5
80	-3.5	181.4
90	-3.3	179.7
100	-1.3	171.1
110	1.7	160.5
120	10.4	142.1
130	10.0	126.4
140	11.6	118.7
150	13.9	97.2
160	12.1	79.0
170	9.3	68.4
180	11.6	66.6
190	10.9	65.6
200	6.6	60.7
220	0.0	52.2
240	2.9	52.5
260	0.5	44.3
280	2.4	44.5
300	4.0	30.0
320	5.2	20.8
340	1.8	12.9
360	7.5	12.8

RES-STACS12-83 PEGASUS 050 STN 3

R/V RESEARCHER JDAY 337 TIME 2315Z

LATITUDE 26.98 N LONGITUDE 79.67 W

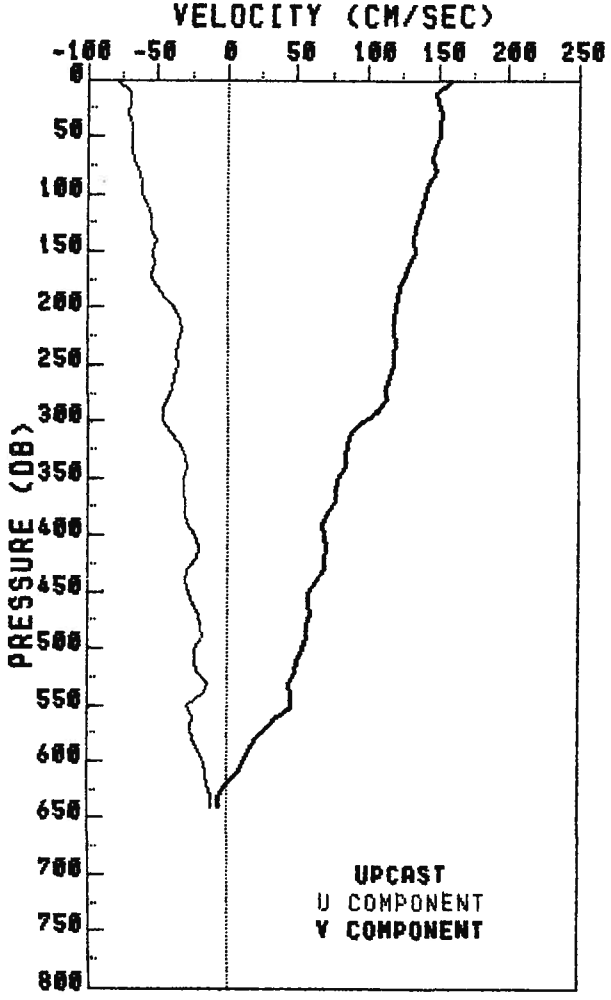


PRES	U	V
0	4.6	185.1
10	1.3	183.1
20	3.2	177.2
30	-2.7	186.4
40	-3.5	178.0
50	-8.8	175.2
60	-8.5	175.6
70	-8.7	181.7
80	4.2	180.9
90	6.0	173.6
100	-3.0	170.5
110	-4.3	165.7
120	-4.6	163.1
130	-7.7	154.1
140	-8.6	154.5
150	-5.5	155.2
160	-4.8	150.0
170	-3.6	147.6
180	-6.8	147.0
190	-3.3	144.2
200	1.6	141.9
220	7.8	128.8
240	9.4	110.2
260	-1.1	103.1
280	-5.3	93.0
300	1.9	86.4
320	6.9	74.5
340	5.6	69.0
360	7.4	67.5
380	-0.9	62.9
400	-0.1	66.2
420	0.9	61.8
470	8.8	28.4
520	6.9	4.9

RES-STACS12-83 PEGASUS 051 STN 4

R/V RESEARCHER JDAY 338 TIME 0048Z

LATITUDE 26.96 N LONGITUDE 79.61 W

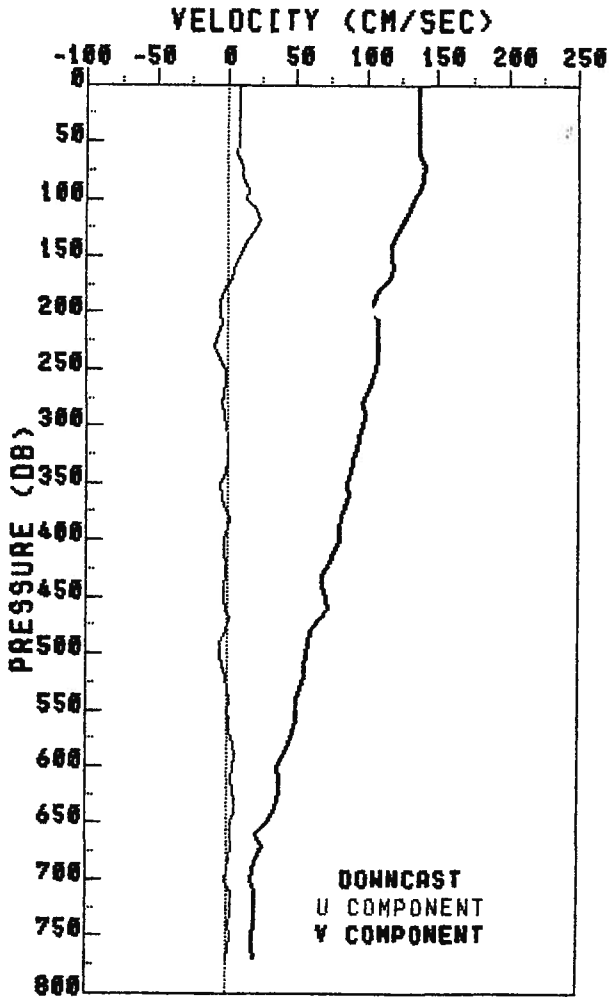


PRES	U	V
0	-78.7	159.4
10	-69.1	149.5
20	-68.9	150.9
30	-71.4	152.8
40	-67.5	151.6
50	-68.8	151.5
60	-68.0	147.4
70	-66.3	146.5
80	-62.3	149.1
90	-60.8	143.2
100	-61.6	141.6
110	-57.1	139.5
120	-54.0	137.1
130	-54.0	134.1
140	-50.6	132.5
150	-53.7	134.3
160	-52.0	130.3
170	-54.5	127.0
180	-50.6	123.1
190	-45.2	121.5
200	-37.9	120.0
220	-32.7	119.6
240	-36.8	118.5
260	-37.8	117.1
280	-43.8	113.3
300	-45.7	97.8
320	-33.9	86.4
340	-28.5	84.4
360	-31.2	78.1
380	-30.4	72.8
400	-23.2	70.0
420	-21.8	69.5
470	-20.8	60.0
520	-22.0	49.2
570	-25.6	30.5
620	-13.4	0.2

RES-STACS12-83 PEGASUS 052 STN 5

R/V RESEARCHER JDAY 338 TIME 0259Z

LATITUDE 26.97 N LONGITUDE 79.49 W

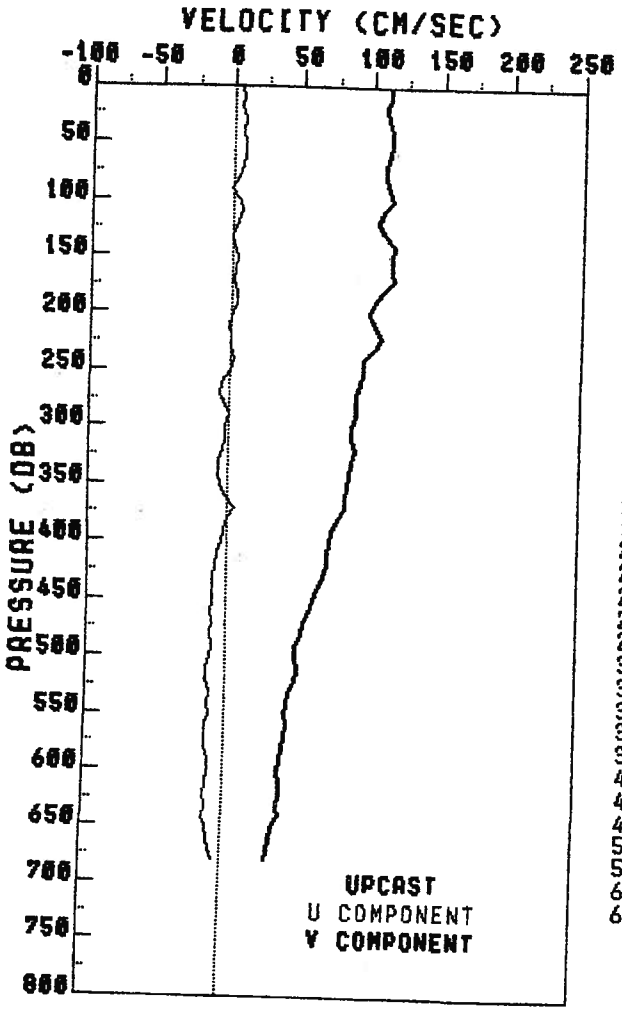


PRES	U	V
0	8.8	137.0
10	8.8	137.0
20	8.8	137.0
30	8.8	137.0
40	8.8	137.0
50	8.8	137.0
60	7.8	136.6
70	11.7	141.0
80	10.9	140.0
90	15.5	138.2
100	14.0	132.8
110	20.4	130.5
120	24.2	126.3
130	18.9	122.7
140	13.2	118.0
150	8.3	118.2
160	4.7	119.2
170	3.6	116.6
180	-1.8	108.3
190	-4.6	105.9
200	-5.4	107.4
220	-6.8	107.9
240	-5.5	108.8
260	-1.4	103.8
280	-3.5	97.2
300	-1.5	97.6
320	0.4	92.9
340	-1.2	89.8
360	-3.7	87.7
380	1.4	82.3
400	-2.0	80.8
420	-0.9	74.6
470	1.3	67.9
520	-1.1	56.9
570	2.4	48.3
620	4.0	39.5
670	2.9	26.4
720	2.9	21.5
770	1.0	21.0

RES-STACS12-83 PEGASUS 053 STN 6

R/V RESEARCHER JDAY 338 TIME 0529Z

LATITUDE 26.98 N LONGITUDE 79.37 W

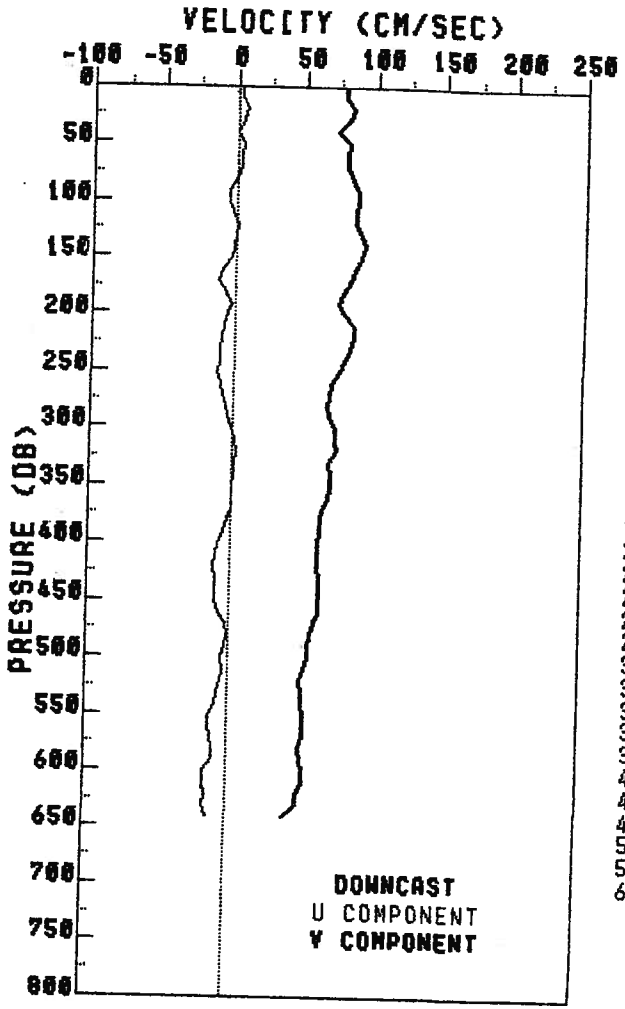


PRES	U	V
0	6.1	112.3
10	7.4	111.8
20	5.9	109.9
30	7.9	111.2
40	7.3	113.1
50	8.1	113.1
60	8.1	112.2
70	6.9	109.3
80	4.1	109.3
90	-0.5	111.7
100	5.2	115.4
110	7.3	108.5
120	4.8	106.0
130	0.5	109.8
140	0.9	115.8
150	5.0	114.5
160	3.1	115.2
170	1.0	115.9
180	3.9	108.8
190	4.1	102.2
200	1.2	99.8
220	0.8	108.1
240	3.2	95.7
260	-5.3	94.1
280	-2.7	91.7
300	-2.0	88.7
320	-3.9	92.1
340	-6.2	87.6
360	-1.7	84.7
380	-0.2	79.7
400	-4.0	74.3
420	-8.6	73.3
470	-9.8	55.8
520	-13.5	50.7
570	-13.4	44.6
620	-13.2	41.2
670	-7.5	35.1

RES-STACS12-83 PEGASUS 054 STN 7

R/V RESEARCHER JDAY 338 TIME 0736Z

LATITUDE 26.97 N LONGITUDE 79.27 W

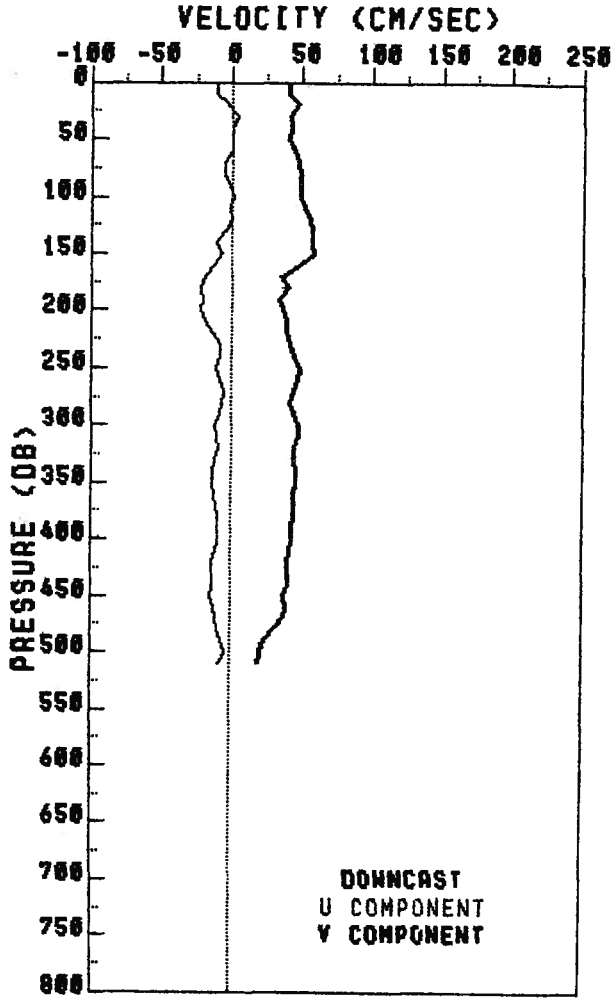


PRES	U	V
0	2.9	78.9
10	2.9	78.3
20	7.4	84.5
30	4.5	80.7
40	1.1	73.5
50	4.3	81.2
60	3.0	80.4
70	3.0	79.4
80	-0.1	84.3
90	-5.3	88.1
100	-5.4	87.9
110	-2.5	86.1
120	1.6	87.2
130	0.4	90.6
140	-0.4	93.3
150	-2.9	91.2
160	-9.6	86.5
170	-12.1	83.4
180	-6.6	78.2
190	-2.3	75.7
200	-4.8	80.5
220	-9.4	86.9
240	-10.6	79.7
260	-8.4	72.1
280	-5.6	68.5
300	-1.1	74.2
320	3.0	75.3
340	1.4	72.1
360	0.4	69.9
380	-1.6	65.4
400	-8.8	62.8
420	-11.4	63.5
470	-2.7	61.5
520	-4.5	52.7
570	-11.4	55.2
620	-14.2	50.7

RES-STACS12-83 PEGASUS 055 STN 8

R/V RESEARCHER JDAY 338 TIME 0950Z

LATITUDE 26.98 N LONGITUDE 79.19 W

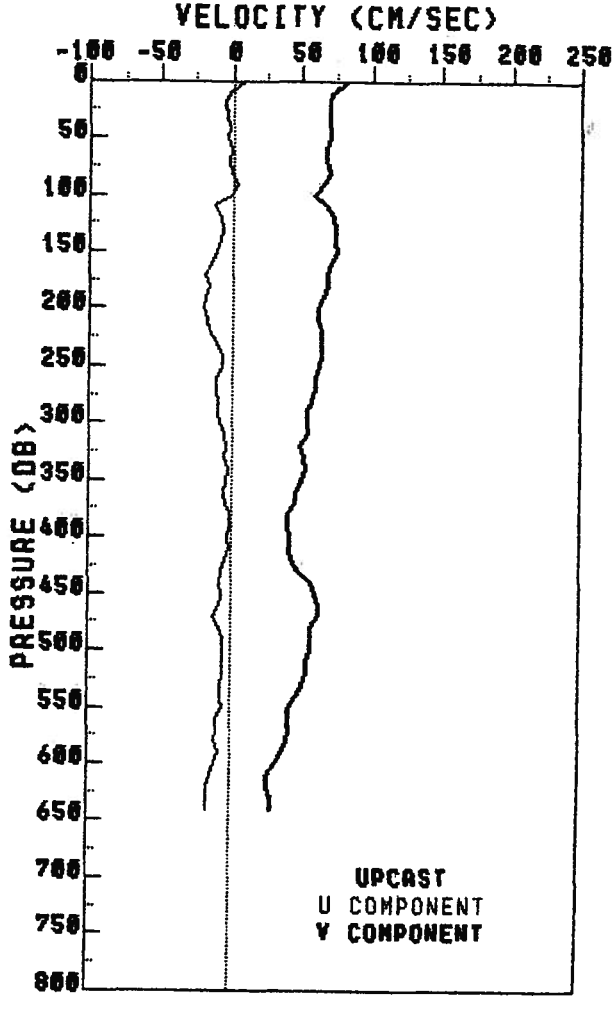


PRES	U	V
0	-10.9	41.1
10	-10.9	41.1
20	-2.1	47.5
30	4.4	43.0
40	0.5	42.7
50	0.4	41.6
60	0.2	45.5
70	-4.8	48.6
80	-5.1	49.1
90	-0.9	49.0
100	1.1	49.1
110	-1.3	52.3
120	0.9	56.3
130	-3.5	57.2
140	-10.6	57.9
150	-7.3	59.1
160	-12.0	47.5
170	-18.3	35.8
180	-22.0	40.6
190	-20.5	34.9
200	-21.3	37.5
220	-13.9	40.3
240	-7.5	45.7
260	-7.5	47.7
280	-6.4	42.3
300	-11.6	47.7
320	-9.8	45.6
340	-13.8	46.8
360	-11.8	45.9
380	-9.3	45.0
400	-8.9	44.0
420	-13.8	41.3
470	-10.4	38.4

RES-STACS12-83 PEGASUS 056 STN 7

R/V RESEARCHER JDAY 338 TIME 0122Z

LATITUDE 26.98 N LONGITUDE 79.27 W

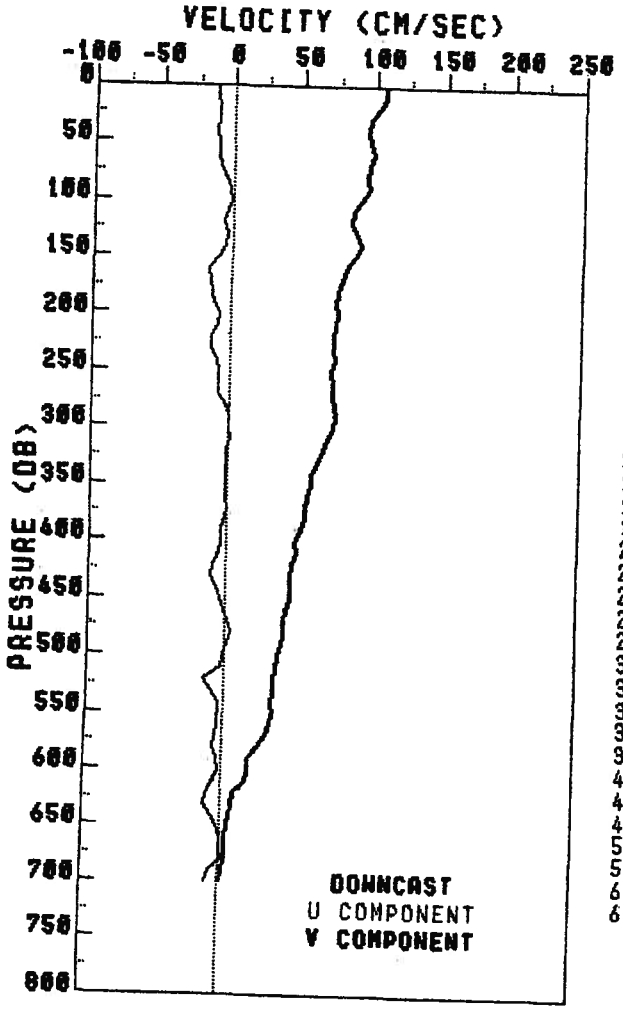


PRES	U	V
0	8.4	81.1
10	-1.7	71.3
20	-5.1	70.3
30	-3.6	70.3
40	-2.7	69.8
50	-3.3	69.9
60	-1.5	67.0
70	-2.1	67.0
80	-0.9	70.5
90	3.4	66.8
100	-0.5	59.9
110	-11.8	67.6
120	-7.2	72.6
130	-6.6	75.0
140	-8.2	74.7
150	-10.6	76.0
160	-14.9	71.0
170	-18.5	68.3
180	-16.2	69.1
190	-19.2	66.7
200	-19.5	62.5
220	-15.8	65.1
240	-6.5	65.3
260	-10.6	60.9
280	-9.4	58.6
300	-7.1	55.8
320	-3.5	49.5
340	-2.7	54.3
360	-4.8	47.4
380	-0.9	41.9
400	-2.3	43.4
420	-3.5	44.9
470	-11.2	63.1
520	-5.1	55.0
570	-8.5	42.7
620	-15.9	27.4

RES-STACS12-83 PEGASUS 057 STN 6

R/V RESEARCHER JDAY 338 TIME 1349Z

LATITUDE 26.98 N LONGITUDE 79.28 W

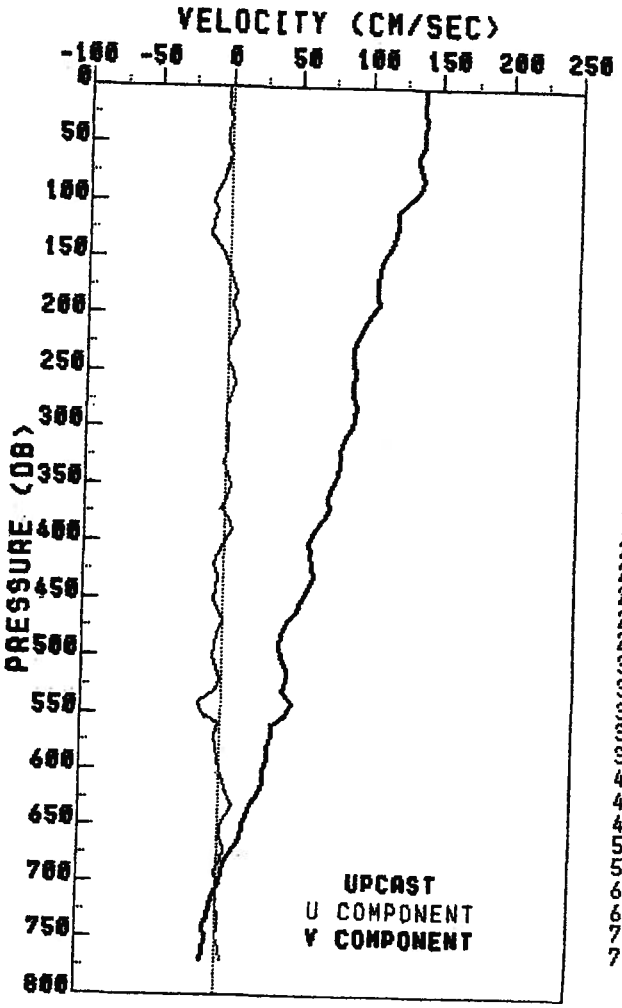


PRES	U	V
0	-12.3	107.0
10	-12.3	107.0
20	-10.1	103.9
30	-11.2	97.3
40	-11.8	96.4
50	-11.3	97.7
60	-10.3	99.7
70	-9.2	97.8
80	-4.8	96.4
90	-2.6	97.8
100	-0.6	92.4
110	-3.7	86.6
120	-6.6	85.4
130	-3.9	89.1
140	-5.6	92.0
150	-9.9	87.8
160	-16.4	82.7
170	-14.4	79.1
180	-14.1	77.3
190	-11.7	75.9
200	-7.6	76.7
220	-12.8	74.2
240	-9.8	75.3
260	-7.3	74.4
280	-2.5	75.6
300	0.5	75.6
320	-0.5	68.2
340	-1.1	61.0
360	-1.1	58.0
380	-1.5	56.8
400	-4.3	49.0
420	-8.9	48.7
470	1.5	42.0
520	-14.3	36.1
570	-5.3	31.3
620	-10.2	10.3
670	0.2	4.5

RES-STACS12-83 PEGASUS 058 STN 5

R/V RESEARCHER JDAY 338 TIME 1557Z

LATITUDE 26.97 N LONGITUDE 79.49 W

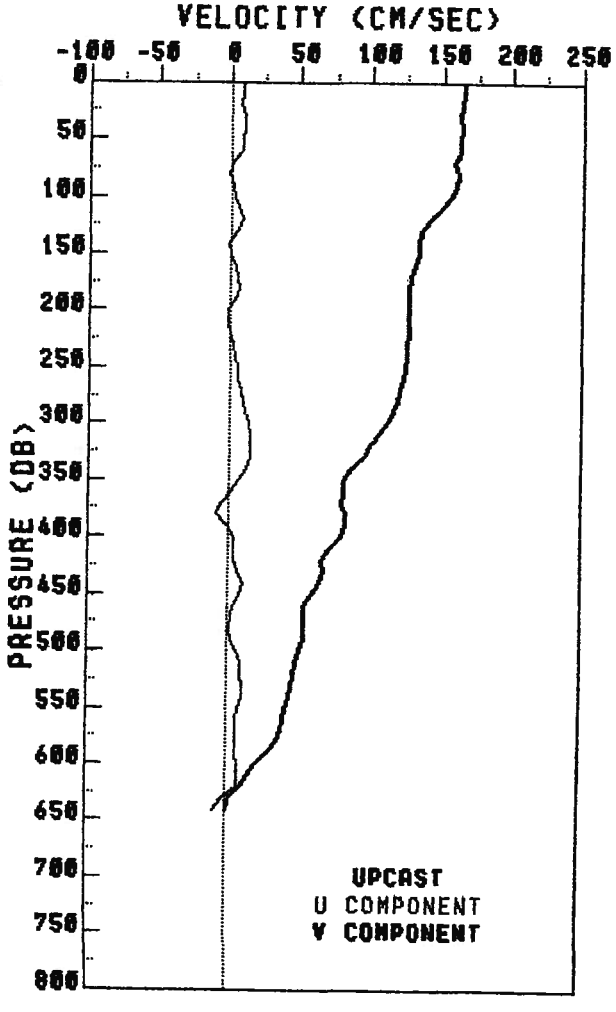


PRES	U	V
0	-2.7	138.2
10	-2.7	138.2
20	-2.9	138.9
30	0.1	139.4
40	-1.6	139.1
50	-1.8	138.0
60	0.5	134.4
70	-2.1	135.5
80	-5.1	139.1
90	-9.1	136.5
100	-11.4	127.3
110	-9.6	120.9
120	-11.2	120.9
130	-12.5	118.9
140	-8.3	117.2
150	-1.9	111.2
160	0.6	108.5
170	3.9	106.8
180	5.4	107.6
190	3.5	107.9
200	5.8	102.9
220	3.5	94.1
240	1.2	91.1
260	5.6	90.2
280	0.7	93.8
300	2.1	90.3
320	2.4	81.9
340	1.7	81.2
360	1.4	74.9
380	3.7	71.1
400	0.3	61.4
420	-6.1	63.4
470	0.6	46.9
520	-1.4	47.5
570	-3.6	37.6
620	5.5	28.9
670	4.0	12.4
720	0.9	-3.6
770	4.2	-8.7

RES-STACS12-83 PEGASUS 059 STN 4

R/V RESEARCHER JDAY 338 TIME 0187Z

LATITUDE 26.96 N LONGITUDE 79.61 W

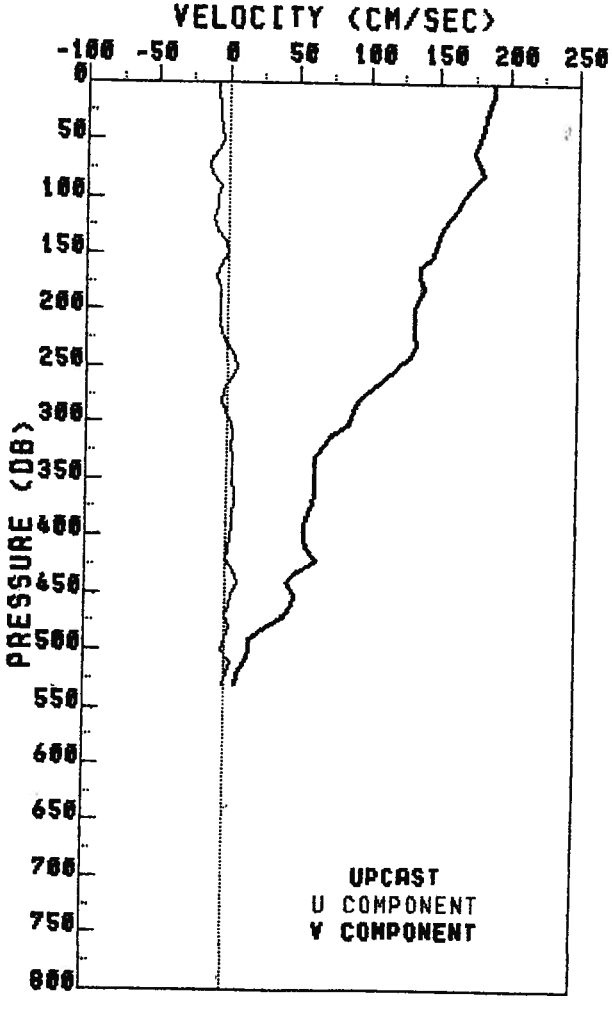


PRES	U	V
0	7.9	165.4
10	7.9	165.4
20	7.1	164.6
30	9.3	163.3
40	9.4	163.6
50	8.3	163.1
60	8.9	163.1
70	1.5	158.8
80	-1.5	161.1
90	2.2	159.9
100	3.5	156.2
110	6.1	150.2
120	7.8	142.1
130	6.3	135.1
140	-1.6	134.9
150	-0.2	134.5
160	3.8	131.5
170	6.1	129.1
180	7.4	127.9
190	4.0	126.7
200	-1.0	127.1
220	-0.2	127.3
240	3.7	125.4
260	6.2	123.6
280	9.5	119.1
300	13.4	112.3
320	15.7	100.4
340	12.6	87.4
360	1.0	81.6
380	-7.4	83.4
400	4.8	80.4
420	3.9	67.8
470	2.8	54.5
520	9.6	48.2
570	7.7	40.3
620	8.3	10.6

RES-STACS12-83 PEGASUS 060 STN 3

R/V RESEARCHER JDAY 338 TIME 1945Z

LATITUDE 26.97 N LONGITUDE 79.67 W

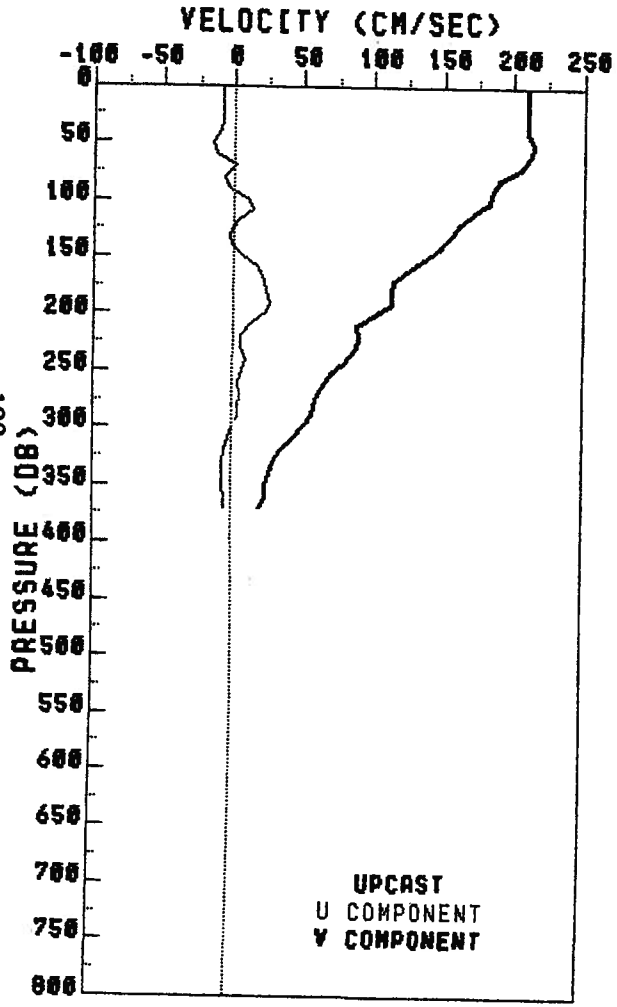


PRES	U	V
0	-7.7	189.8
10	-7.7	189.8
20	-6.4	186.8
30	-6.6	183.9
40	-5.2	182.4
50	-3.8	179.9
60	-7.0	176.2
70	-13.1	179.1
80	-12.1	182.2
90	-4.8	174.0
100	-7.2	166.7
110	-7.4	165.1
120	-9.9	158.0
130	-7.3	151.6
140	-0.8	149.0
150	0.0	147.4
160	-4.5	137.1
170	-8.1	137.1
180	-4.7	139.8
190	-4.4	135.3
200	-4.7	132.9
220	-3.9	133.6
240	5.8	129.8
260	3.8	111.2
280	-2.9	93.6
300	3.6	88.2
320	3.0	70.1
340	4.3	63.1
360	5.5	63.1
380	4.9	59.3
400	3.0	56.5
420	0.1	65.0
470	0.7	42.9
520	2.4	10.0

RES-STACS12-83 PEGASUS 061 STN 2

R/V RESEARCHER JDAY 338 TIME 2158Z

LATITUDE 26.97 N LONGITUDE 79.78 W

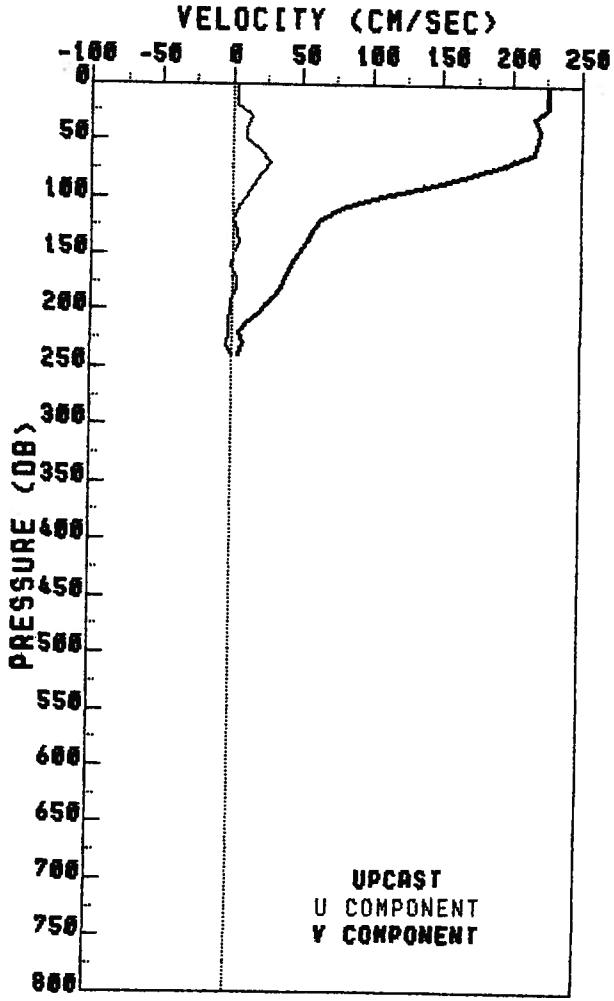


PRES	U	V
0	-8.5	210.8
10	-8.5	210.8
20	-8.5	210.8
30	-8.5	210.8
40	-8.9	211.0
50	-14.7	215.0
60	-11.5	213.4
70	1.1	207.0
80	-6.4	191.2
90	-2.8	186.7
100	11.0	183.5
110	14.5	172.7
120	3.1	163.4
130	-2.4	158.0
140	-1.4	149.5
150	6.5	138.5
160	17.5	125.5
170	22.7	115.0
180	23.2	113.9
190	25.9	114.1
200	23.5	102.5
220	5.5	89.8
240	9.3	82.8
260	4.4	67.3
280	4.5	58.4
300	0.3	51.1
320	-4.6	35.2
340	-7.1	27.1
360	-4.7	25.3

RES-STACS12-83 PEGASUS 062 STN 1

R/V RESEARCHER JDAY 338 TIME 2326Z

LATITUDE 26.99 N LONGITUDE 79.86 W

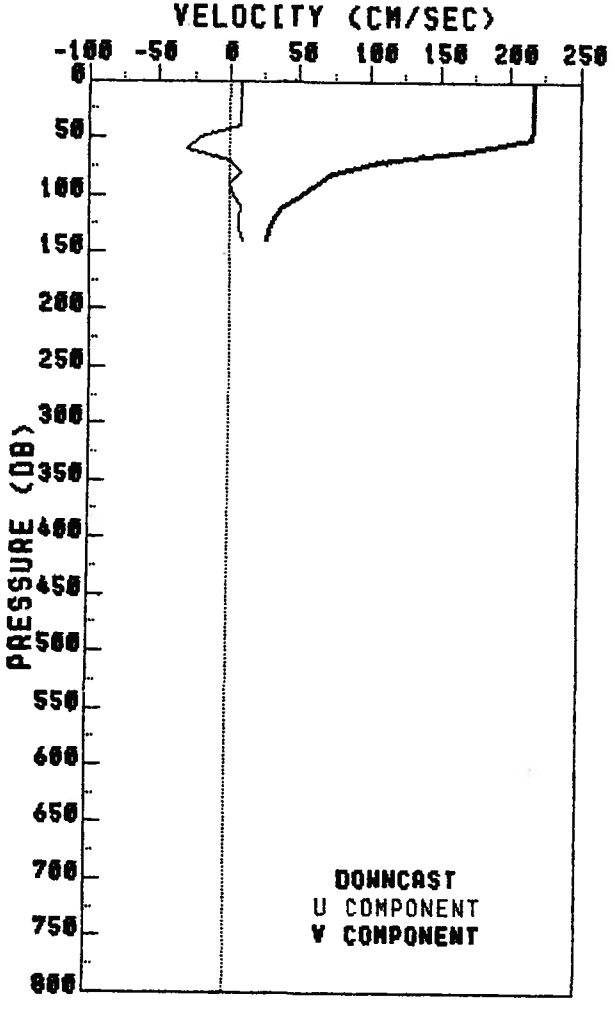


PRES	U	V
0	2.6	226.4
10	2.6	226.4
20	2.6	226.4
30	13.6	215.9
40	10.4	220.9
50	10.4	219.0
60	21.2	216.3
70	27.2	195.9
80	21.0	170.4
90	16.0	140.6
100	9.9	102.2
110	4.2	78.8
120	0.3	64.2
130	3.0	58.2
140	4.8	53.5
150	1.1	47.8
160	-1.1	43.5
170	3.3	39.5
180	3.0	35.8
190	-0.3	29.4
200	-0.4	22.0
220	-2.0	6.6
240	0.4	6.0

RES-STACS12-83 PEGASUS 063 STN 0

R/V RESEARCHER JDAY 339 TIME 0038Z

LATITUDE 26.98 N LONGITUDE 79.93 W

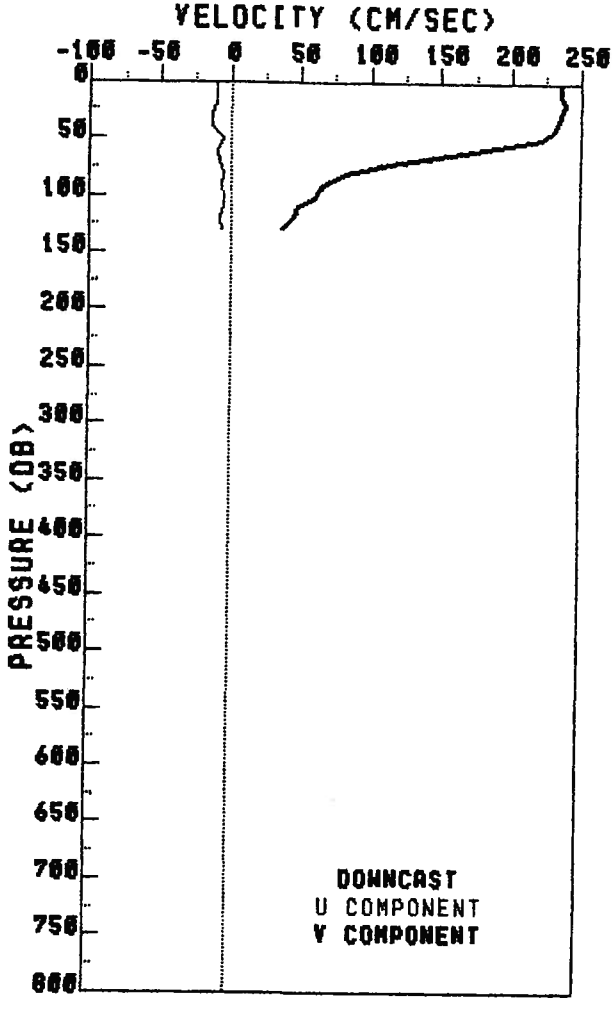


PRES	U	V
0	7.9	218.1
10	7.9	218.1
20	7.9	218.1
30	7.9	218.1
40	7.9	218.1
50	-19.7	215.8
60	-30.5	172.1
70	0.5	108.2
80	8.4	74.7
90	0.2	61.4
100	2.6	51.0
110	9.0	40.5
120	7.2	32.7
130	7.4	29.5
140	9.6	27.0

RES-STACS12-83 PEGASUS 064 STN 0

R/V RESEARCHER JDAY 339 TIME 0717Z

LATITUDE 26.98 N LONGITUDE 79.93 W

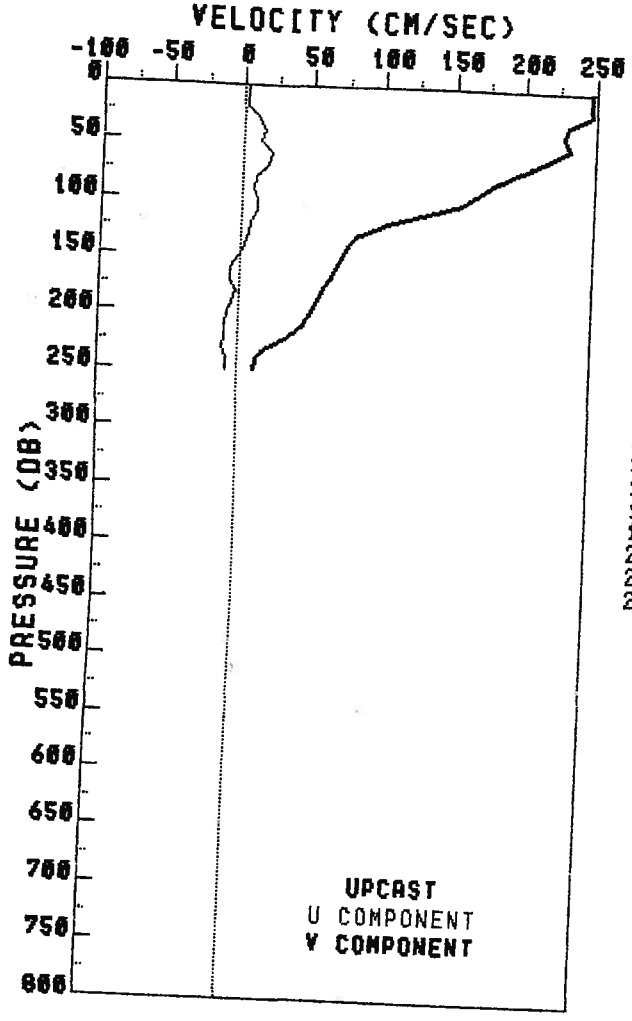


PRES	U	V
0	-9.9	236.0
10	-9.9	236.0
20	-10.3	238.3
30	-13.1	236.0
40	-12.8	231.7
50	-4.3	222.0
60	-8.5	174.7
70	-8.1	120.3
80	-4.9	81.8
90	-6.5	65.9
100	-5.5	60.6
110	-5.4	48.9
120	-7.6	45.8
130	-6.3	37.4

RES-STACS12-83 PEGASUS 065 STN 1

R/V RESEARCHER JDAY 339 TIME 0827Z

LATITUDE 26.98 N LONGITUDE 79.86 W

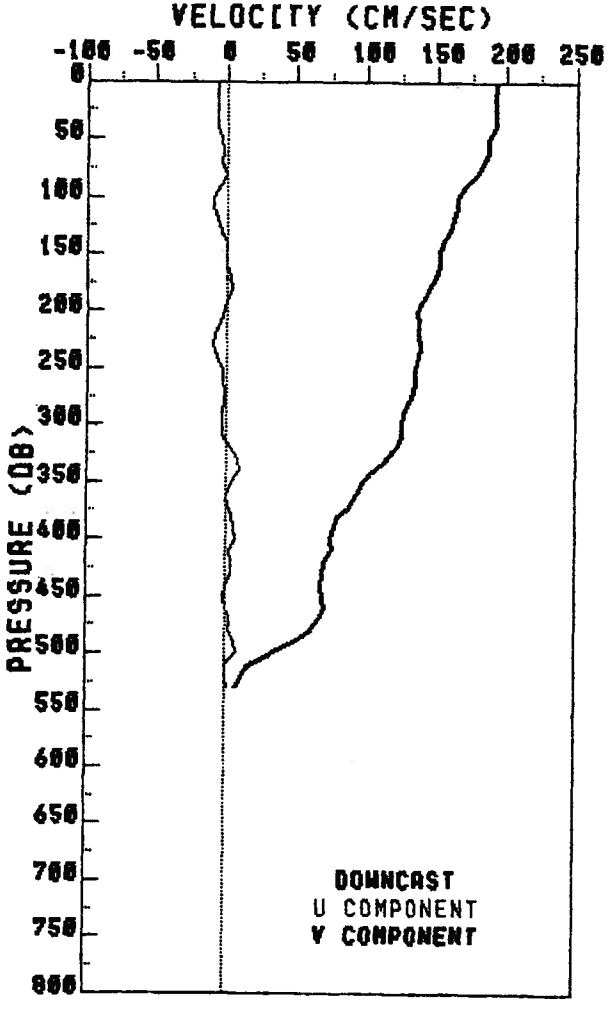


PRES	U	V
0	2.5	247.1
10	2.5	247.1
20	2.5	247.1
30	10.7	231.8
40	15.7	228.1
50	13.0	232.4
60	20.1	215.7
70	18.2	198.1
80	10.3	180.1
90	8.7	168.1
100	11.5	156.4
110	10.9	133.4
120	7.4	104.8
130	5.1	85.0
140	3.0	76.6
150	-1.2	73.3
160	-6.3	68.2
170	-6.2	64.5
180	-2.7	59.5
190	-5.0	54.3
200	-7.9	52.0
220	-9.8	35.6
240	-7.9	13.3

RES-STACS12-83 PEGASUS 067 STN 3

R/V RESEARCHER JDAY 339 TIME 1127Z

LATITUDE 26.98 N LONGITUDE 79.67 W

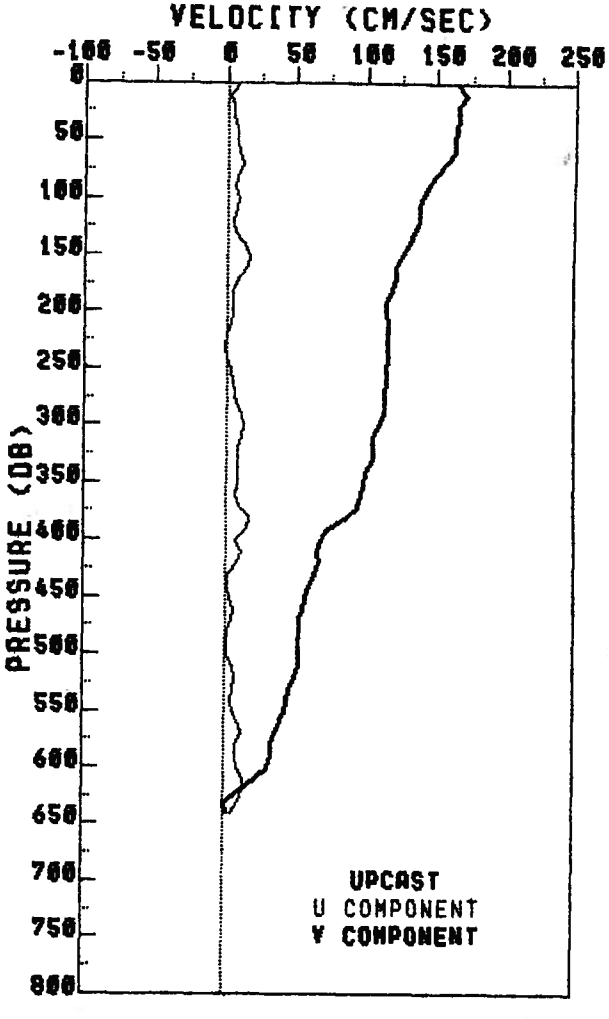


PRES	U	V
0	-6.3	192.6
10	-6.3	192.6
20	-6.3	192.6
30	-6.3	192.6
40	-6.3	192.5
50	-3.8	188.1
60	-2.7	187.8
70	-3.6	182.9
80	0.9	179.8
90	-3.9	171.7
100	-9.1	165.9
110	-9.5	166.1
120	-6.8	162.9
130	-3.7	160.3
140	-0.2	154.9
150	0.4	153.4
160	-0.4	153.6
170	2.6	150.4
180	4.7	144.6
190	0.4	140.6
200	-0.6	137.6
220	-7.9	137.9
240	-7.0	138.8
260	-2.4	135.1
280	-1.0	131.3
300	-3.2	126.1
320	3.4	122.6
340	9.2	105.4
360	0.5	94.0
380	4.2	81.1
400	6.9	75.3
420	4.8	71.4
470	3.6	67.9
520	0.6	12.8

RES-STACS12-83 PEGASUS 068 STN 4

R/V RESEARCHER JDAY 339 TIME 1318Z

LATITUDE 26.96 N LONGITUDE 79.61 W

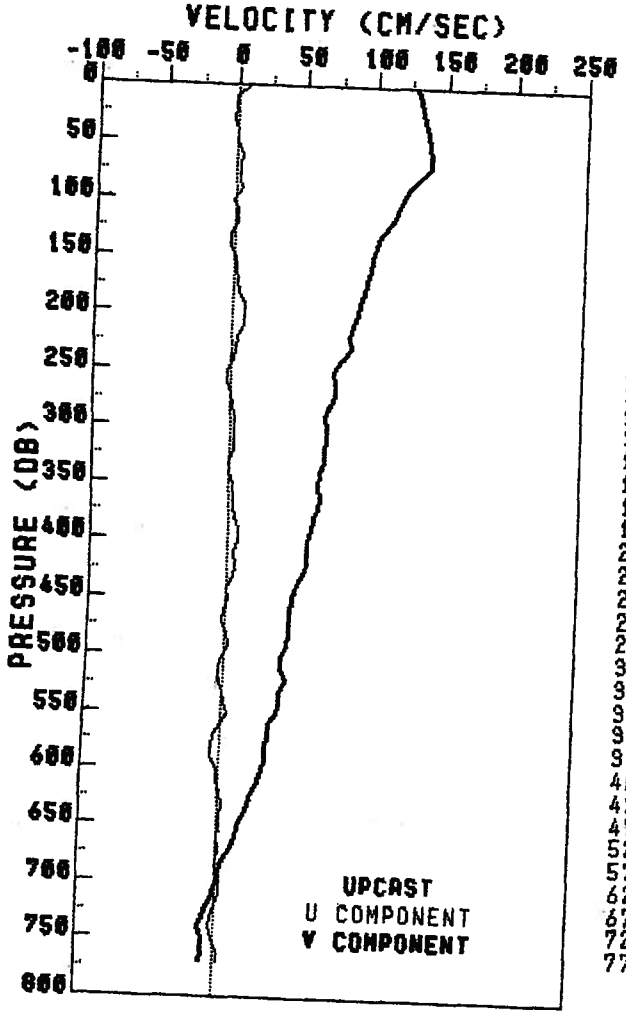


PRES	U	V
0	9.2	164.7
10	1.5	171.3
20	4.3	166.6
30	4.9	166.5
40	7.7	164.2
50	7.8	162.6
60	9.4	163.6
70	12.0	157.0
80	7.8	149.6
90	5.7	144.7
100	8.4	140.4
110	7.6	139.1
120	4.9	138.2
130	5.8	134.8
140	12.4	131.3
150	17.2	126.3
160	15.2	121.7
170	8.4	122.1
180	4.9	119.8
190	4.4	115.9
200	4.7	115.1
220	0.1	117.2
240	1.0	116.4
260	4.1	115.8
280	7.1	114.4
300	12.8	109.6
320	9.3	105.4
340	9.0	100.9
360	7.7	98.0
380	16.8	87.2
400	7.1	69.4
420	8.9	67.5
470	4.9	53.8
520	7.4	50.7
570	12.7	37.4
620	13.9	11.1

RES-STACS12-83 PEGASUS 069 STN 5

R/V RESEARCHER JDAY 339 TIME 1523Z

LATITUDE 26.97 N LONGITUDE 79.49 W

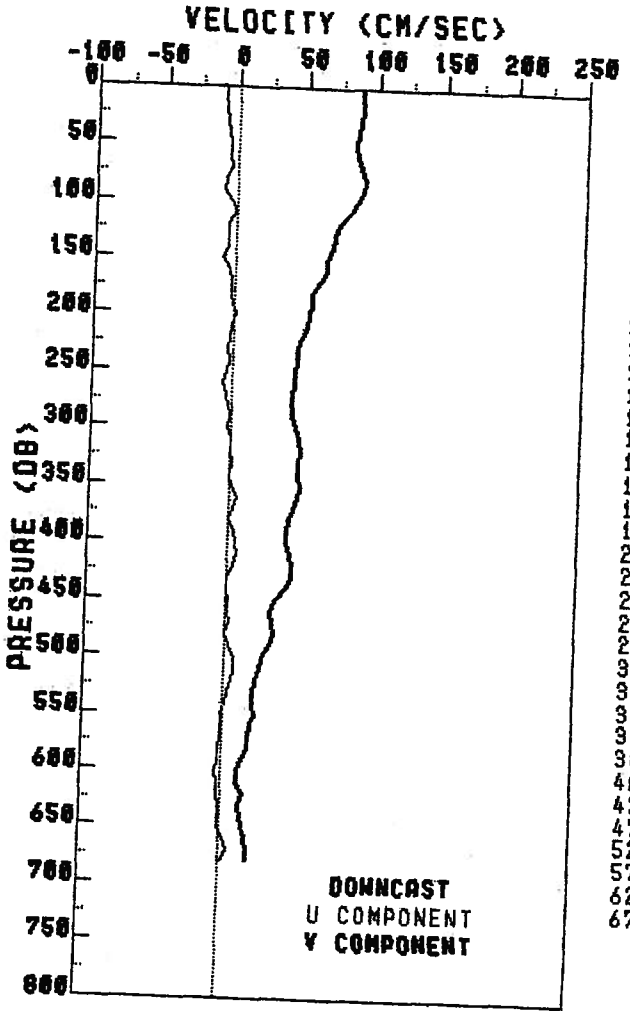


PRES	U	V
0	8.1	128.9
10	-1.1	132.0
20	-1.8	132.6
30	-2.8	134.6
40	0.5	136.3
50	0.5	138.6
60	3.7	139.5
70	3.4	139.4
80	3.3	131.5
90	4.6	123.4
100	-0.5	118.9
110	1.6	116.9
120	2.1	112.5
130	-3.0	106.0
140	-2.3	102.2
150	1.0	99.7
160	1.4	98.7
170	2.6	95.8
180	3.8	94.8
190	8.8	91.3
200	7.9	90.0
220	4.2	85.6
240	1.2	79.4
260	-2.1	75.7
280	1.6	72.8
300	3.2	70.3
320	2.9	69.2
340	-0.1	66.2
360	2.6	65.3
380	4.3	62.4
400	6.6	57.9
420	6.3	58.1
470	-2.6	46.2
520	-3.6	44.8
570	-4.9	34.7
620	1.1	25.5
670	1.7	10.5
720	-0.4	-5.4
770	3.2	-9.8

RES-STACS12-83 PEGASUS 070 STN 6

R/V RESEARCHER JDAY 339 TIME 1733Z

LATITUDE 26.98 N LONGITUDE 79.36 W

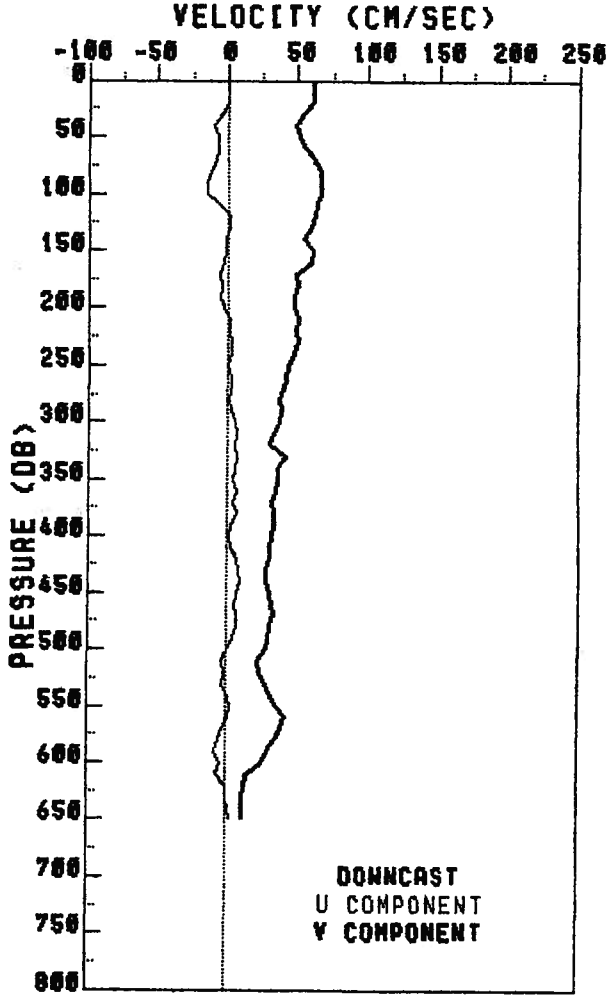


PRES	U	V
0	-9.3	89.1
10	-9.3	89.1
20	-9.3	89.1
30	-7.6	88.3
40	-5.9	86.4
50	-5.0	85.6
60	-5.4	86.5
70	-3.9	89.6
80	-7.3	91.5
90	-9.4	90.1
100	-3.9	86.8
110	0.5	82.5
120	-4.7	74.6
130	-4.9	72.0
140	-4.8	70.5
150	-8.4	66.0
160	-3.4	66.0
170	-2.5	61.5
180	-1.9	56.4
190	-0.9	56.0
200	1.6	55.4
220	-2.4	50.2
240	-2.3	47.1
260	-6.7	45.6
280	-1.7	44.4
300	-1.5	46.7
320	0.7	50.8
340	0.4	50.2
360	5.8	50.1
380	0.9	44.3
400	5.7	42.5
420	4.1	46.7
470	3.7	35.1
520	5.8	24.0
570	-1.0	20.3
620	-2.6	16.3
670	6.1	21.7

RES-STACS12-83 PEGASUS 071 STN 7

R/V RESEARCHER JDAY 339 TIME 1917Z

LATITUDE 26.97 N LONGITUDE 79.28 W

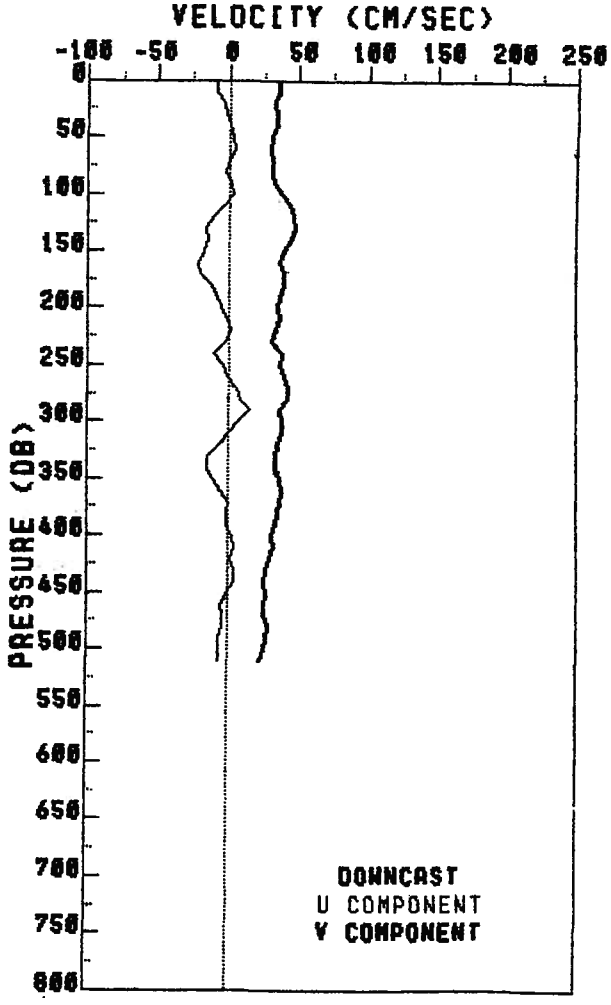


PRES	U	V
0	-0.1	61.5
10	-0.1	61.5
20	0.1	61.2
30	-4.4	54.8
40	-9.8	49.6
50	-6.6	52.8
60	-6.4	56.2
70	-8.2	63.5
80	-12.1	66.9
90	-14.9	67.8
100	-15.5	67.6
110	-6.6	65.1
120	1.4	63.7
130	1.3	60.8
140	-0.9	55.2
150	-1.2	61.7
160	-2.9	60.8
170	-5.8	49.8
180	-4.4	50.6
190	-5.4	47.7
200	-2.4	47.5
220	2.1	49.7
240	2.4	47.6
260	2.8	42.7
280	1.7	38.3
300	5.6	38.1
320	5.4	31.4
340	6.0	37.6
360	6.5	36.0
380	6.6	34.3
400	1.0	32.9
420	6.8	31.3
470	7.1	34.4
520	-1.3	24.5
570	-2.8	40.2
620	-0.3	13.4

RES-STACS12-83 PEGASUS 072 STN 8

R/V RESEARCHER JDAY 339 TIME 0217Z

LATITUDE 26.99 N LONGITUDE 79.19 W

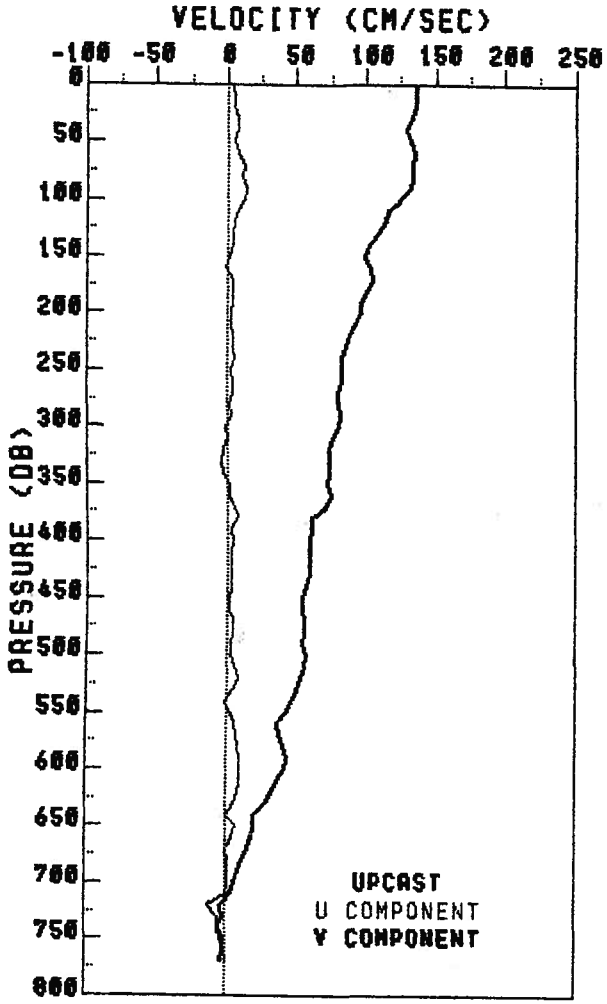


PRES	U	V
0	-9.7	35.9
10	-9.7	35.9
20	-4.1	33.9
30	-1.8	34.3
40	0.4	34.7
50	2.8	32.2
60	4.9	30.5
70	1.2	31.7
80	-2.3	32.5
90	2.3	33.1
100	2.7	38.4
110	-2.8	44.0
120	-11.0	47.3
130	-15.4	48.4
140	-15.1	46.3
150	-16.9	40.5
160	-21.7	37.7
170	-19.6	40.2
180	-12.3	39.7
190	-7.1	37.0
200	-5.1	36.1
220	1.5	34.5
240	-11.0	38.5
260	-1.1	40.7
280	9.0	42.3
300	7.6	39.2
320	-6.4	36.6
340	-14.7	34.3
360	-5.2	38.5
380	-0.3	36.6
400	2.6	32.2
420	2.4	30.6
470	-4.2	26.2

RES-STACS12-83 PEGASUS 073 STN 5

R/V RESEARCHER JDAY 339 TIME 0009Z

LATITUDE 26.99 N LONGITUDE 79.49 W

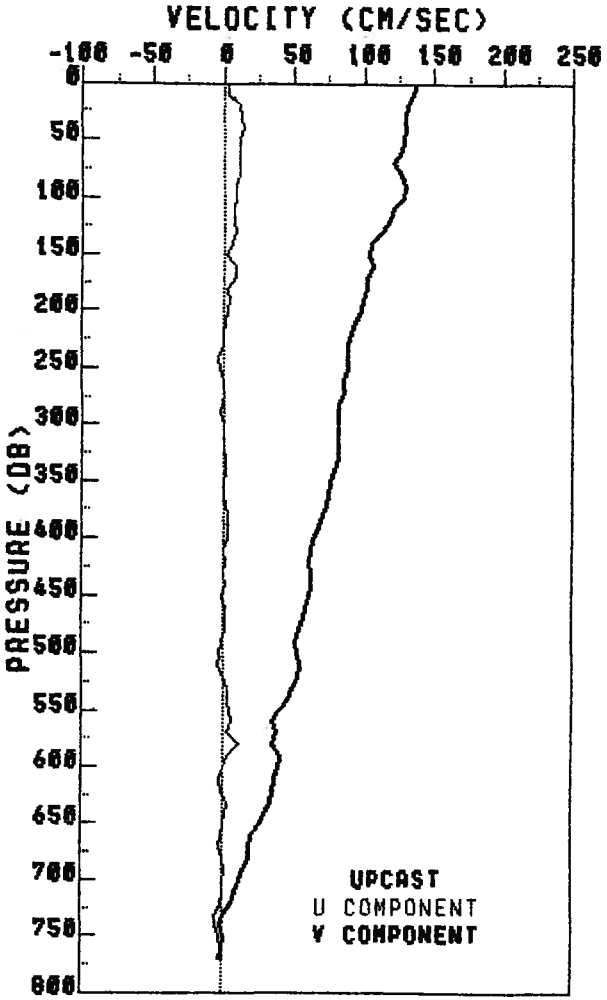


PRES	U	V
0	4.5	137.5
10	5.4	136.6
20	6.3	137.6
30	8.8	134.8
40	9.1	129.9
50	5.5	132.5
60	8.3	135.4
70	12.3	134.4
80	11.3	134.0
90	13.9	132.4
100	12.1	124.6
110	9.0	116.0
120	5.1	114.8
130	4.3	109.1
140	4.6	103.3
150	1.1	100.3
160	-1.8	104.2
170	4.2	106.1
180	3.9	101.3
190	3.7	97.8
200	2.5	96.9
220	4.4	88.5
240	5.8	84.2
260	4.5	83.6
280	1.8	81.5
300	-0.7	81.1
320	-2.0	74.3
340	-2.0	74.5
360	1.1	75.5
380	8.2	61.7
400	3.9	59.8
420	3.0	59.9
470	3.9	56.5
520	8.6	53.0
570	7.0	38.4
620	8.5	33.3
670	0.7	16.0
720	-11.5	-3.2
770	0.8	-2.4

RES-STACS12-83 PEGASUS 074 STN 5

R/V RESEARCHER JDAY 340 TIME 0242Z

LATITUDE 27.00 N LONGITUDE 79.50 W

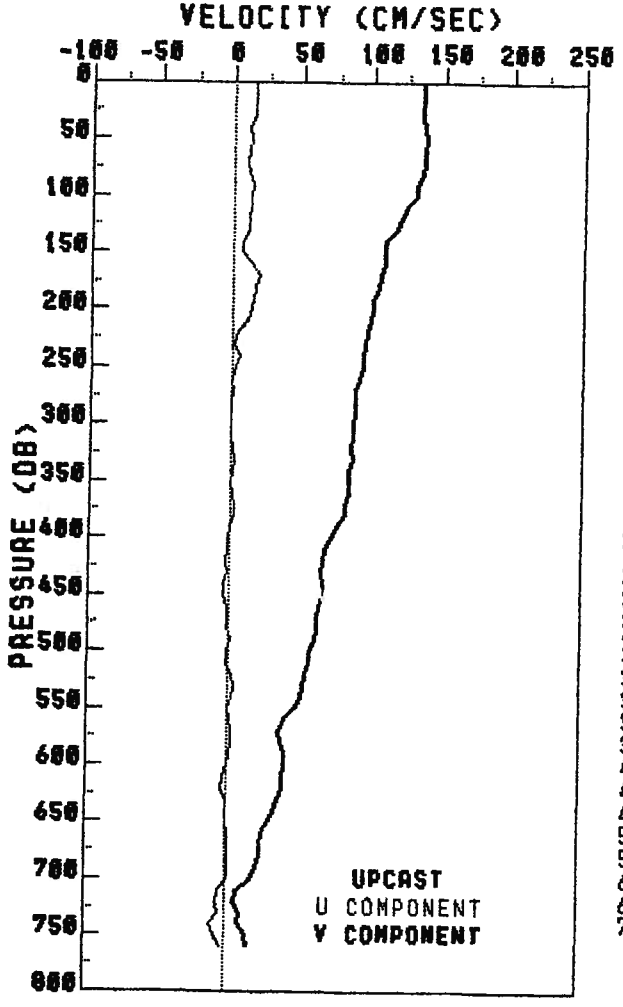


PRES	U	V
0	3.2	137.8
10	3.1	135.7
20	11.1	132.4
30	13.5	130.7
40	13.7	130.5
50	12.1	129.3
60	10.8	127.9
70	10.9	122.3
80	10.9	127.7
90	8.7	130.4
100	8.6	129.3
110	6.8	121.6
120	6.8	120.1
130	8.8	114.7
140	6.2	106.4
150	2.3	104.9
160	8.1	107.7
170	8.3	102.6
180	3.1	103.4
190	4.2	100.9
200	2.9	99.0
220	0.6	92.0
240	-3.5	89.2
260	0.4	86.2
280	-1.3	83.0
300	1.0	83.1
320	0.8	83.1
340	1.2	79.4
360	0.3	75.3
380	2.8	71.9
400	3.0	64.8
420	1.9	62.5
470	1.7	57.8
520	-0.1	53.3
570	3.1	39.3
620	-0.5	36.3
670	-2.3	19.9
720	-0.6	7.4
770	0.3	-0.5

RES-STACS12-83 PEGASUS 075 STN 5

R/V RESEARCHER JDAY 340 TIME 0055Z

LATITUDE 27.00 N LONGITUDE 79.50 W

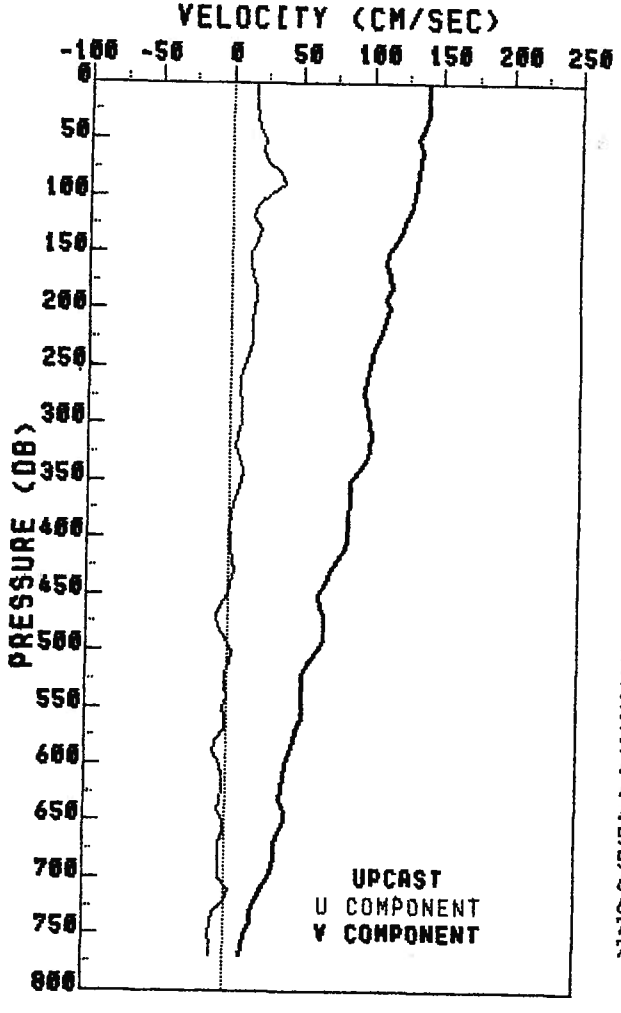


PRES	U	V
0	15.7	135.6
10	15.7	135.6
20	15.7	135.6
30	15.6	135.4
40	11.4	137.0
50	13.0	137.8
60	11.5	137.1
70	10.4	136.4
80	11.8	135.1
90	13.3	131.1
100	12.2	130.8
110	12.5	125.3
120	11.6	120.9
130	11.8	117.3
140	7.3	110.2
150	6.8	109.1
160	13.4	109.4
170	18.8	107.1
180	16.2	105.0
190	14.6	102.0
200	13.7	100.8
220	3.7	98.0
240	5.1	93.9
260	-0.1	92.1
280	0.5	89.6
300	0.8	87.3
320	1.6	86.7
340	1.1	85.1
360	2.2	84.7
380	3.6	81.8
400	-0.5	72.7
420	-2.5	67.0
470	-0.9	62.8
520	2.3	55.3
570	3.4	36.7
620	-4.2	39.4
670	1.5	24.3
720	-6.3	7.6

RES-STACS12-83 PEGASUS 076 STN 5

R/V RESEARCHER JDAY 340 TIME 0749Z

LATITUDE 26.99 N LONGITUDE 79.50 W

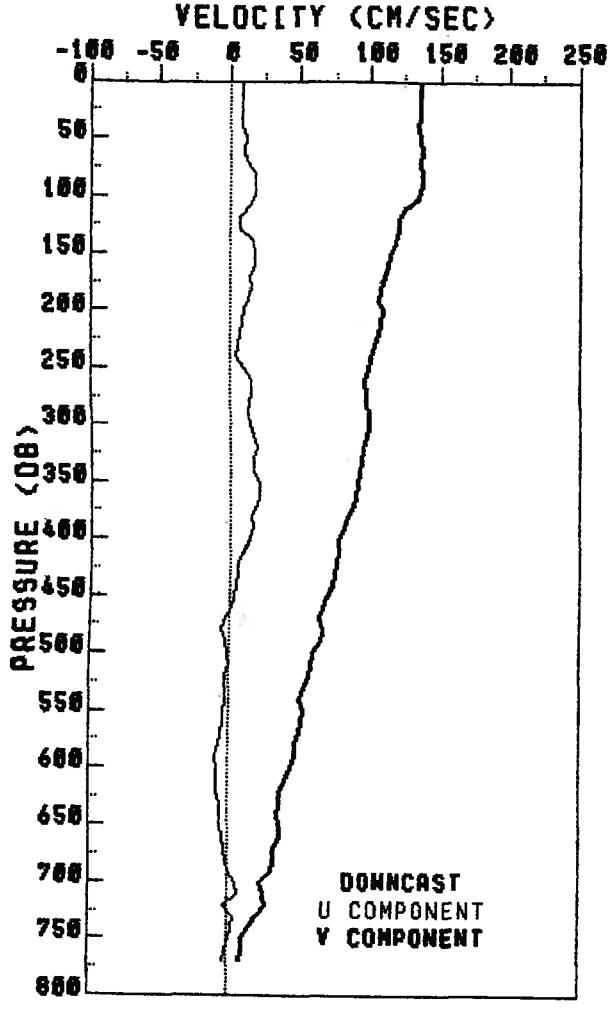


PRES	U	V
0	17.5	140.6
10	17.5	140.6
20	17.5	140.6
30	17.9	139.4
40	19.5	137.1
50	24.0	133.0
60	22.7	135.2
70	25.4	135.2
80	35.0	132.9
90	37.7	132.1
100	26.5	131.0
110	18.0	128.8
120	15.6	124.5
130	21.3	122.0
140	18.9	117.6
150	14.9	112.3
160	14.6	111.4
170	14.9	114.3
180	17.6	114.8
190	18.8	111.2
200	16.8	113.5
220	15.1	108.7
240	13.2	101.6
260	7.0	97.8
280	9.1	97.6
300	8.5	100.3
320	4.4	100.5
340	10.2	93.5
360	5.3	86.6
380	2.0	85.2
400	2.2	84.8
420	3.9	78.3
470	-7.8	68.5
520	-1.1	53.4
570	-0.6	50.2
620	-2.3	39.9
670	-2.9	35.6
720	0.9	22.1
770	-8.4	12.5

RES-STACS12-83 PEGASUS 077 STN 5

R/V RESEARCHER JDAY 340 TIME 0109Z

LATITUDE 27.00 N LONGITUDE 79.50 W

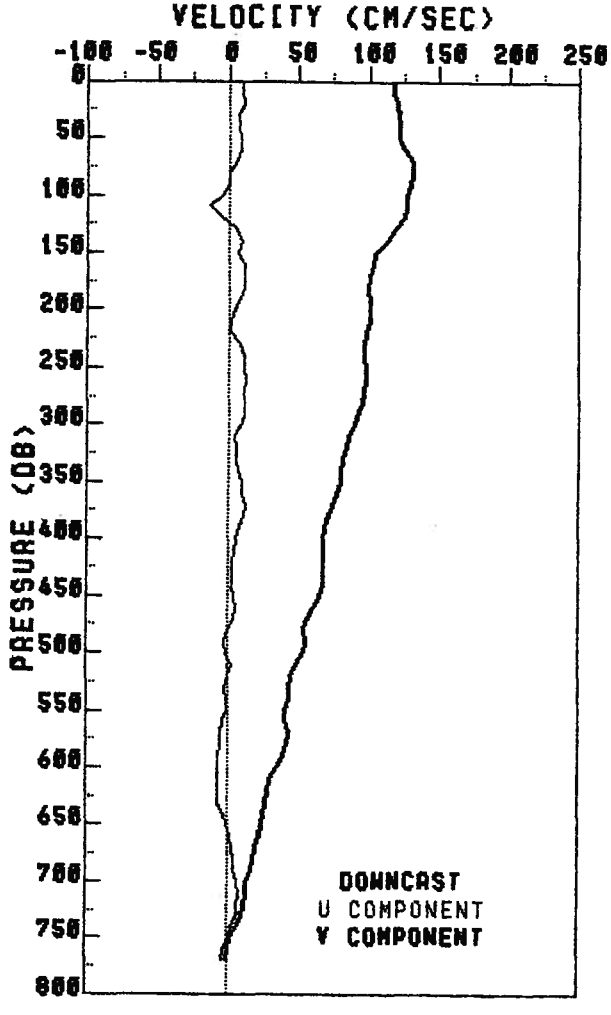


PRES	U	V
0	8.7	137.0
10	8.7	137.0
20	8.7	137.0
30	7.8	136.8
40	8.5	135.2
50	10.8	136.4
60	9.5	138.6
70	11.3	137.6
80	17.4	138.8
90	18.6	138.2
100	18.7	135.4
110	14.6	125.5
120	7.4	122.4
130	7.3	122.3
140	16.7	119.0
150	18.3	115.2
160	17.5	113.7
170	14.2	110.5
180	15.0	108.3
190	11.9	106.9
200	9.7	109.0
220	7.5	106.3
240	4.5	101.3
260	14.7	97.3
280	14.6	98.4
300	14.1	100.3
320	19.3	96.2
340	16.0	92.6
360	20.4	91.1
380	15.8	85.3
400	13.3	78.7
420	6.2	77.0
470	-1.9	64.6
520	-2.7	57.4
570	-5.0	50.4
620	-8.3	37.6
670	-3.1	33.6
720	-2.5	28.1
770	-2.8	9.4

RES-STACS12-83 PEGASUS 078 STN 5

R/V RESEARCHER JDAY 340 TIME 1242Z

LATITUDE 27.00 N LONGITUDE 79.50 W

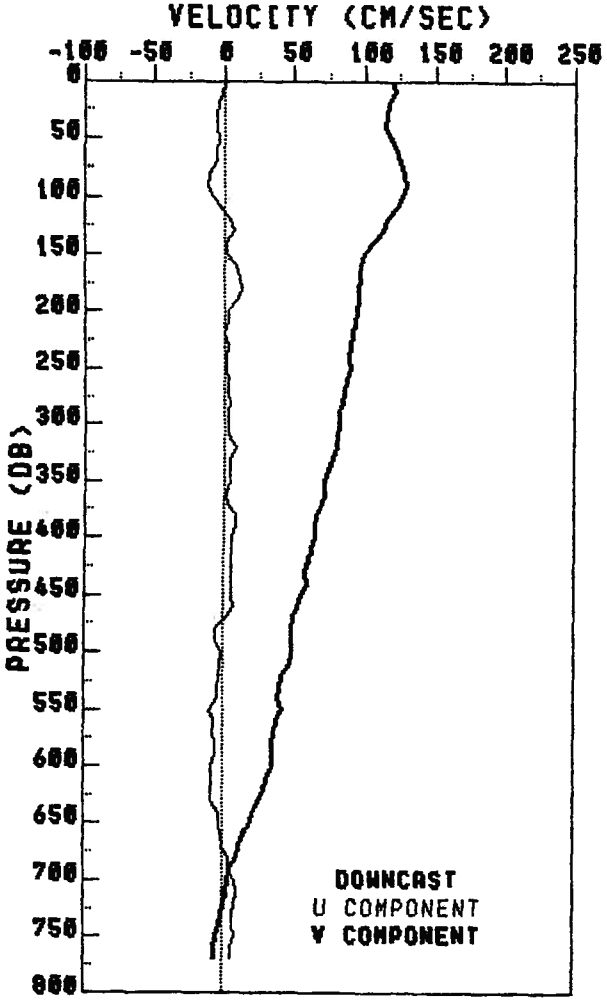


PRES	U	V
0	9.9	117.5
10	9.9	117.5
20	11.2	120.7
30	7.9	121.7
40	7.6	122.3
50	8.3	122.1
60	8.9	125.9
70	6.4	132.3
80	0.0	131.4
90	0.7	130.0
100	-4.5	127.7
110	-13.0	127.7
120	-4.7	125.7
130	5.8	119.5
140	9.8	113.5
150	7.1	105.7
160	10.8	104.1
170	10.9	101.4
180	11.0	100.9
190	8.9	101.8
200	5.1	102.3
220	1.7	98.8
240	11.0	98.0
260	12.3	99.0
280	11.4	96.1
300	10.3	91.2
320	5.9	85.9
340	8.0	81.9
360	10.7	78.8
380	11.0	73.2
400	5.7	69.4
420	3.1	69.3
470	4.2	58.3
520	0.9	46.0
570	-5.0	43.6
620	-6.0	29.4
670	2.6	20.6
720	7.8	12.3
770	-3.6	0.9

RES-STACS12-83 PEGASUS 079 STN 5

R/V RESEARCHER JDAY 340 TIME 1458Z

LATITUDE 27.00 N LONGITUDE 79.50 W

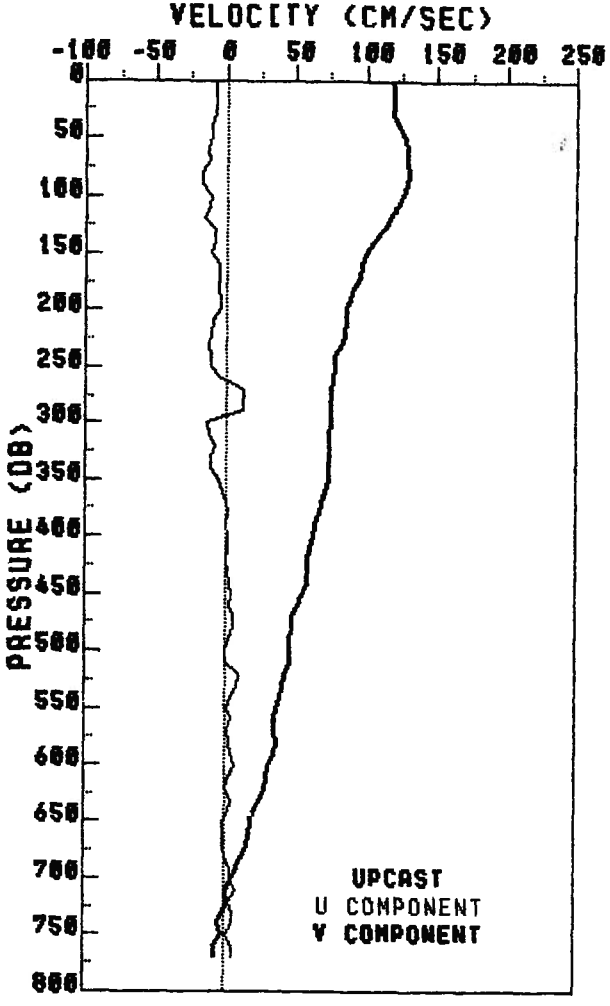


PRES	U	V
0	-0.1	120.1
10	-1.3	121.8
20	-4.3	117.4
30	-5.0	116.5
40	-5.2	114.8
50	-3.9	118.8
60	-5.5	123.1
70	-5.1	126.5
80	-10.1	128.9
90	-12.1	130.5
100	-7.4	127.6
110	-3.0	122.7
120	3.9	116.2
130	6.6	113.2
140	2.2	106.9
150	1.7	99.4
160	8.9	97.8
170	11.3	97.8
180	12.4	96.3
190	8.6	96.2
200	2.5	94.4
220	0.2	92.5
240	1.2	89.3
260	2.6	88.3
280	4.2	84.8
300	3.5	81.8
320	9.1	80.7
340	4.2	75.0
360	2.1	73.0
380	8.1	67.1
400	5.7	65.6
420	5.6	61.4
470	2.8	51.0
520	-3.0	42.3
570	-7.0	37.1
620	-8.6	29.8
670	0.6	12.4
720	8.8	1.4
770	5.7	-4.8

RES-STACS12-83 PEGASUS 081 STN 5

R/V RESEARCHER JDAY 340 TIME 1959Z

LATITUDE 26.97 N LONGITUDE 79.38 W

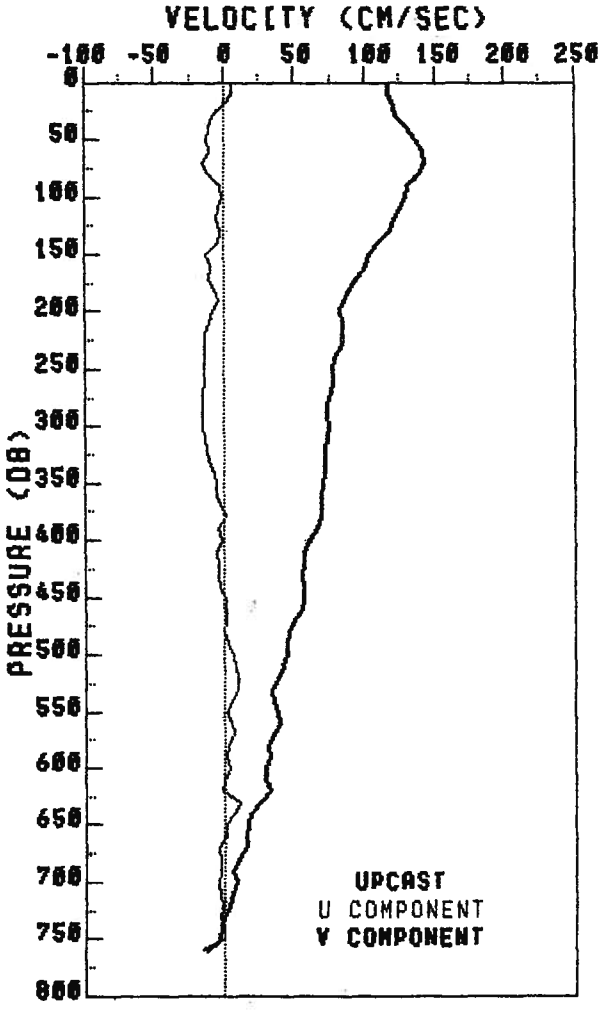


PRES	U	V
0	-7.4	119.2
10	-7.4	119.2
20	-7.4	119.2
30	-7.9	119.3
40	-10.1	123.7
50	-10.2	127.7
60	-13.0	128.7
70	-11.9	129.7
80	-17.5	130.8
90	-17.5	129.1
100	-11.0	126.7
110	-11.3	121.8
120	-15.4	116.6
130	-8.3	113.0
140	-7.3	106.3
150	-10.6	100.4
160	-4.3	98.2
170	-4.4	96.6
180	-4.4	92.8
190	-3.5	88.7
200	-3.6	86.9
220	-10.4	84.9
240	-11.0	78.8
260	-3.0	76.6
280	13.3	76.2
300	-12.6	76.1
320	-7.3	75.0
340	-10.4	74.8
360	-2.8	72.1
380	2.4	66.9
400	2.4	63.2
420	0.1	59.0
470	5.5	49.0
520	9.5	43.2
570	2.0	35.7
620	0.7	29.0
670	-1.4	16.9
720	2.7	3.9
770	6.1	-6.3

RES-STACS12-83 PEGASUS 082 STN 5

R/V RESEARCHER JDAY 340 TIME 2234Z

LATITUDE 26.99 N LONGITUDE 79.50 W

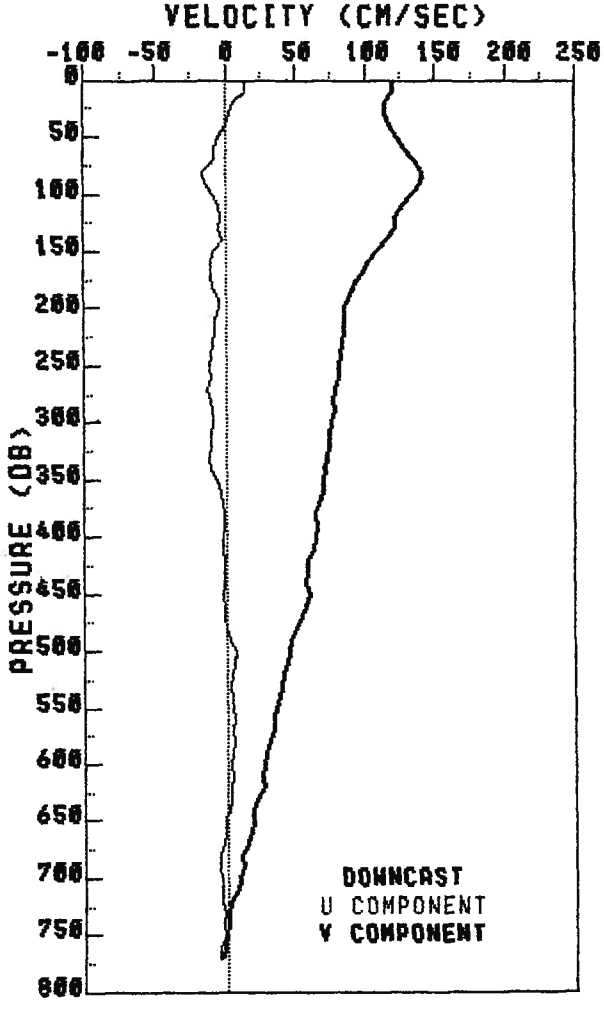


PRES	U	V
0	5.2	118.2
10	5.2	118.2
20	-0.2	121.5
30	-8.1	123.8
40	-11.2	131.7
50	-12.4	136.4
60	-10.2	141.9
70	-14.9	143.9
80	-10.4	139.3
90	-2.4	132.2
100	-0.8	130.1
110	-3.2	125.5
120	-5.1	122.1
130	-2.5	119.7
140	-4.2	111.4
150	-12.4	104.7
160	-9.8	101.2
170	-11.0	95.3
180	-6.9	90.2
190	-3.7	86.1
200	-8.3	83.6
220	-13.8	85.1
240	-13.8	80.1
260	-13.0	78.7
280	-14.9	74.2
300	-15.4	75.4
320	-11.5	73.3
340	-6.3	72.8
360	-5.8	70.3
380	1.4	69.7
400	-1.4	61.2
420	-3.9	57.3
470	1.6	51.2
520	9.4	38.3
570	7.6	36.0
620	-1.7	33.2
670	-3.3	16.9
720	-1.7	4.1

RES-STACS12-83 PEGASUS 083 STN 5

R/V RESEARCHER JDAY 341 TIME 0018Z

LATITUDE 26.99 N LONGITUDE 79.50 W

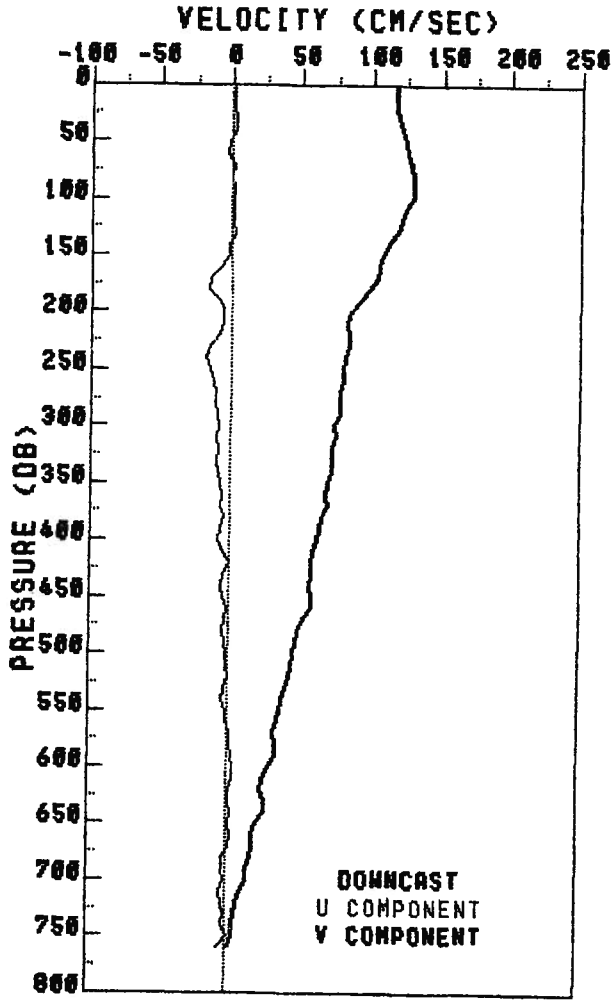


PRES	U	V
0	14.0	120.9
10	14.0	120.9
20	6.6	115.5
30	3.3	114.8
40	-0.2	117.6
50	-5.3	123.7
60	-7.7	129.0
70	-7.3	135.7
80	-15.8	141.0
90	-14.4	139.5
100	-9.5	133.3
110	-4.7	127.1
120	-3.6	122.5
130	-5.4	122.0
140	-1.8	115.5
150	-9.1	107.9
160	-10.1	102.1
170	-11.0	98.1
180	-9.2	92.1
190	-5.1	88.0
200	-4.4	85.1
220	-8.1	84.7
240	-10.5	82.8
260	-10.3	81.5
280	-10.3	76.7
300	-8.8	75.8
320	-10.6	75.0
340	-10.3	71.7
360	-3.6	70.3
380	-1.3	65.2
400	-2.0	64.6
420	-1.2	59.6
470	-0.2	55.0
520	4.8	42.2
570	5.3	34.5
620	2.7	27.7
670	-2.1	16.2
720	-3.0	3.7
770	-5.3	-1.6

RES-STACS12-83 PEGASUS 084 STN 5

R/V RESEARCHER JDAY 341 TIME 0337Z

LATITUDE 27.00 N LONGITUDE 79.50 W

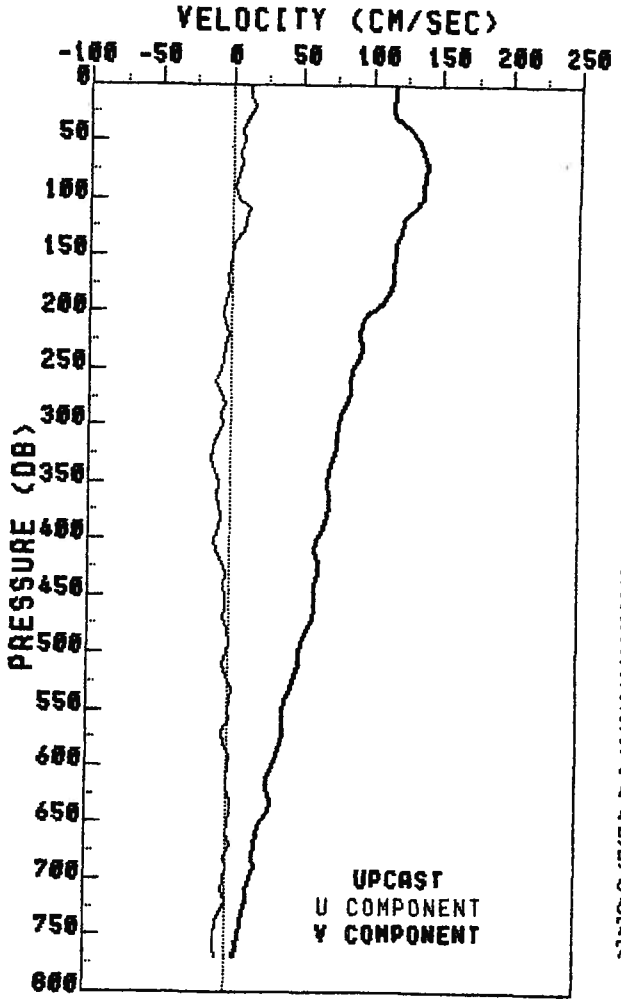


PRES	U	V
0	1.4	117.4
10	1.4	117.4
20	2.1	117.6
30	2.7	119.6
40	2.7	122.2
50	-1.5	125.2
60	-2.4	126.0
70	1.0	129.4
80	-0.3	130.3
90	1.7	130.1
100	1.2	129.8
110	1.9	124.0
120	1.7	122.3
130	2.4	119.5
140	-1.0	113.0
150	-0.5	107.9
160	-6.9	105.7
170	-15.5	104.0
180	-16.5	98.4
190	-8.3	92.2
200	-4.7	85.7
220	-8.2	85.6
240	-17.6	82.4
260	-12.2	80.5
280	-10.4	78.4
300	-8.1	74.3
320	-8.5	73.3
340	-7.6	72.0
360	-5.0	68.6
380	-4.2	65.5
400	-7.7	63.5
420	-0.2	58.9
470	-2.7	54.0
520	-0.2	43.9
570	1.8	33.1
620	1.0	25.0
670	2.1	18.9
720	-2.5	8.6

RES-STACS12-83 PEGASUS 085 STN 5

R/V RESEARCHER JDAY 341 TIME 0610Z

LATITUDE 27.00 N LONGITUDE 79.51 W

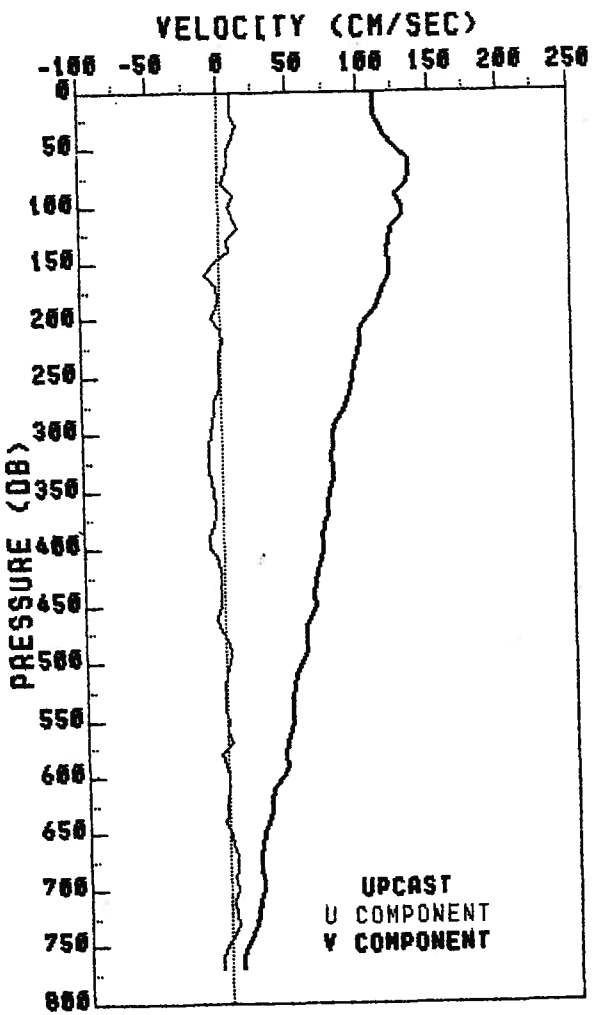


PRES	U	V
0	12.4	117.2
10	12.4	117.2
20	14.9	116.1
30	11.6	116.2
40	7.5	127.8
50	8.4	134.4
60	6.2	137.9
70	7.8	139.4
80	4.6	138.7
90	1.9	137.3
100	4.2	137.2
110	12.8	131.9
120	9.8	123.9
130	9.1	122.6
140	2.6	117.8
150	-0.1	117.6
160	-1.1	116.7
170	-2.3	116.8
180	-1.4	115.8
190	-2.9	109.9
200	-5.5	101.0
220	-1.0	93.6
240	-4.9	93.2
260	-10.0	87.3
280	-4.1	83.6
300	-5.4	78.4
320	-12.1	76.5
340	-10.8	71.2
360	-9.4	71.4
380	-6.1	70.1
400	-9.8	63.8
420	-5.1	64.7
470	-3.9	60.8
520	-1.3	49.0
570	-3.3	39.8
620	0.9	28.9
670	2.7	21.1
720	0.8	16.1
770	-6.7	8.0

RES-STACS12-83 PEGASUS 086 STN 5

R/V RESEARCHER JDAY 341 TIME 0830Z

LATITUDE 26.99 N LONGITUDE 79.51 W

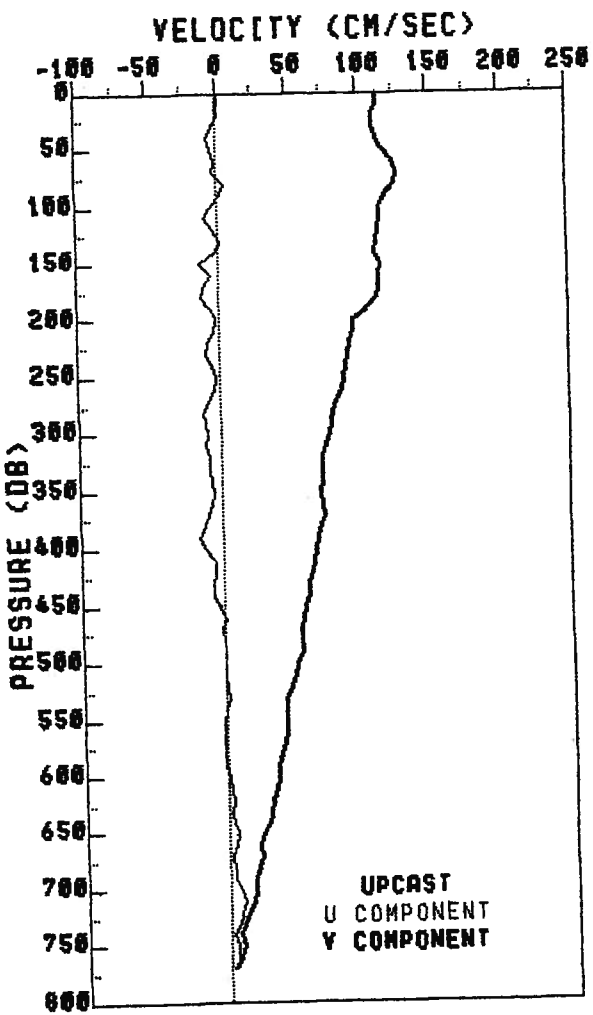


PRES	U	V
0	10.4	112.8
10	10.4	112.8
20	10.2	112.9
30	14.1	116.0
40	11.5	120.1
50	6.5	127.0
60	7.1	136.8
70	5.9	137.5
80	2.6	135.1
90	11.5	126.9
100	7.0	131.4
110	10.1	132.1
120	14.0	123.7
130	5.9	121.3
140	7.7	120.8
150	-3.4	122.3
160	-10.6	122.4
170	-2.1	117.6
180	-1.3	115.1
190	-1.9	112.4
200	-6.5	105.3
220	2.2	99.9
240	-0.9	95.7
260	-1.7	92.6
280	-4.8	87.2
300	-8.2	79.2
320	-8.8	78.5
340	-8.3	80.1
360	-5.3	76.0
380	-6.8	72.7
400	-8.9	71.0
420	-2.1	67.7
470	-4.3	58.9
520	-1.3	49.2
570	3.8	43.4
620	-1.2	31.5
670	6.0	23.4
720	3.7	21.2
770	-5.6	9.3

RES-STACS12-83 PEGASUS 087 STN 5

R/V RESEARCHER JDAY 341 TIME 1117Z

LATITUDE 26.97 N LONGITUDE 79.49 W

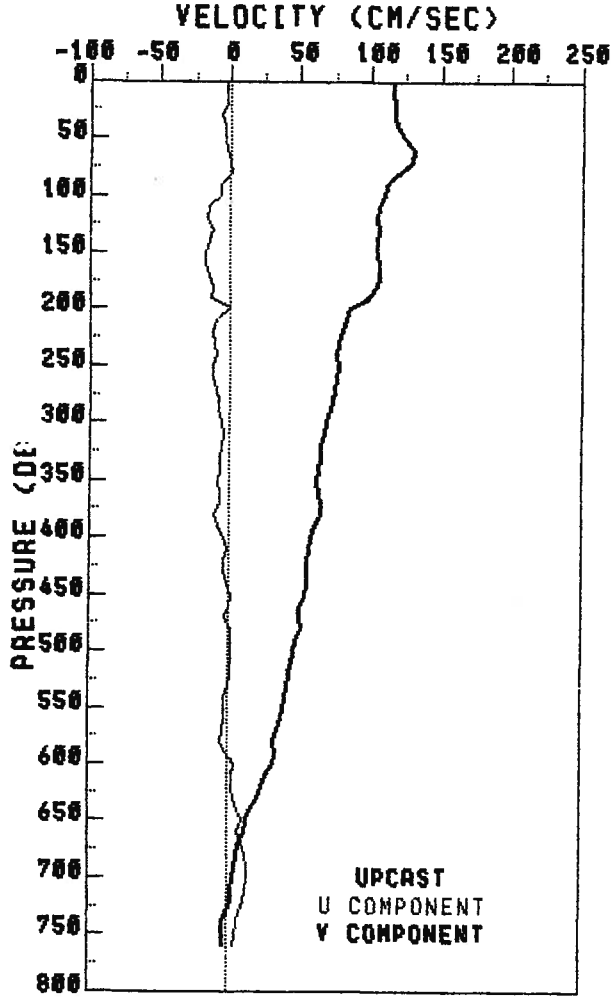


PRES	U	V
0	2.5	115.4
10	2.5	115.4
20	2.4	112.8
30	-2.8	113.3
40	-6.4	115.4
50	-3.1	119.6
60	-1.2	126.5
70	-2.1	129.1
80	6.0	127.1
90	2.3	121.1
100	-4.7	117.2
110	-9.7	116.3
120	-4.2	114.9
130	2.6	114.4
140	-1.8	112.4
150	-12.8	117.3
160	-4.3	115.3
170	-10.2	116.0
180	-12.4	113.9
190	-4.4	105.6
200	-1.7	96.8
220	-7.7	93.3
240	-4.9	91.3
260	-3.6	87.8
280	-11.4	80.9
300	-9.3	79.0
320	-7.9	72.7
340	-6.9	72.3
360	-6.9	73.7
380	-11.6	72.2
400	-11.3	67.1
420	-4.6	64.5
470	-0.3	57.1
520	2.4	48.8
570	-0.3	42.7
620	4.4	33.3
670	3.7	24.9
720	9.4	14.8
770	4.1	4.9

RES-STACS12-83 PEGASUS 088 STN 5

R/V RESEARCHER JDAY 341 TIME 1326Z

LATITUDE 26.99 N LONGITUDE 79.51 W

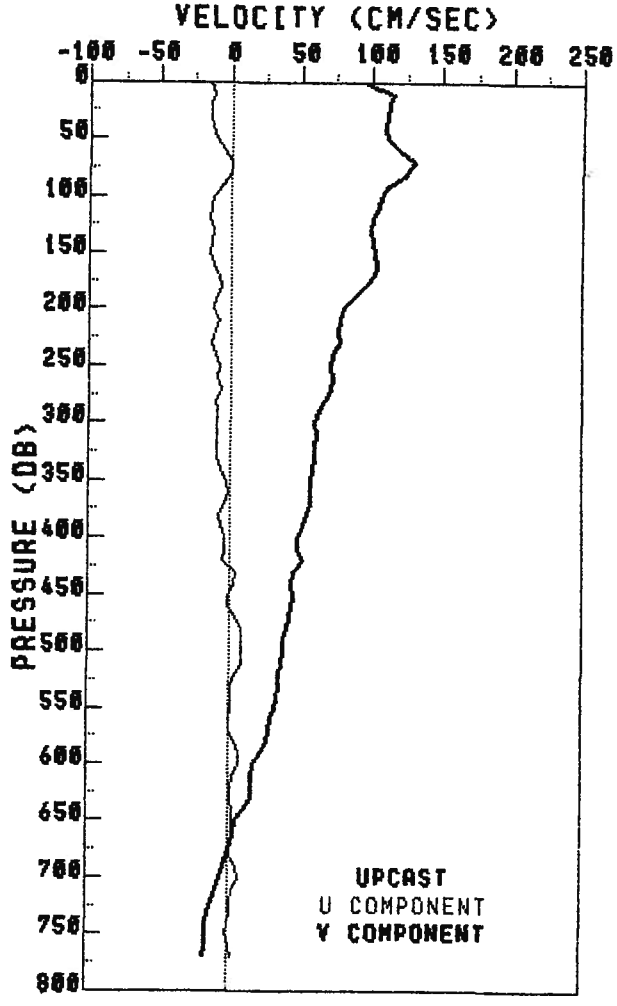


PRES	U	V
0	-3.0	117.1
10	-3.0	117.1
20	-2.3	117.4
30	-7.1	117.7
40	-4.2	119.2
50	-3.6	124.2
60	-2.9	131.9
70	-0.1	130.8
80	2.1	120.2
90	-7.3	112.2
100	-6.8	110.4
110	-14.6	107.2
120	-16.7	105.5
130	-12.4	106.6
140	-14.4	105.3
150	-16.9	106.1
160	-17.5	107.1
170	-14.7	107.0
180	-11.4	105.9
190	-13.3	99.0
200	0.6	85.9
220	-11.6	80.7
240	-10.0	77.3
260	-12.7	76.5
280	-7.9	74.1
300	-5.6	70.4
320	-4.6	66.5
340	-7.2	64.2
360	-6.8	64.1
380	-10.2	65.2
400	-3.7	59.1
420	-3.4	55.6
470	-1.9	50.8
520	2.0	44.0
570	-4.4	35.3
620	2.5	24.7
670	10.2	9.1
720	11.4	3.2

RES-STACS12-83 PEGASUS 089 STN 5

R/V RESEARCHER JDAY 341 TIME 0160Z

LATITUDE 27.00 N LONGITUDE 79.50 W

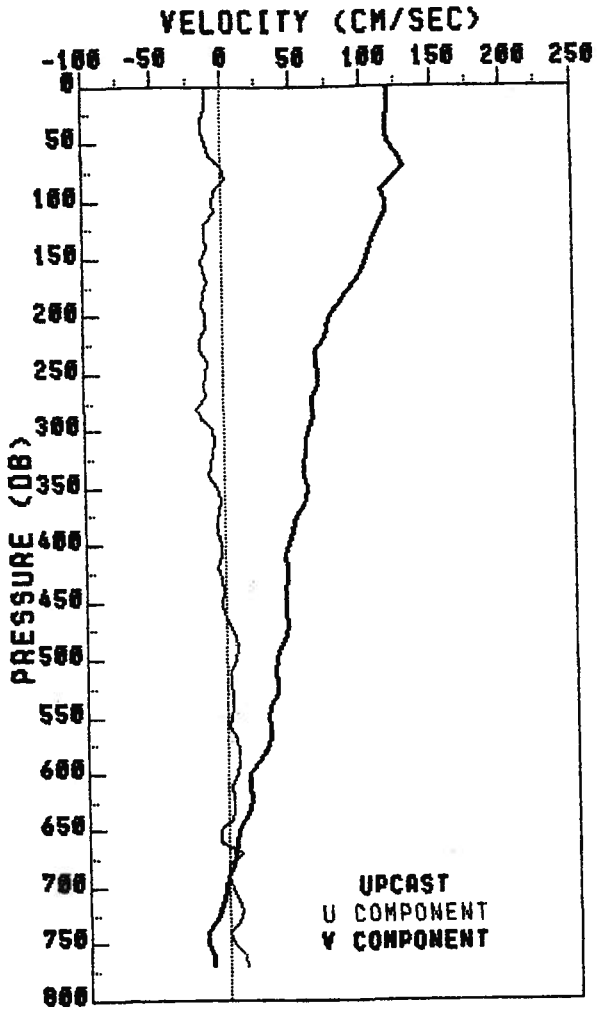


PRES	U	V
0	-14.6	96.4
10	-11.9	115.3
20	-14.4	112.9
30	-14.9	111.4
40	-12.8	110.1
50	-10.8	110.6
60	-5.3	119.1
70	0.1	129.8
80	0.1	124.8
90	-5.5	113.2
100	-12.4	107.2
110	-13.3	105.2
120	-14.4	101.6
130	-12.4	100.5
140	-12.8	102.3
150	-14.2	102.9
160	-11.2	103.8
170	-8.0	102.5
180	-6.5	96.3
190	-10.3	87.9
200	-11.8	81.3
220	-10.1	76.8
240	-10.9	73.6
260	-9.3	72.7
280	-9.9	68.2
300	-8.6	61.3
320	-9.1	60.7
340	-6.5	59.5
360	-1.4	58.2
380	-8.3	55.8
400	-4.2	48.8
420	-5.1	52.3
470	5.0	43.5
520	4.1	35.6
570	0.9	28.6
620	2.3	16.6
670	2.0	2.7
720	1.7	-10.8
770	3.5	-15.9

RES-STACS12-83 PEGASUS 090 STN 5

R/V RESEARCHER JDAY 341 TIME 1848Z

LATITUDE 27.00 N LONGITUDE 79.51 W

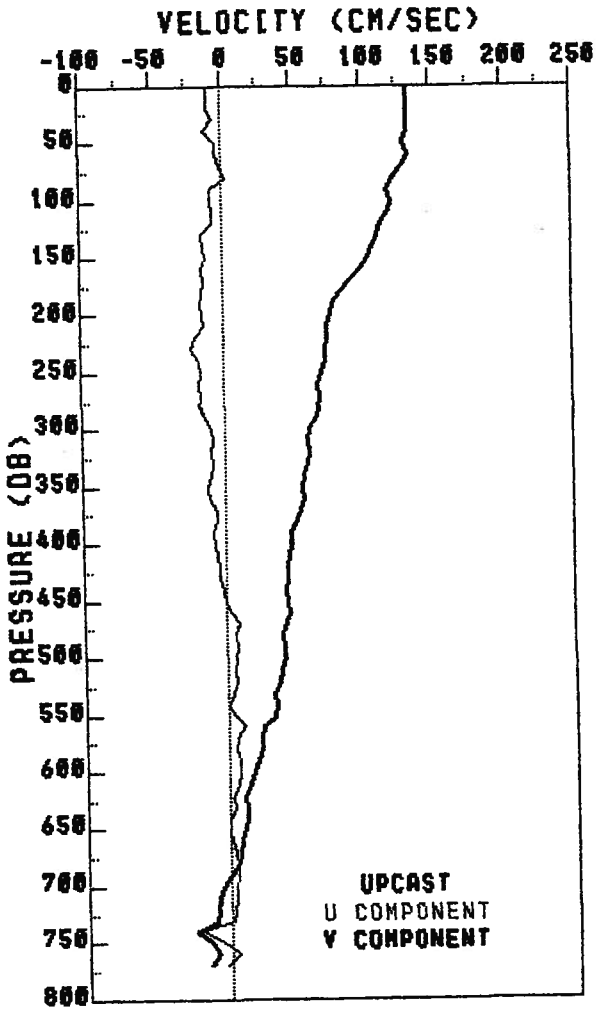


PRES	U	V
0	-10.9	120.5
10	-10.9	120.5
20	-10.7	120.5
30	-12.8	119.3
40	-13.6	119.1
50	-10.3	120.9
60	-8.4	127.4
70	-0.4	131.6
80	2.9	122.8
90	-5.7	114.7
100	-6.6	117.8
110	-5.2	118.1
120	-11.4	114.1
130	-11.5	109.4
140	-11.3	107.0
150	-15.4	103.6
160	-13.3	101.0
170	-10.4	95.7
180	-12.9	89.1
190	-14.4	83.2
200	-12.6	78.8
220	-16.0	73.9
240	-10.3	66.9
260	-12.8	69.0
280	-18.4	64.0
300	-8.2	61.1
320	-8.5	58.7
340	-10.1	58.3
360	-2.4	59.0
380	-4.9	50.3
400	-2.7	47.0
420	-5.5	45.5
470	3.4	44.7
520	3.4	37.0
570	7.3	32.1
620	3.9	18.1
670	9.4	5.1
720	10.4	-5.6
770	12.2	-10.9

RES-STACS12-83 PEGASUS 091 STN 5

R/V RESEARCHER JDAY 341 TIME 0212Z

LATITUDE 27.00 N LONGITUDE 79.51 W

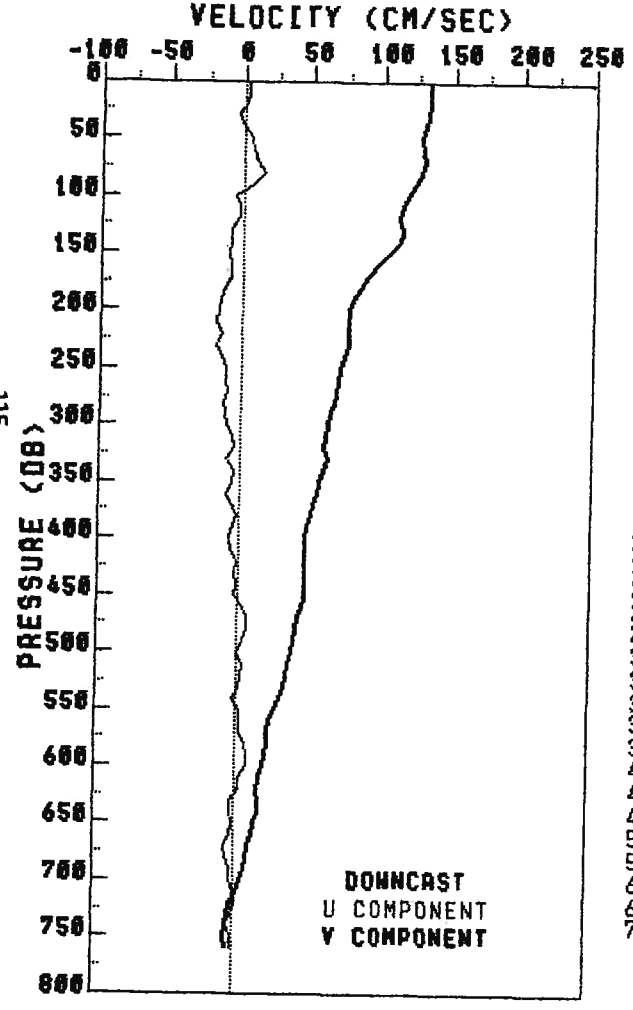


PRES	U	V
0	-8.6	134.3
10	-8.6	134.3
20	-8.9	134.8
30	-4.9	134.0
40	-11.2	134.2
50	-4.1	131.9
60	-3.3	134.1
70	-0.9	130.4
80	2.6	123.2
90	-8.2	120.0
100	-7.3	121.8
110	-6.4	121.0
120	-6.4	114.9
130	-14.4	112.4
140	-13.4	109.2
150	-11.2	105.8
160	-14.9	100.0
170	-12.8	92.0
180	-14.2	84.8
190	-16.2	80.3
200	-15.1	78.2
220	-20.6	75.6
240	-17.0	73.8
260	-16.7	68.7
280	-17.0	68.4
300	-9.2	61.7
320	-8.5	62.2
340	-8.7	57.7
360	-10.5	57.6
380	-5.0	52.3
400	-6.2	48.2
420	-3.3	46.1
470	9.6	44.7
520	6.9	38.5
570	7.4	24.9
620	3.6	13.2
670	4.4	8.6
720	3.9	-7.8
770	-2.5	-13.2

RES-STACS12-83 PEGASUS 092 STN 5

R/V RESEARCHER JDAY 341 TIME 2331Z

LATITUDE 26.98 N LONGITUDE 79.49 W

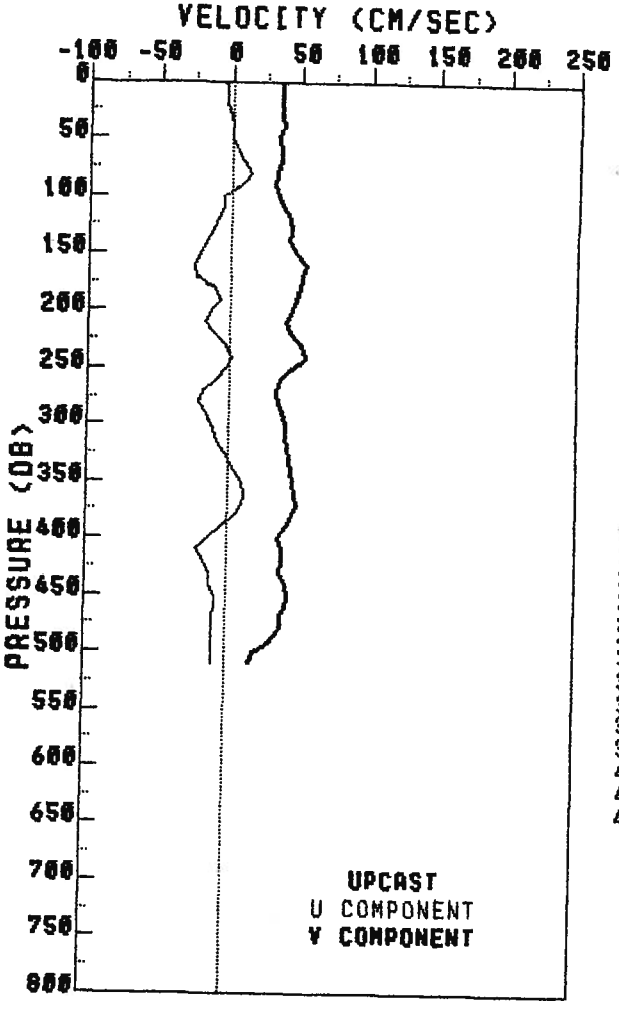


PRES	U	V
0	3.2	133.2
10	3.2	133.2
20	1.2	132.7
30	-4.3	130.9
40	0.2	130.4
50	5.6	128.0
60	7.1	128.2
70	9.3	129.7
80	14.8	127.4
90	6.9	122.8
100	-5.5	118.4
110	-2.1	114.6
120	-2.1	112.1
130	-8.1	114.5
140	-8.6	114.2
150	-8.8	105.7
160	-7.8	97.4
170	-7.8	90.9
180	-11.7	85.3
190	-15.1	78.9
200	-15.6	76.5
220	-12.9	76.3
240	-14.1	73.9
260	-10.6	69.9
280	-12.6	66.6
300	-9.4	63.4
320	-4.4	61.1
340	-3.9	60.7
360	-8.8	55.7
380	-1.6	51.8
400	-6.5	47.8
420	-0.6	47.9
470	7.1	44.5
520	2.5	35.5
570	3.5	23.3
620	2.4	16.3
670	-7.3	11.6
720	0.9	-0.5

RES-STACS12-83 PEGASUS 093 STN 8

R/V RESEARCHER JDAY 342 TIME 0221Z

LATITUDE 26.99 N LONGITUDE 79.19 W

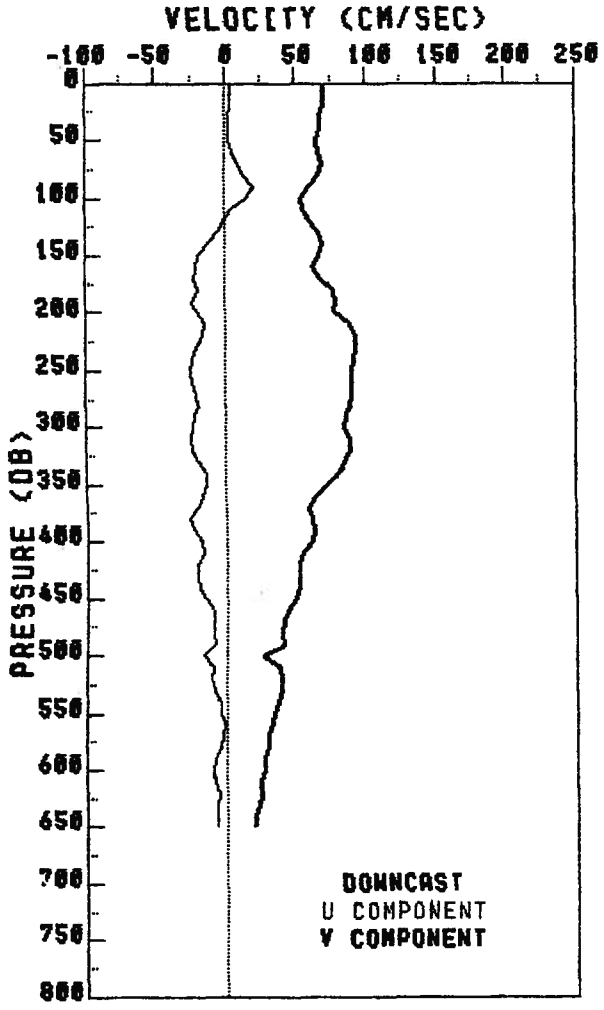


PRES	U	V
0	-3.4	35.8
10	-3.4	35.8
20	-3.4	35.8
30	-0.6	36.7
40	-0.1	37.6
50	0.2	35.2
60	4.8	36.7
70	9.2	35.8
80	14.1	34.0
90	6.8	31.9
100	-4.8	34.0
110	-5.1	37.1
120	-8.7	43.1
130	-12.4	43.8
140	-16.9	43.6
150	-21.1	47.7
160	-25.6	54.8
170	-24.1	52.4
180	-10.8	50.9
190	-6.1	48.0
200	-12.6	45.2
220	-10.6	43.8
240	2.4	55.3
260	-9.6	37.6
280	-20.7	36.0
300	-11.3	41.2
320	-4.5	42.8
340	4.5	45.7
360	11.8	48.8
380	5.6	47.5
400	-12.9	38.0
420	-15.6	40.5
470	-9.0	40.6

RES-STACS12-83 PEGASUS 094 STN 7

R/V RESEARCHER JDAY 342 TIME 0348Z

LATITUDE 26.98 N LONGITUDE 79.28 W

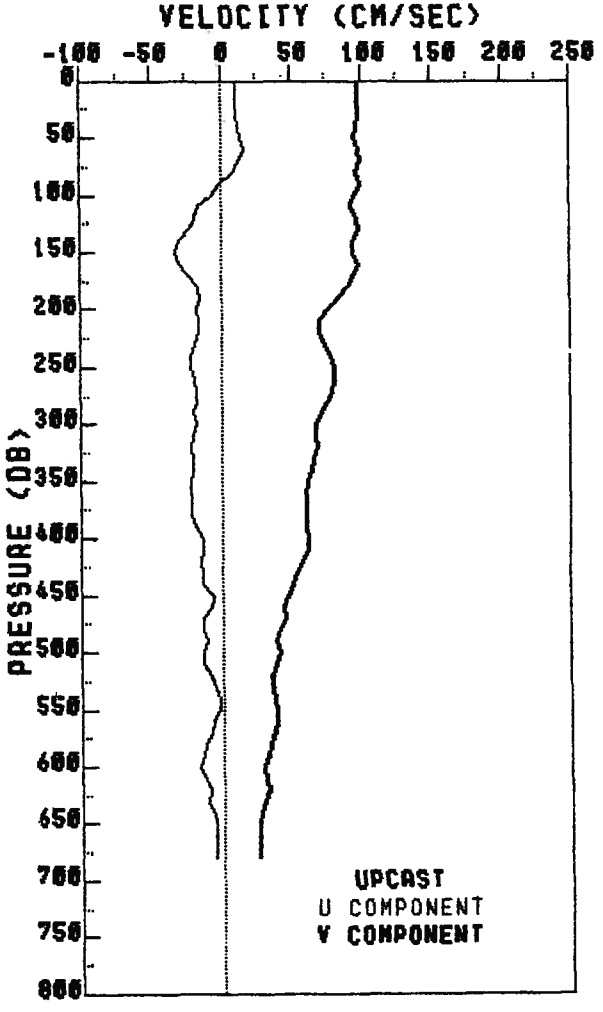


PRES	U	V
0	4.4	71.6
10	4.4	71.6
20	4.4	71.3
30	3.4	69.0
40	2.8	68.1
50	2.5	65.7
60	6.2	66.8
70	9.6	69.5
80	14.5	67.1
90	21.4	60.9
100	14.7	54.4
110	5.3	56.8
120	-0.9	60.3
130	-4.9	67.0
140	-11.5	69.7
150	-18.4	66.7
160	-20.7	63.6
170	-21.8	68.8
180	-18.9	78.6
190	-23.3	79.8
200	-20.8	78.3
220	-15.7	92.6
240	-22.3	92.2
260	-23.3	90.8
280	-18.9	88.8
300	-23.3	85.1
320	-23.1	89.3
340	-14.1	80.6
360	-16.1	64.2
380	-25.2	61.1
400	-17.0	61.2
420	-20.0	52.3
470	-9.8	40.7
520	-10.3	39.4
570	-1.9	29.8
620	-4.9	25.1

RES-STACS12-83 PEGASUS 095 STN 6

R/V RESEARCHER JDAY 342 TIME 0532Z

LATITUDE 26.98 N LONGITUDE 79.36 W

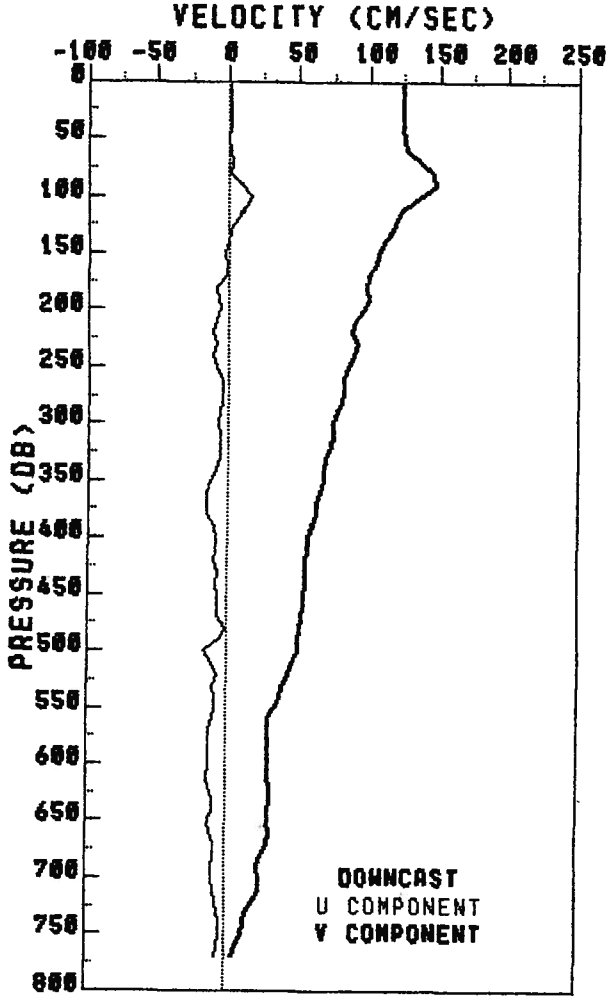


PRES	U	V
0	12.0	98.5
10	12.0	98.5
20	12.0	98.5
30	12.0	98.5
40	12.3	97.0
50	13.6	96.8
60	17.4	98.4
70	12.8	100.4
80	8.3	97.6
90	-1.0	100.4
100	-6.9	95.6
110	-15.5	92.8
120	-19.1	97.4
130	-22.8	98.7
140	-29.9	95.4
150	-32.8	94.3
160	-29.8	98.4
170	-23.3	94.8
180	-15.6	90.3
190	-14.1	83.3
200	-17.3	76.9
220	-16.2	70.2
240	-22.0	78.2
260	-18.1	81.1
280	-17.3	76.2
300	-17.1	67.9
320	-21.8	68.3
340	-20.6	65.0
360	-20.7	61.1
380	-21.1	60.6
400	-13.1	61.9
420	-14.1	57.3
470	-12.9	45.4
520	-7.3	35.5
570	-7.2	37.6
620	-9.7	33.5
670	-4.8	26.9

RES-STACS12-83 PEGASUS 096 STN 5

R/V RESEARCHER JDAY 342 TIME 0757Z

LATITUDE 26.99 N LONGITUDE 79.49 W

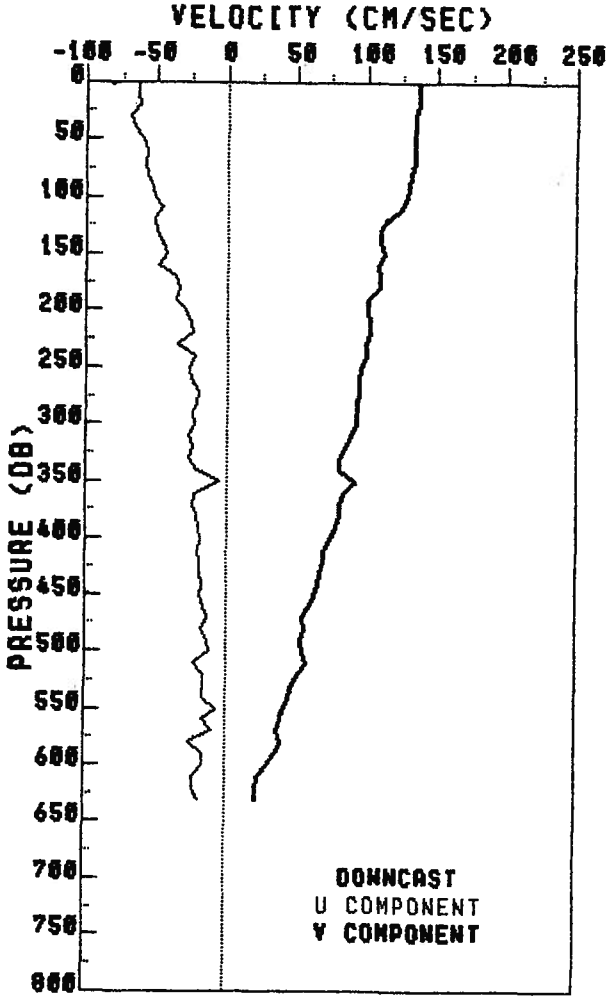


PRES	U	V
0	2.1	125.0
10	2.1	125.0
20	2.1	125.0
30	2.1	125.0
40	1.8	125.0
50	0.9	125.9
60	1.8	128.0
70	2.6	137.0
80	2.1	147.1
90	9.3	148.0
100	16.6	136.0
110	13.1	126.2
120	6.9	121.0
130	1.7	117.5
140	0.2	111.0
150	-3.0	106.7
160	-0.8	105.5
170	-1.7	100.3
180	-7.7	98.9
190	-6.5	99.5
200	-4.8	96.8
220	-10.5	87.7
240	-10.5	89.2
260	-3.8	82.7
280	-3.7	80.9
300	-7.0	75.8
320	-5.3	73.9
340	-8.5	68.2
360	-14.3	65.8
380	-14.6	63.1
400	-7.7	58.2
420	-9.0	56.2
470	-6.6	53.9
520	-6.6	43.3
570	-11.5	30.0
620	-12.6	32.1
670	-8.6	30.8
720	-7.0	20.6
770	-6.3	5.7

RES-STACS12-83 PEGASUS 097 STN 4

R/V RESEARCHER JDAY 342 TIME 1023Z

LATITUDE 26.96 N LONGITUDE 79.61 W

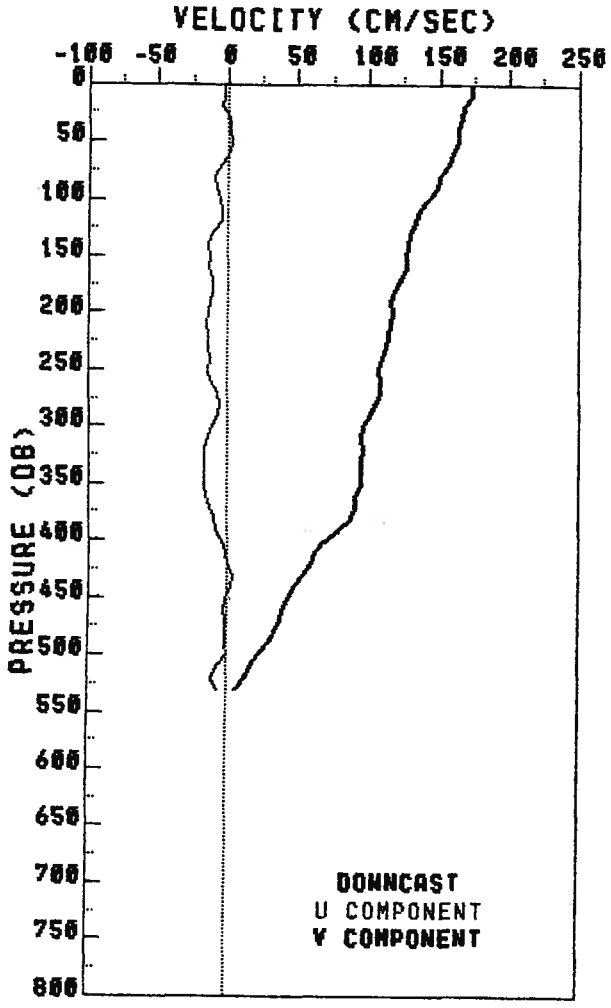


PRES	U	V
0	-63.2	137.4
10	-63.2	137.4
20	-62.2	137.4
30	-69.7	134.5
40	-67.1	134.4
50	-59.3	134.3
60	-56.6	134.8
70	-57.9	134.4
80	-57.5	132.1
90	-53.4	130.6
100	-50.9	129.4
110	-45.5	125.2
120	-52.1	115.5
130	-50.4	109.3
140	-45.7	110.0
150	-43.6	113.0
160	-48.6	108.3
170	-36.7	110.2
180	-33.2	109.4
190	-35.7	101.9
200	-29.3	102.1
220	-24.8	103.6
240	-22.2	100.9
260	-25.2	95.3
280	-21.8	94.0
300	-23.3	94.0
320	-23.9	85.2
340	-21.9	80.6
360	-23.0	83.4
380	-21.5	81.2
400	-18.9	74.5
420	-18.8	70.6
470	-13.5	55.8
520	-16.0	51.3
570	-9.6	38.0
620	-22.2	21.9

RES-STACS12-83 PEGASUS 098 STN 3

R/V RESEARCHER JDAY 342 TIME 0130Z

LATITUDE 26.98 N LONGITUDE 79.66 W

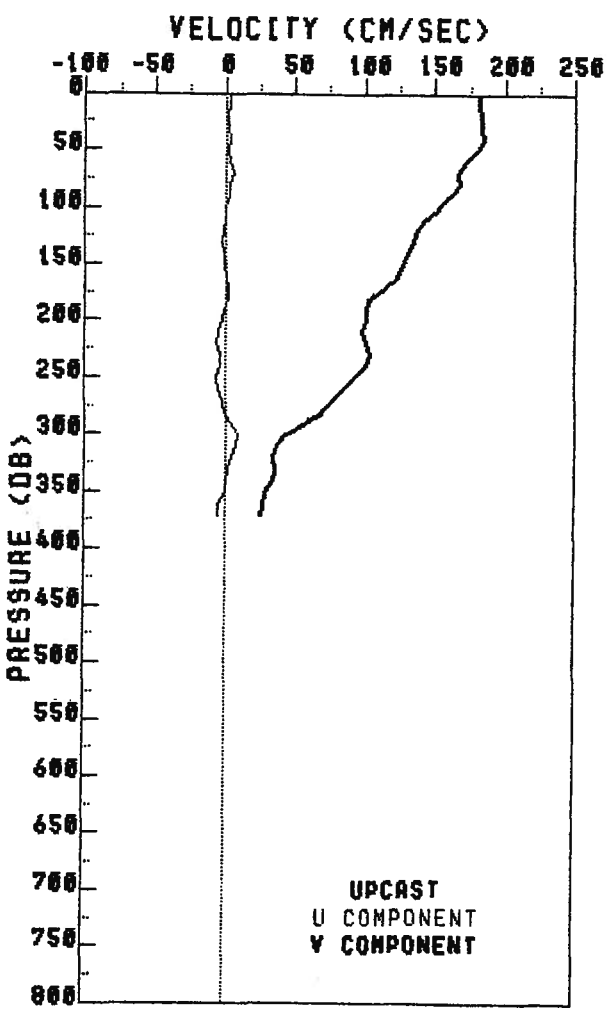


PRES	U	V
0	-2.8	173.7
10	-2.8	173.7
20	-3.6	168.8
30	1.1	167.2
40	1.9	164.5
50	2.5	164.7
60	1.4	160.6
70	-3.2	157.3
80	-9.4	151.0
90	-8.6	149.2
100	-4.9	142.3
110	-3.8	137.2
120	-3.9	133.7
130	-10.0	130.3
140	-13.1	128.4
150	-12.0	127.6
160	-13.8	126.9
170	-11.0	123.9
180	-10.4	119.3
190	-12.2	117.1
200	-14.1	118.1
220	-13.9	115.5
240	-11.9	111.1
260	-12.4	109.8
280	-4.6	105.2
300	-10.4	97.5
320	-15.6	96.6
340	-15.8	96.0
360	-15.3	91.6
380	-8.8	89.5
400	-4.0	69.6
420	0.8	60.8
470	-0.5	38.0
520	-10.2	18.8

RES-STACS12-83 PEGASUS 099 STN 2

R/V RESEARCHER JDAY 342 TIME 0159Z

LATITUDE 26.97 N LONGITUDE 79.78 W

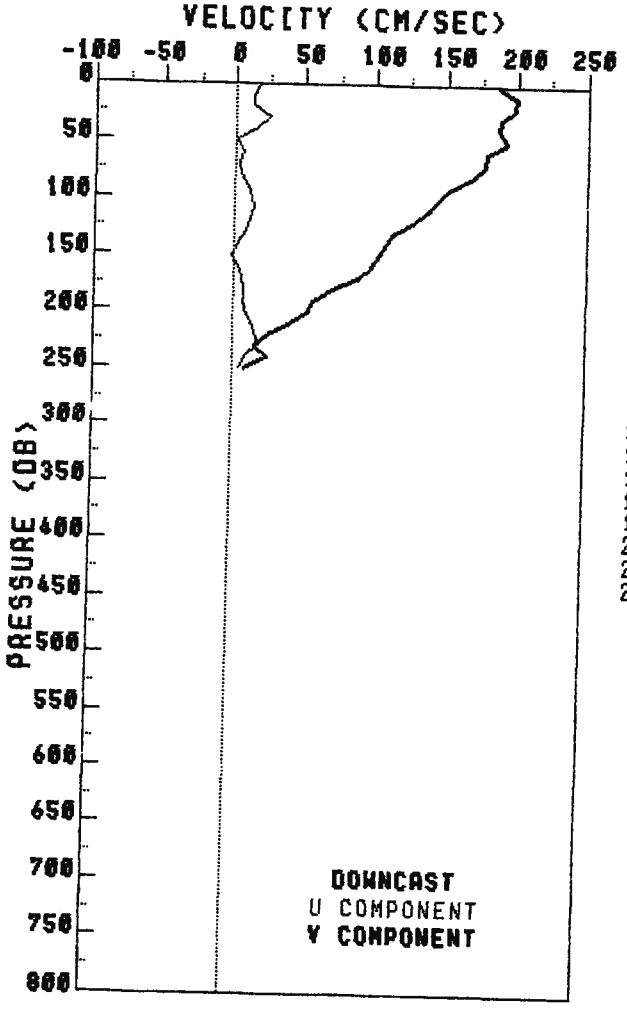


PRES	U	V
0	3.3	182.0
10	3.3	182.0
20	2.5	183.2
30	1.8	183.5
40	3.0	185.1
50	1.6	181.6
60	3.6	173.1
70	5.7	167.4
80	3.5	168.5
90	3.2	161.8
100	0.3	153.3
110	0.9	145.8
120	-0.3	138.2
130	-2.2	135.7
140	-1.3	131.4
150	-0.3	127.5
160	0.4	123.8
170	1.8	113.7
180	1.5	103.4
190	-0.3	101.6
200	-1.9	102.2
220	-5.9	101.5
240	-4.1	101.0
260	-5.3	85.0
280	-1.5	69.4
300	9.2	44.9
320	4.2	35.0
340	0.5	34.8
360	-5.3	27.5

RES-STACS12-83 PEGASUS 100 STN 1

R/V RESEARCHER JDAY 342 TIME 1652Z

LATITUDE 26.98 N LONGITUDE 79.86 W

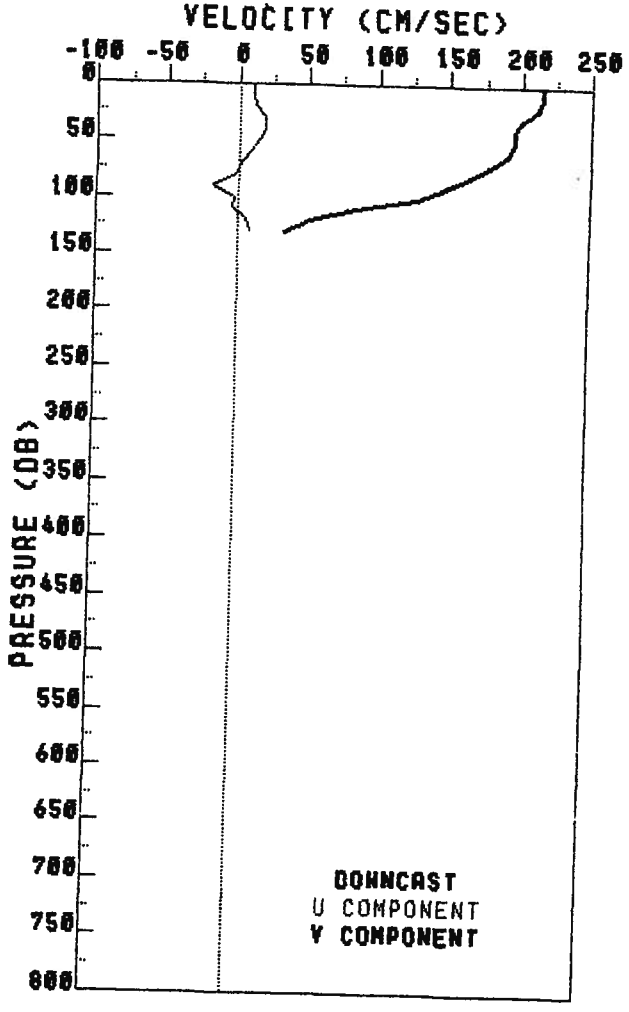


PRES	U	V
0	16.8	185.7
10	12.9	199.8
20	12.9	198.4
30	24.9	189.4
40	15.8	187.7
50	2.0	193.6
60	5.8	178.9
70	2.8	178.5
80	3.7	168.8
90	9.6	154.8
100	12.8	147.1
110	13.3	140.1
120	10.9	129.3
130	8.5	114.9
140	2.3	110.2
150	-0.7	103.7
160	3.3	98.4
170	5.6	88.8
180	6.4	70.1
190	7.3	57.2
200	8.1	55.3
220	15.9	25.5
240	8.4	25.5

RES-STACS12-83 PEGASUS 101 STN 0

R/V RESEARCHER JDAY 342 TIME 1746Z

LATITUDE 26.99 N LONGITUDE 79.93 W

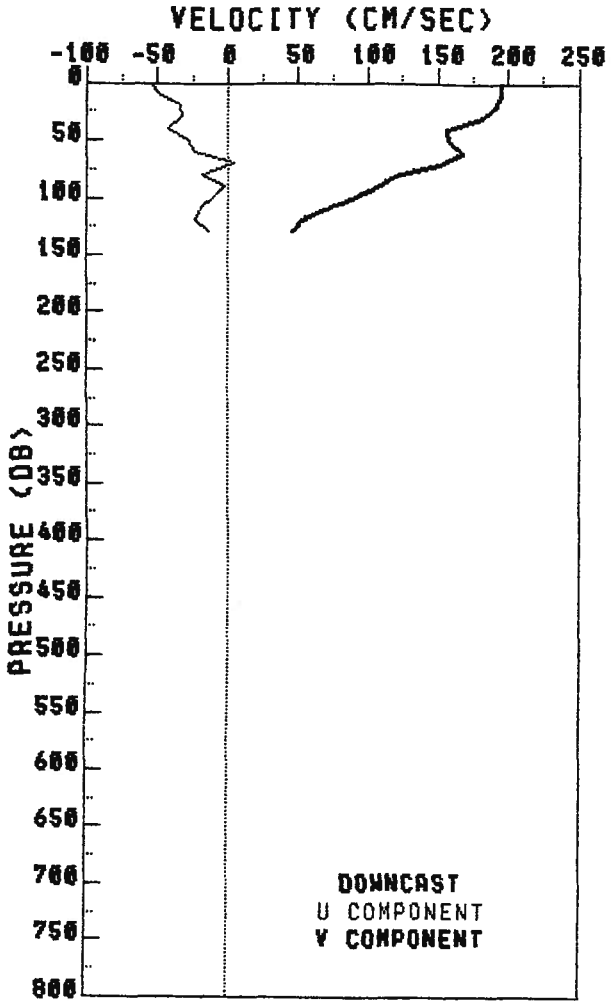


PRES	U	V
0	9.6	215.2
10	9.6	215.2
20	11.8	212.3
30	18.1	200.9
40	18.6	196.2
50	13.7	195.4
60	8.9	192.4
70	1.6	180.0
80	-2.5	164.6
90	-17.6	147.8
100	-2.4	128.2
110	-3.1	84.3
120	6.4	52.1
130	8.5	33.0

RES-STACS12-83 PEGASUS 102 STN 0

R/V RESEARCHER JDAY 343 TIME 1335Z

LATITUDE 26.99 N LONGITUDE 79.93 W

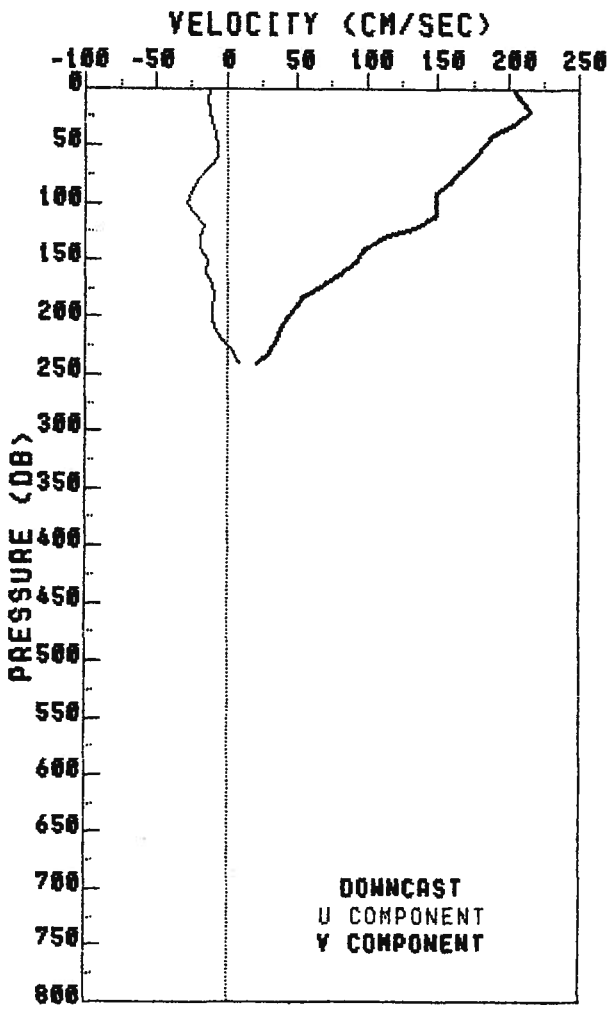


PRES	U	V
0	-54.7	195.1
10	-48.2	196.1
20	-33.3	193.5
30	-32.2	182.5
40	-41.7	157.9
50	-28.5	158.7
60	-23.7	168.2
70	4.1	151.3
80	-17.1	118.5
90	-2.8	106.2
100	-10.3	88.2
110	-19.0	70.5
120	-23.5	52.9
130	-13.0	46.7

RES-STACS12-83 PEGASUS 103 STN 1

R/V RESEARCHER JDAY 343 TIME 1445Z

LATITUDE 26.98 N LONGITUDE 79.86 W

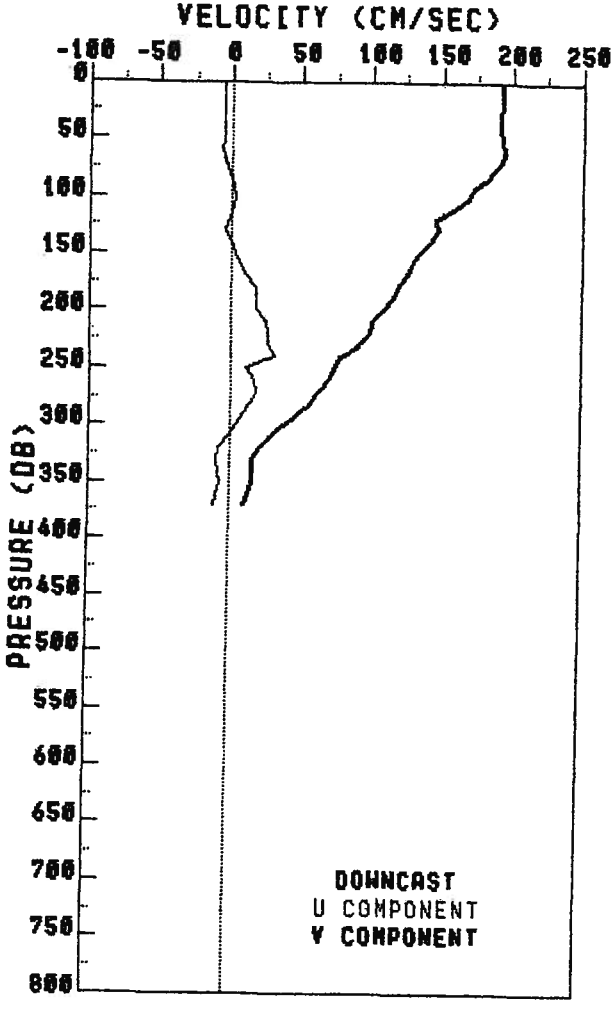


PRES	U	V
0	-12.0	204.4
10	-12.5	210.3
20	-12.0	214.8
30	-10.5	205.3
40	-8.0	190.8
50	-5.8	183.6
60	-6.4	177.2
70	-13.0	168.5
80	-20.8	160.1
90	-25.5	150.1
100	-28.3	149.1
110	-22.7	149.9
120	-16.1	137.4
130	-19.1	111.2
140	-18.2	99.1
150	-13.3	93.8
160	-14.2	82.8
170	-10.8	68.9
180	-8.8	55.8
190	-9.9	50.4
200	-11.1	44.5
220	-4.0	35.7
240	8.9	21.6

RES-STACS12-83 PEGASUS 104 STN 2

R/V RESEARCHER JDAY 343 TIME 0169Z

LATITUDE 26.97 N LONGITUDE 79.78 W

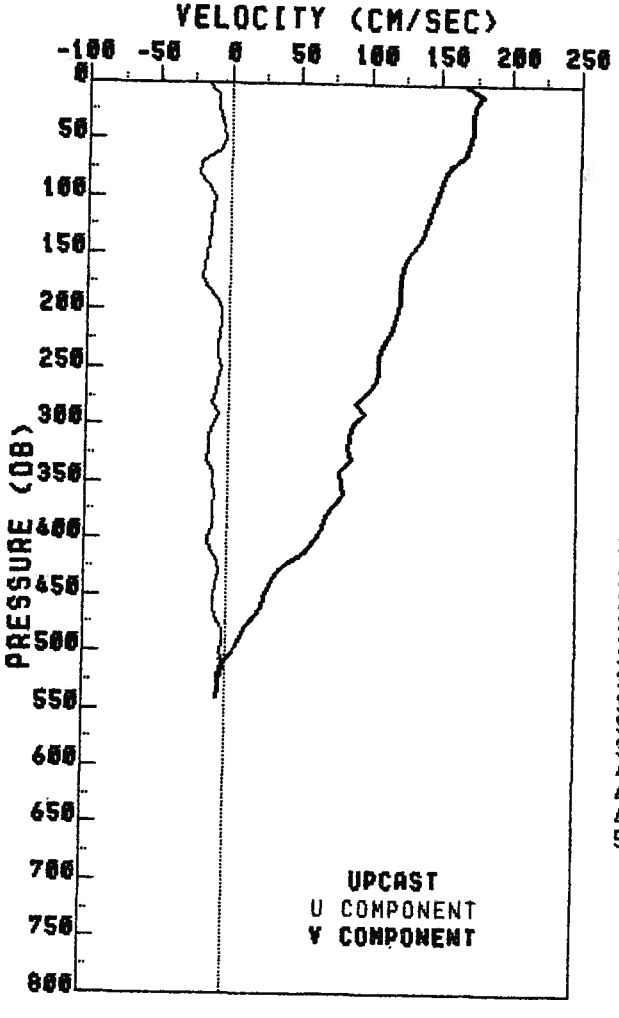


PRES	U	V
0	-5.2	192.6
10	-5.2	192.6
20	-5.2	192.6
30	-5.3	192.1
40	-4.9	192.0
50	-5.1	192.9
60	-6.3	194.7
70	-3.5	192.5
80	-1.3	184.1
90	2.0	175.6
100	3.4	169.7
110	2.1	160.5
120	-1.1	146.0
130	-4.0	148.0
140	0.1	142.3
150	3.5	134.8
160	7.5	128.9
170	11.9	125.0
180	17.8	118.6
190	17.5	115.2
200	17.5	109.1
220	26.2	100.1
240	31.8	78.2
260	17.3	69.6
280	14.1	55.8
300	4.7	38.8
320	-8.3	22.3
340	-7.8	16.7
360	-8.9	14.6

RES-STACS12-83 PEGASUS 105 STN 3

R/V RESEARCHER JDAY 343 TIME 1735Z

LATITUDE 26.98 N LONGITUDE 79.67 W

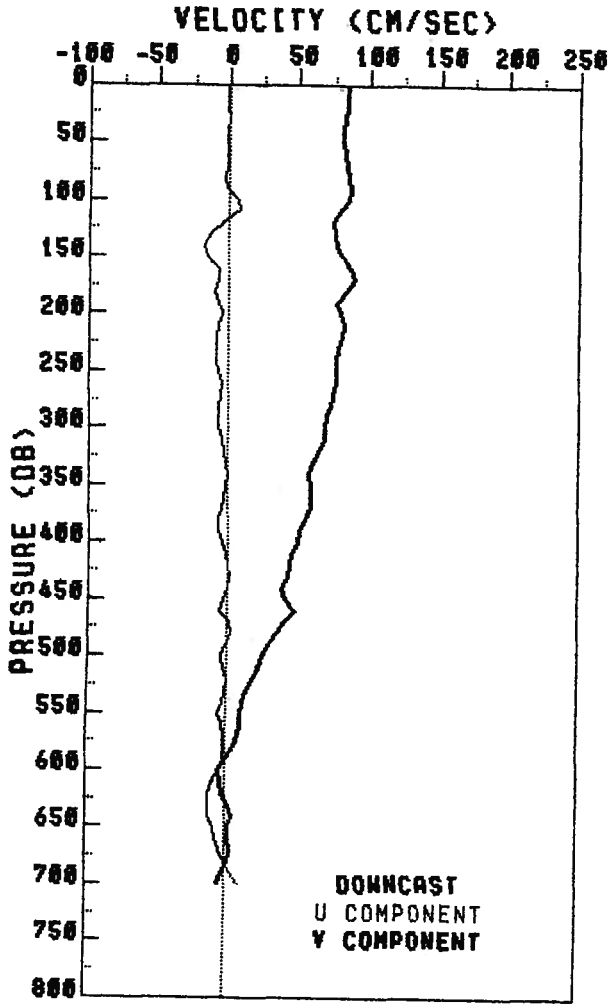


PRES	U	V
0	-16.1	167.3
10	-9.4	179.0
20	-8.4	173.8
30	-7.8	173.1
40	-5.0	172.7
50	-3.3	171.9
60	-7.9	168.1
70	-19.7	158.7
80	-21.0	154.3
90	-14.8	150.6
100	-10.2	148.4
110	-11.7	144.9
120	-13.8	142.4
130	-13.1	139.5
140	-14.8	135.8
150	-16.1	129.0
160	-17.6	124.6
170	-18.5	122.9
180	-15.1	124.2
190	-7.3	124.2
200	-4.9	121.6
220	-5.7	116.2
240	-7.2	108.6
260	-7.1	106.6
280	-11.9	91.9
300	-10.6	90.9
320	-12.7	86.8
340	-10.2	80.7
360	-9.4	83.8
380	-10.1	71.8
400	-12.9	64.3
420	-6.3	46.1
470	-7.6	21.1
520	-2.1	-3.9

RES-STACS12-83 PEGASUS 108 STN 6

R/V RESEARCHER JDAY 344 TIME 9999Z

LATITUDE 26.98 N LONGITUDE 79.36 W

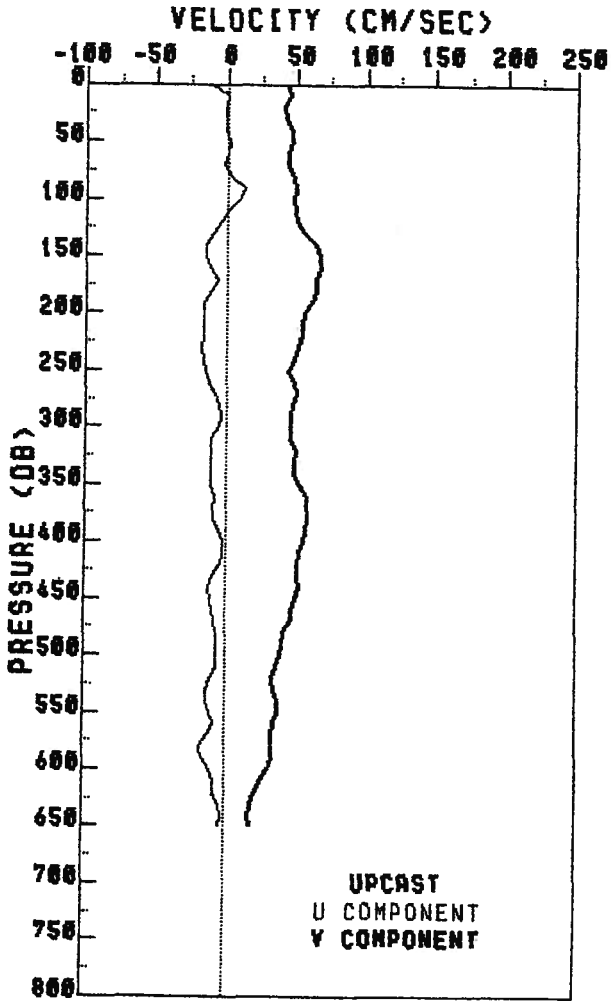


PRES	U	V
0	-1.0	84.5
10	-1.0	84.5
20	-1.0	84.5
30	0.1	84.3
40	-0.8	82.7
50	-0.7	82.6
60	-1.7	83.2
70	-1.7	84.6
80	-2.0	85.8
90	-0.5	87.3
100	6.4	86.1
110	8.3	81.2
120	-2.3	76.1
130	-12.3	77.0
140	-18.1	78.1
150	-14.1	82.3
160	-6.2	87.1
170	-6.1	90.1
180	-9.1	84.8
190	-7.0	78.1
200	-4.5	80.7
220	-8.1	82.5
240	-8.4	78.1
260	-4.6	78.1
280	-5.9	74.4
300	-6.2	69.6
320	-1.9	66.3
340	0.9	59.5
360	-3.0	60.8
380	-6.2	55.7
400	-3.3	50.5
420	0.0	45.3
470	2.1	42.9
520	-0.3	19.6
570	-1.4	10.3
620	-12.4	-0.7
670	-4.2	4.3

RES-STACS12-83 PEGASUS 109 STN 7

R/V RESEARCHER JDAY 344 TIME 0117Z

LATITUDE 26.98 N LONGITUDE 79.28 W

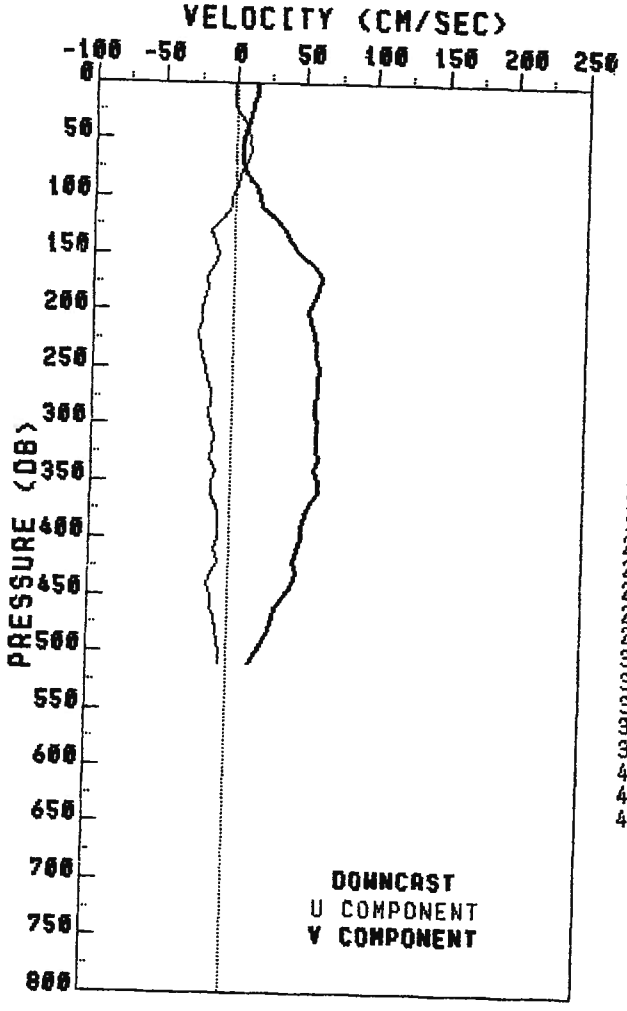


PRES	U	V
0	-10.6	44.1
10	1.1	45.9
20	-1.4	41.3
30	-1.4	42.9
40	-0.2	47.4
50	1.9	47.2
60	0.5	44.0
70	-2.4	44.8
80	3.0	48.4
90	12.3	50.1
100	9.4	48.7
110	1.3	49.6
120	-3.0	51.7
130	-9.3	56.3
140	-14.0	65.0
150	-13.9	67.5
160	-11.3	67.4
170	-5.7	65.4
180	-10.4	64.7
190	-16.2	62.2
200	-16.0	56.1
220	-15.9	54.9
240	-16.2	49.1
260	-11.6	49.4
280	-5.4	49.0
300	-4.8	46.5
320	-10.6	50.5
340	-10.2	49.7
360	-7.6	58.9
380	-8.9	59.3
400	-2.5	57.0
420	-3.2	52.6
470	-7.6	47.8
520	-10.4	35.2
570	-11.7	34.2
620	-7.6	22.9

RES-STACS12-83 PEGASUS 110 STN 8

R/V RESEARCHER JDAY 344 TIME 0255Z

LATITUDE 26.99 N LONGITUDE 79.19 W

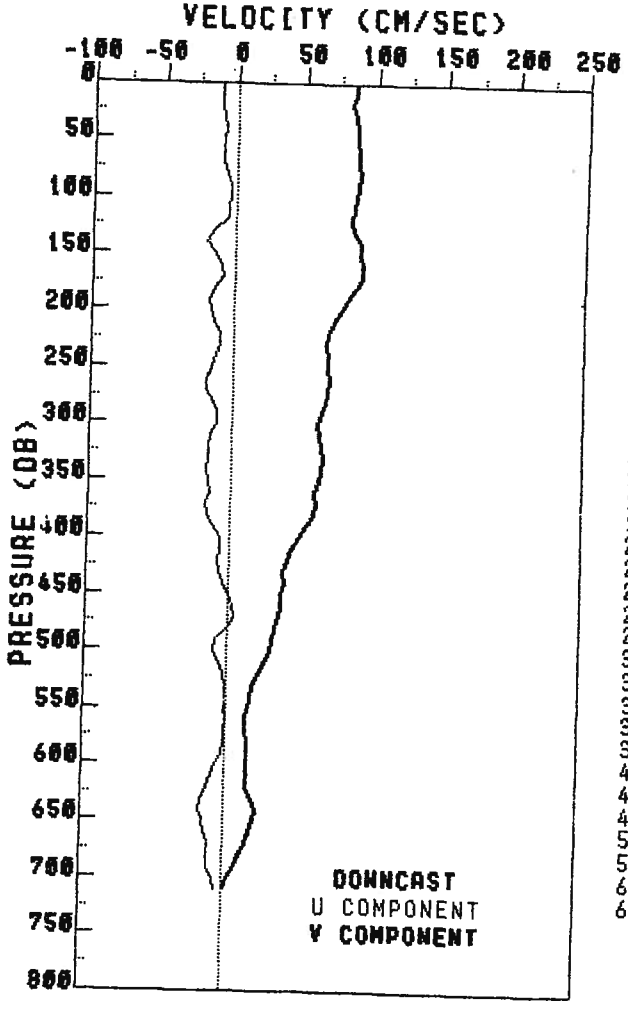


PRES	U	V
0	-1.2	14.6
10	-1.2	14.6
20	-1.1	13.0
30	3.1	10.8
40	8.2	7.8
50	9.8	5.3
60	11.4	5.7
70	8.7	5.4
80	3.2	7.9
90	1.0	15.1
100	-1.9	17.6
110	-2.2	19.1
120	-8.5	29.7
130	-15.6	37.5
140	-14.1	41.7
150	-10.7	47.9
160	-13.1	58.2
170	-19.5	63.2
180	-17.1	61.4
190	-20.0	59.0
200	-21.7	55.5
220	-24.1	59.3
240	-21.0	61.1
260	-17.2	62.2
280	-14.9	60.3
300	-14.7	62.2
320	-13.1	61.8
340	-10.4	60.4
360	-13.7	62.6
380	-8.3	54.8
400	-8.5	51.7
420	-8.2	47.0
470	-9.4	32.4

RES-STACS12-83 PEGASUS 111 STN 6

R/V RESEARCHER JDAY 344 TIME 0504Z

LATITUDE 27.00 N LONGITUDE 79.37 W

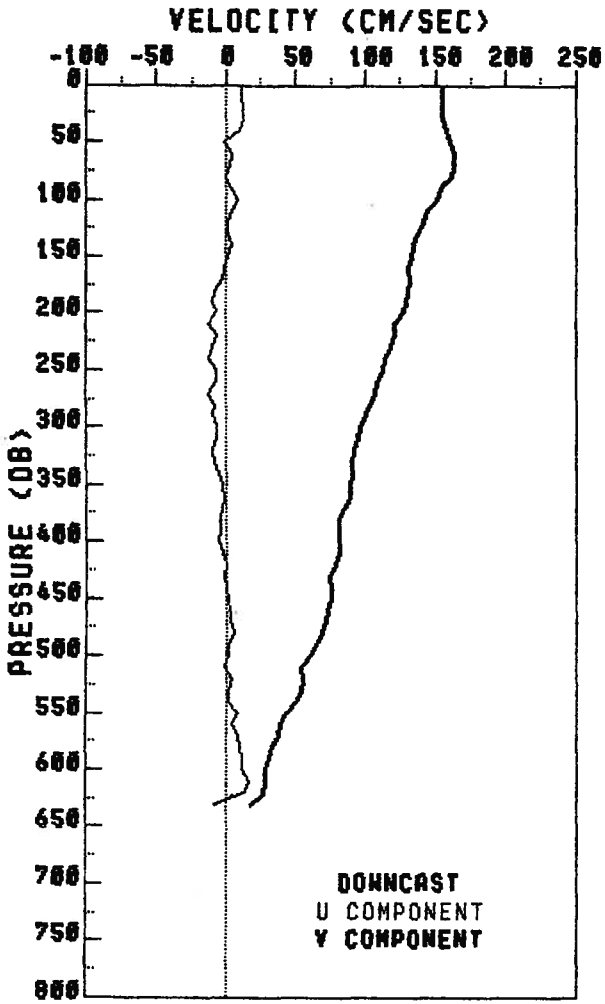


PRES	U	V
0	-10.2	85.6
10	-10.2	85.4
20	-10.4	83.2
30	-9.3	85.5
40	-8.2	86.5
50	-8.4	87.3
60	-8.9	88.1
70	-8.5	87.6
80	-6.1	88.8
90	-3.9	87.9
100	-4.0	87.1
110	-5.3	85.0
120	-4.9	84.6
130	-14.5	85.6
140	-19.6	91.1
150	-13.6	90.6
160	-9.0	91.4
170	-7.9	92.4
180	-12.7	88.6
190	-16.6	82.4
200	-16.5	77.9
220	-9.2	68.9
240	-12.4	68.8
260	-18.4	69.7
280	-13.1	67.1
300	-10.9	61.7
320	-16.5	65.3
340	-17.8	64.7
360	-14.2	61.2
380	-15.2	61.3
400	-6.2	51.7
420	-7.8	42.5
470	4.0	37.8
520	-2.4	23.3
570	-0.3	16.1
620	-12.0	16.6
670	-10.7	16.5

RES-STACS12-83 PEGASUS 112 STN 4

R/V RESEARCHER JDAY 344 TIME 0831Z

LATITUDE 27.00 N LONGITUDE 79.37 W

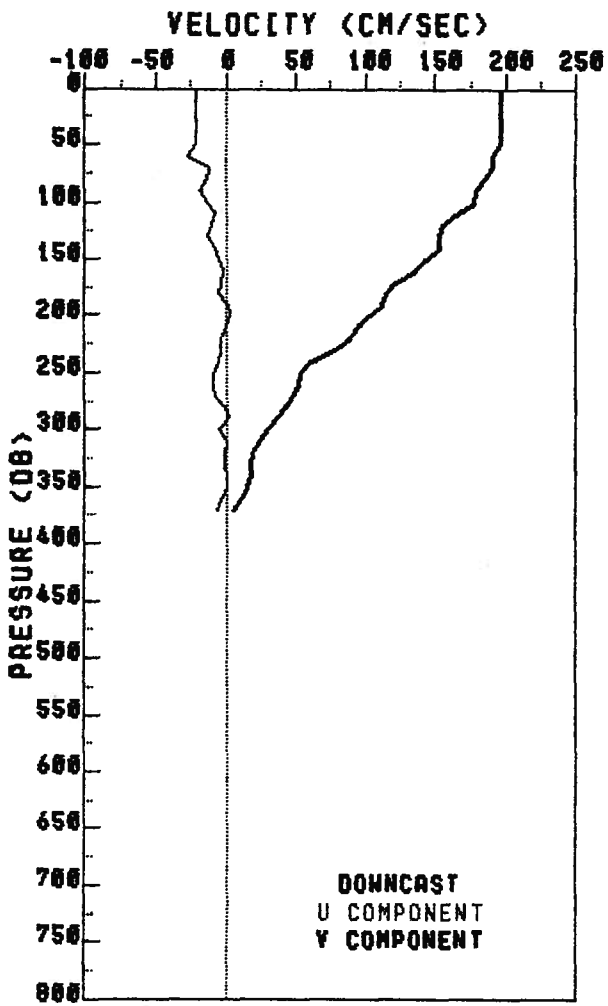


PRES	U	V
0	11.9	156.0
10	11.3	156.0
20	13.2	156.2
30	12.2	156.7
40	9.3	159.0
50	-0.8	161.8
60	4.3	164.4
70	2.9	164.3
80	-0.1	162.4
90	4.8	155.2
100	9.1	151.8
110	4.7	145.1
120	1.7	142.2
130	1.8	138.0
140	4.9	134.9
150	2.2	134.5
160	-0.9	132.1
170	-1.9	132.4
180	-7.8	131.4
190	-9.0	129.9
200	-6.9	128.5
220	-6.6	122.2
240	-12.2	115.6
260	-6.3	110.2
280	-8.1	104.5
300	-6.7	97.7
320	-8.8	93.2
340	-5.1	91.9
360	-1.7	90.2
380	-3.9	82.2
400	-4.8	81.8
420	-0.1	79.5
470	2.7	73.2
520	4.3	55.8
570	8.2	38.4
620	12.2	27.1

RES-STACS12-83 PEGASUS 113 STN 2

R/V RESEARCHER JDAY 344 TIME 1046Z

LATITUDE 26.99 N LONGITUDE 79.80 W

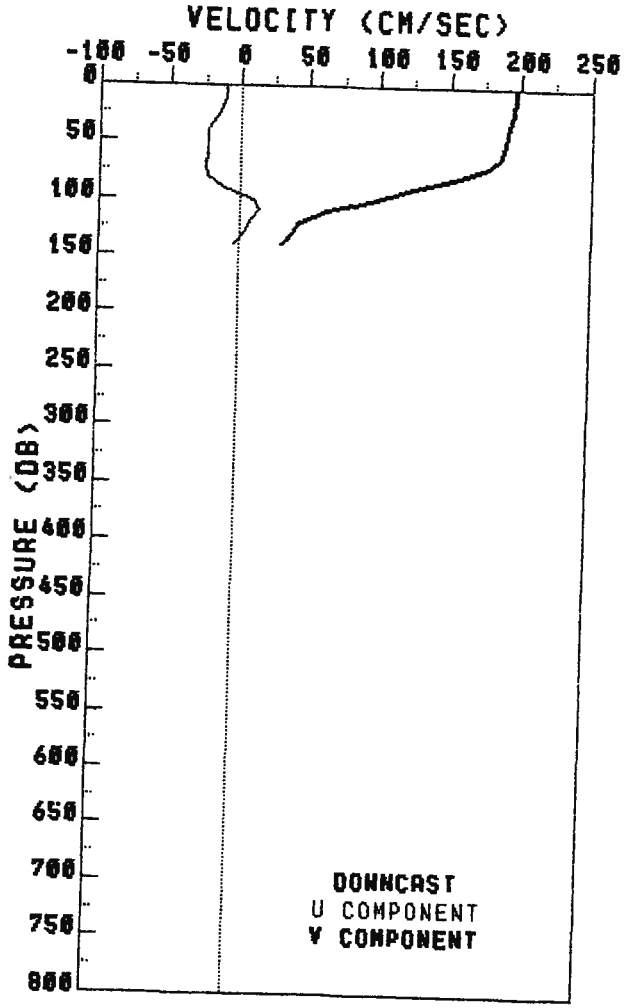


PRES	U	V
0	-22.0	198.0
10	-22.0	198.0
20	-22.0	198.0
30	-22.0	198.0
40	-22.0	198.0
50	-22.0	198.0
60	-27.3	192.4
70	-12.1	191.9
80	-13.3	186.6
90	-17.9	180.0
100	-13.7	178.0
110	-8.0	167.8
120	-10.6	156.3
130	-12.7	154.3
140	-7.5	153.8
150	-5.0	143.8
160	-2.7	135.3
170	-3.2	122.0
180	-5.1	114.8
190	1.6	112.6
200	3.9	105.1
220	-3.0	89.1
240	-5.1	62.6
260	-9.6	51.8
280	-0.2	42.6
300	-4.4	30.6
320	-1.4	19.3
340	0.6	17.9
360	-3.0	11.4

RES-STACS12-83 PEGASUS 114 STN 0

R/V RESEARCHER JDAY 344 TIME 1249Z

LATITUDE 27.00 N LONGITUDE 79.93 W

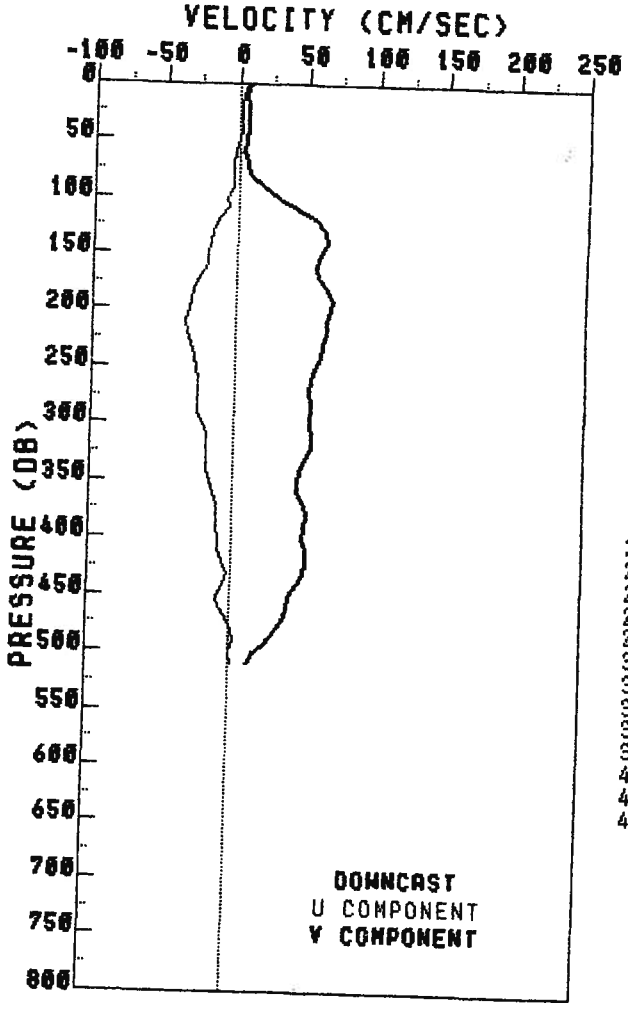


PRES	U	V
0	-10.9	197.4
10	-11.1	197.3
20	-14.1	195.5
30	-17.9	194.2
40	-22.8	191.4
50	-22.8	190.2
60	-22.5	188.1
70	-24.4	177.4
80	-23.4	153.1
90	-12.7	121.0
100	9.2	94.7
110	13.3	63.4
120	7.3	44.3
130	3.5	38.6
140	-4.4	32.9

RES-STACS12-83 PEGASUS 115 STN 8

R/V RESEARCHER JDAY 344 TIME 1656Z

LATITUDE 27.01 N LONGITUDE 79.21 W

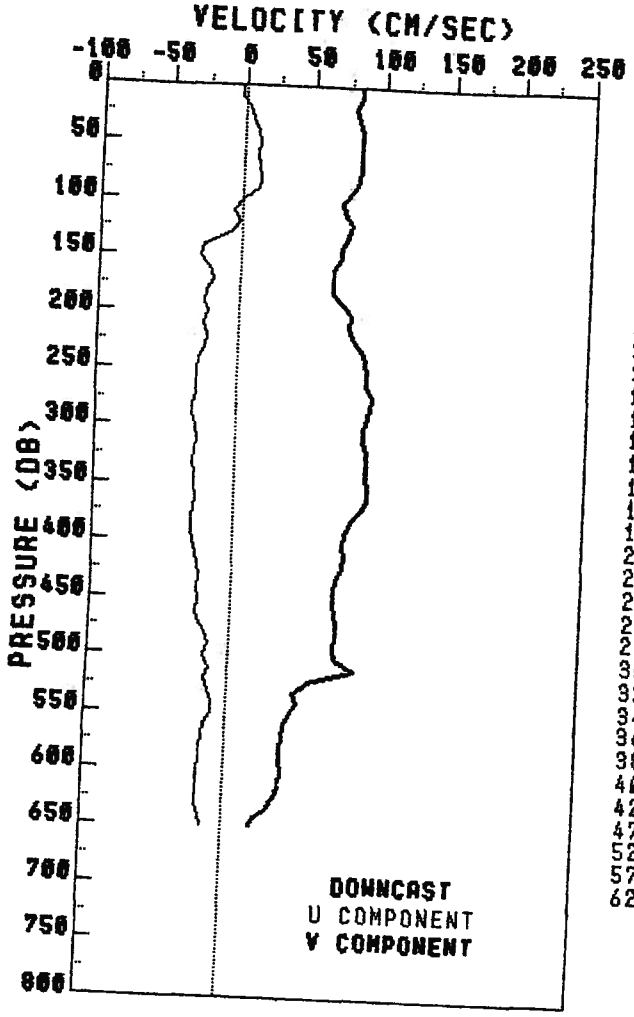


PRES	U	V
0	6.4	8.7
10	3.2	6.7
20	1.6	7.3
30	1.9	7.1
40	1.7	7.8
50	0.1	6.1
60	-1.6	4.9
70	-4.0	7.6
80	-3.4	8.1
90	-3.1	17.7
100	-8.1	29.4
110	-5.8	42.2
120	-13.1	56.0
130	-17.4	63.0
140	-18.9	64.2
150	-19.8	60.7
160	-20.1	58.0
170	-24.9	59.8
180	-29.7	66.0
190	-31.0	70.6
200	-31.7	69.3
220	-34.2	66.3
240	-28.2	61.5
260	-25.8	55.7
280	-26.1	55.3
300	-22.0	55.6
320	-18.2	56.8
340	-18.3	48.4
360	-12.6	47.2
380	-10.9	53.9
400	-9.0	51.7
420	-6.8	53.4
470	-1.7	40.3

RES-STACS12-83 PEGASUS 116 STN 7

R/V RESEARCHER JDAY 344 TIME 1822Z

LATITUDE 27.00 N LONGITUDE 79.29 W

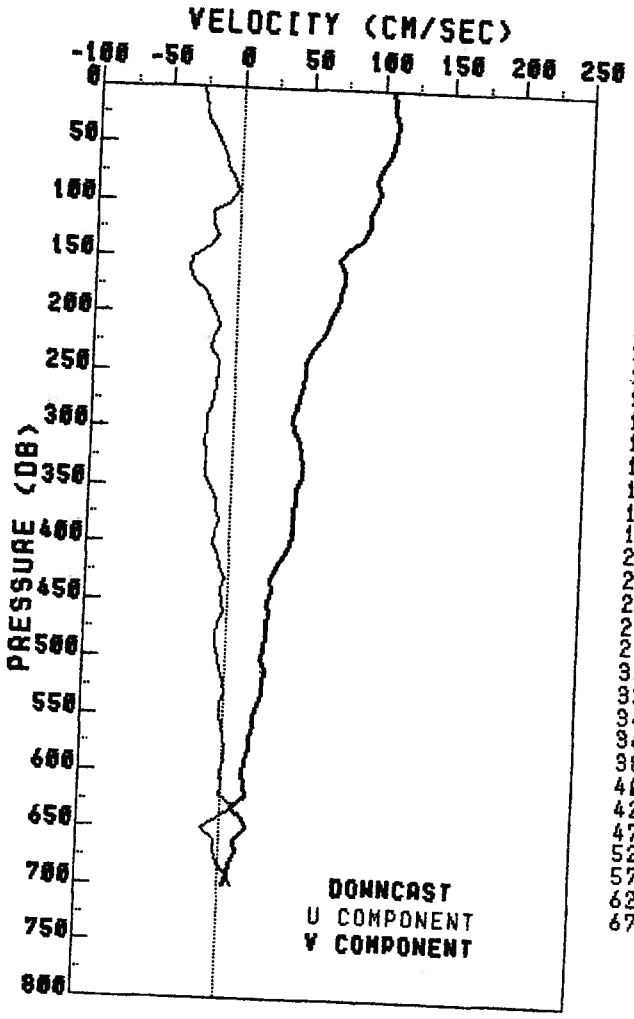


PRES	U	V
0	-3.1	83.0
10	-2.3	82.9
20	2.9	79.7
30	6.1	81.9
40	9.4	85.0
50	11.1	85.6
60	10.3	84.8
70	11.5	85.5
80	12.9	84.2
90	11.3	79.3
100	0.7	72.5
110	-5.3	74.2
120	-1.7	79.8
130	-7.8	77.0
140	-25.8	72.6
150	-27.9	72.1
160	-22.0	67.0
170	-19.5	67.8
180	-23.5	67.7
190	-24.7	75.0
200	-21.3	80.3
220	-21.6	82.5
240	-27.4	91.8
260	-28.4	93.3
280	-31.4	95.8
300	-28.3	91.8
320	-28.3	94.5
340	-28.9	94.5
360	-26.6	96.3
380	-29.9	85.4
400	-28.1	80.0
420	-24.7	80.0
470	-23.7	76.9
520	-16.1	57.0
570	-16.8	40.8
620	-19.4	38.4

RES-STACS12-83 PEGASUS 117 STN 6

R/V RESEARCHER JDAY 344 TIME 2013Z

LATITUDE 27.00 N LONGITUDE 79.38 W

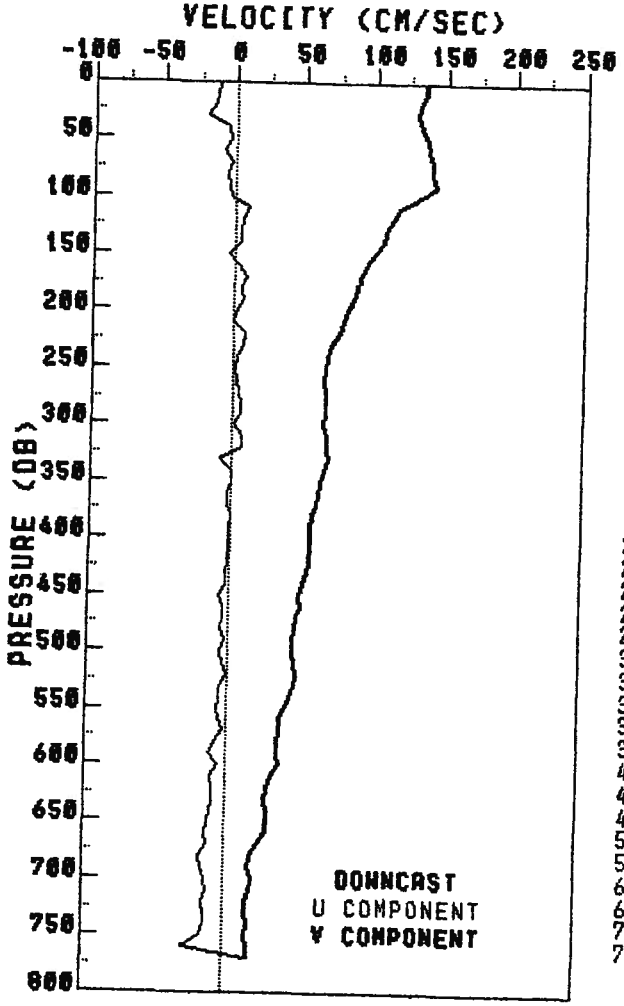


PRES	U	V
0	-28.4	107.7
10	-27.1	108.4
20	-24.9	108.9
30	-23.9	111.3
40	-18.9	109.7
50	-14.4	108.9
60	-11.1	105.9
70	-8.8	99.8
80	-4.1	98.1
90	-1.0	100.2
100	-6.1	97.1
110	-18.3	93.3
120	-18.1	93.6
130	-14.9	89.7
140	-20.5	79.9
150	-32.0	73.3
160	-33.6	77.2
170	-30.3	77.0
180	-21.0	74.8
190	-18.6	73.1
200	-14.4	68.9
220	-15.6	62.0
240	-11.6	51.1
260	-13.5	49.6
280	-16.3	45.9
300	-18.7	43.8
320	-18.9	49.5
340	-19.1	50.5
360	-10.2	46.9
380	-8.1	45.2
400	-11.3	44.6
420	-6.3	34.3
470	-6.5	29.9
520	-0.5	27.4
570	0.9	20.2
620	-0.7	18.4
670	-4.1	12.5

RES-STACS12-83 PEGASUS 118 STN 5

R/V RESEARCHER JDAY 344 TIME 2155Z

LATITUDE 27.00 N LONGITUDE 79.51 W

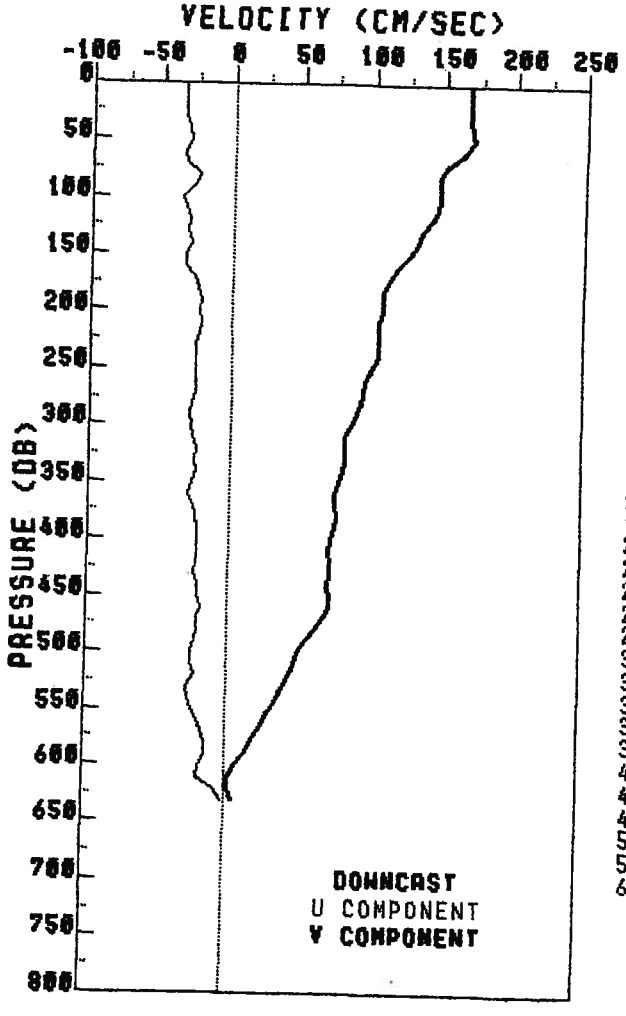


PRES	U	V
0	-12.0	195.9
10	-13.5	135.3
20	-15.5	131.6
30	-20.2	130.5
40	-5.8	133.2
50	-4.5	137.5
60	-7.6	138.3
70	-1.8	140.9
80	-5.4	140.9
90	-3.7	143.9
100	-2.5	129.8
110	9.4	118.1
120	5.5	114.0
130	4.3	107.9
140	5.0	106.6
150	-4.4	99.7
160	3.3	94.9
170	8.5	91.1
180	6.4	89.6
190	6.9	86.1
200	2.8	82.5
220	8.0	77.3
240	2.5	68.6
260	2.6	66.5
280	6.1	67.5
300	1.5	66.3
320	7.1	68.9
340	-0.1	66.7
360	-2.2	62.6
380	0.3	59.4
400	-0.8	57.3
420	-0.8	57.3
470	-3.5	49.0
520	-0.8	49.1
570	-2.2	38.3
620	-9.8	30.3
670	-11.5	25.4
720	-14.3	17.1
770	16.0	17.8

RES-STACS12-83 PEGASUS 119 STN 4

R/V RESEARCHER JDAY 344 TIME 2359Z

LATITUDE 26.98 N LONGITUDE 79.62 W

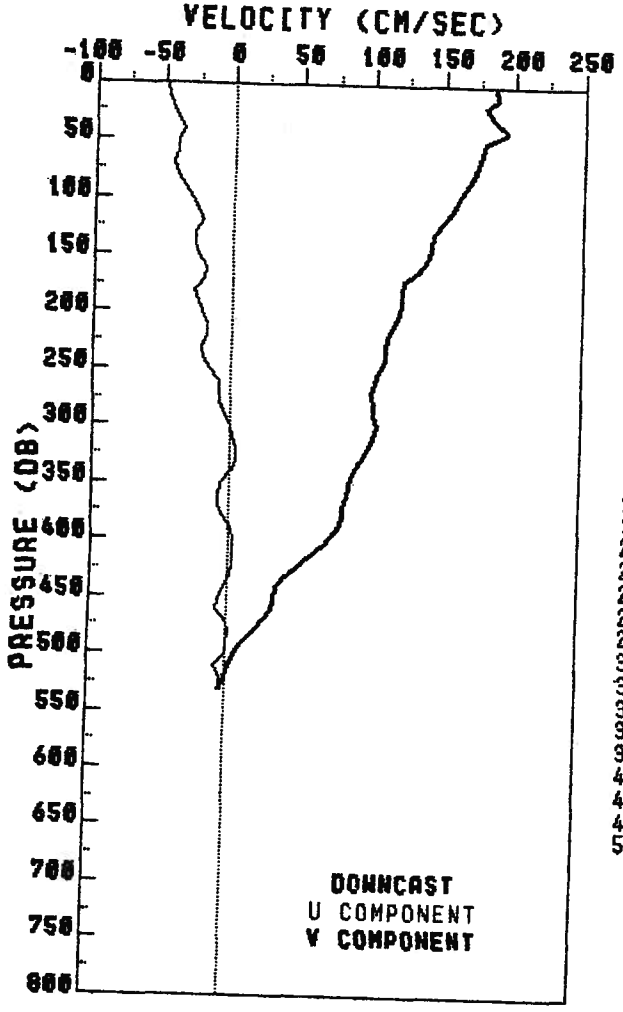


PRES	U	V
0	-35.1	167.1
10	-35.1	167.1
20	-35.1	167.1
30	-35.1	167.1
40	-32.8	169.0
50	-31.4	169.4
60	-34.6	163.6
70	-34.2	152.6
80	-24.4	147.1
90	-28.2	146.3
100	-35.8	146.9
110	-34.0	146.0
120	-31.4	141.2
130	-32.0	134.3
140	-29.6	132.4
150	-33.1	126.3
160	-34.3	118.2
170	-26.1	113.1
180	-24.0	108.5
190	-21.6	108.8
200	-22.4	107.9
220	-22.9	105.4
240	-25.4	105.6
260	-25.0	96.1
280	-27.9	93.9
300	-28.6	86.9
320	-23.8	83.2
340	-24.8	81.6
360	-29.6	76.0
380	-23.8	76.8
400	-22.5	73.3
420	-22.1	73.2
470	-21.4	68.4
520	-22.6	44.2
570	-16.7	23.7
620	-8.0	3.2

RES-STACS12-83 PEGASUS 120 STN 3

R/V RESEARCHER JDAY 345 TIME 0143Z

LATITUDE 27.00 N LONGITUDE 79.69 W

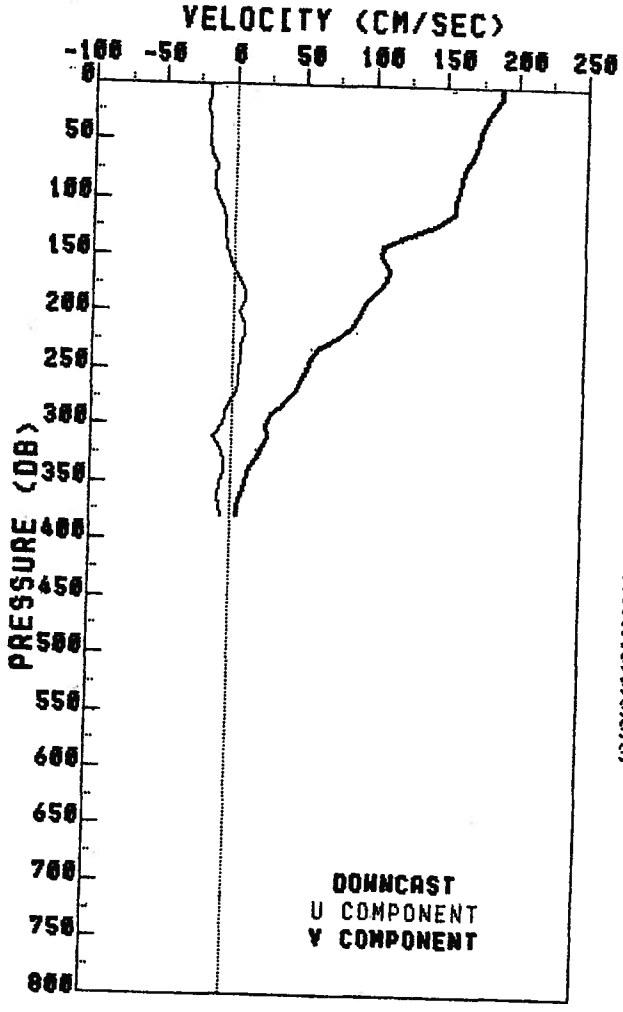


PRES	U	V
0	-48.9	186.0
10	-47.1	187.3
20	-44.7	179.5
30	-41.0	185.1
40	-36.6	194.0
50	-41.3	179.9
60	-41.0	176.4
70	-43.9	173.9
80	-40.9	170.5
90	-34.8	166.2
100	-30.5	160.5
110	-26.0	157.9
120	-21.2	150.5
130	-27.0	143.4
140	-26.4	142.8
150	-23.8	141.1
160	-19.1	134.6
170	-20.5	123.6
180	-26.4	121.3
190	-24.1	121.4
200	-21.3	120.6
220	-18.1	111.9
240	-20.3	110.5
260	-8.1	103.7
280	-8.2	102.2
300	-0.3	106.1
320	4.1	99.3
340	-0.1	88.7
360	-8.1	85.0
380	-4.1	82.9
400	2.5	71.1
420	3.4	52.1
470	-1.1	28.2
520	-4.3	-0.1

RES-STACS12-83 PEGASUS 121 STN 2

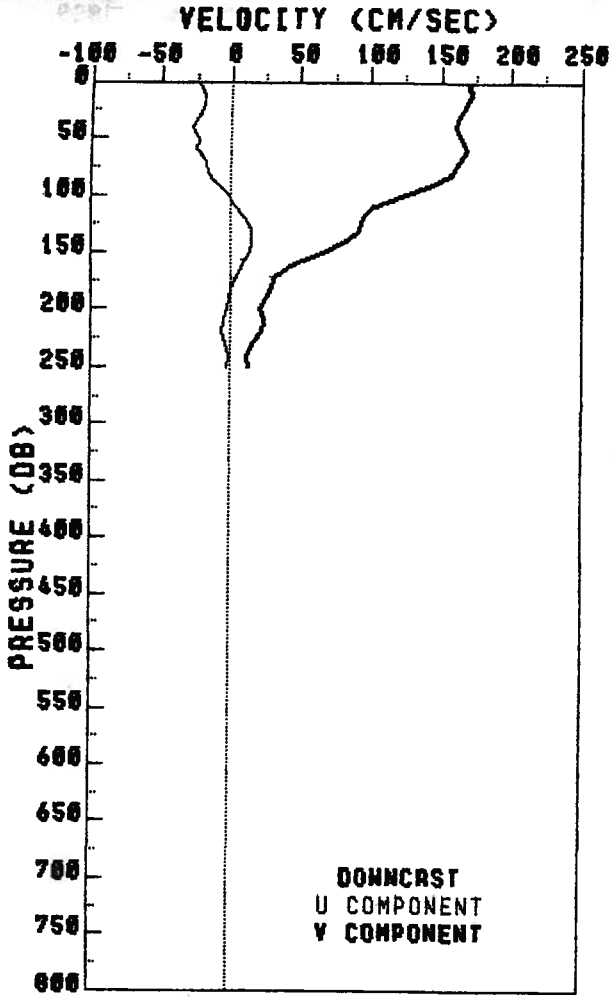
R/V RESEARCHER JDAY 345 TIME 0330Z

LATITUDE 26.99 N LONGITUDE 79.80 W



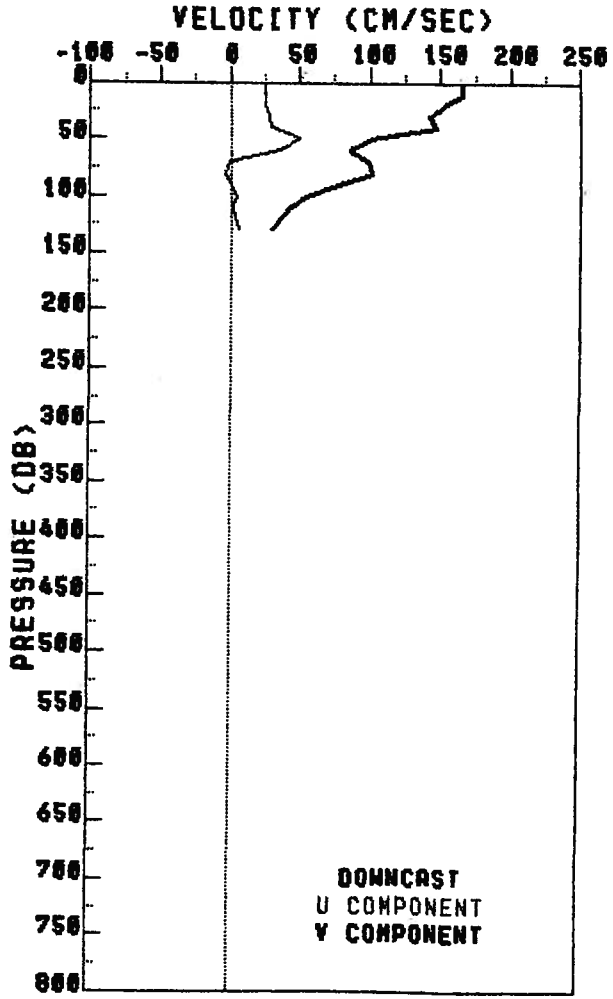
PRES	U	V
0	-18.6	189.1
10	-18.6	189.1
20	-19.5	183.7
30	-19.3	178.5
40	-18.9	174.5
50	-19.0	172.8
60	-17.3	170.1
70	-12.9	164.6
80	-15.0	161.7
90	-14.5	160.4
100	-11.4	157.5
110	-7.5	158.1
120	-6.8	145.3
130	-5.9	124.9
140	-4.4	107.7
150	-3.8	106.4
160	-0.5	110.8
170	4.3	109.8
180	9.4	102.9
190	9.4	95.4
200	4.7	92.0
220	8.4	77.1
240	5.9	57.0
260	4.7	50.4
280	-2.6	38.0
300	-6.1	25.2
320	-7.4	22.2
340	-4.3	12.8
360	-8.7	9.2
380	-5.8	6.2

RES-STACS12-83 PEGASUS 122 STN 1
R/V RESEARCHER JDAY 345 TIME 0451Z
LATITUDE 27.00 N LONGITUDE 79.88 W



PRES	U	V
0	-22.8	170.7
10	-19.9	172.2
20	-18.7	169.4
30	-22.6	163.6
40	-26.6	161.7
50	-23.7	165.3
60	-23.7	169.8
70	-17.2	163.7
80	-15.8	159.3
90	-9.1	145.1
100	-0.7	122.1
110	2.8	104.8
120	10.3	96.4
130	15.2	93.4
140	15.3	84.1
150	13.2	65.8
160	8.8	45.2
170	3.7	33.1
180	0.4	29.7
190	-0.8	25.6
200	-2.0	22.1
220	-6.0	23.7
240	-1.6	12.6

RES-STACS12-83 PEGASUS 123 STN 0
R/V RESEARCHER JDAY 345 TIME 0656Z
LATITUDE 27.00 N LONGITUDE 79.95 W

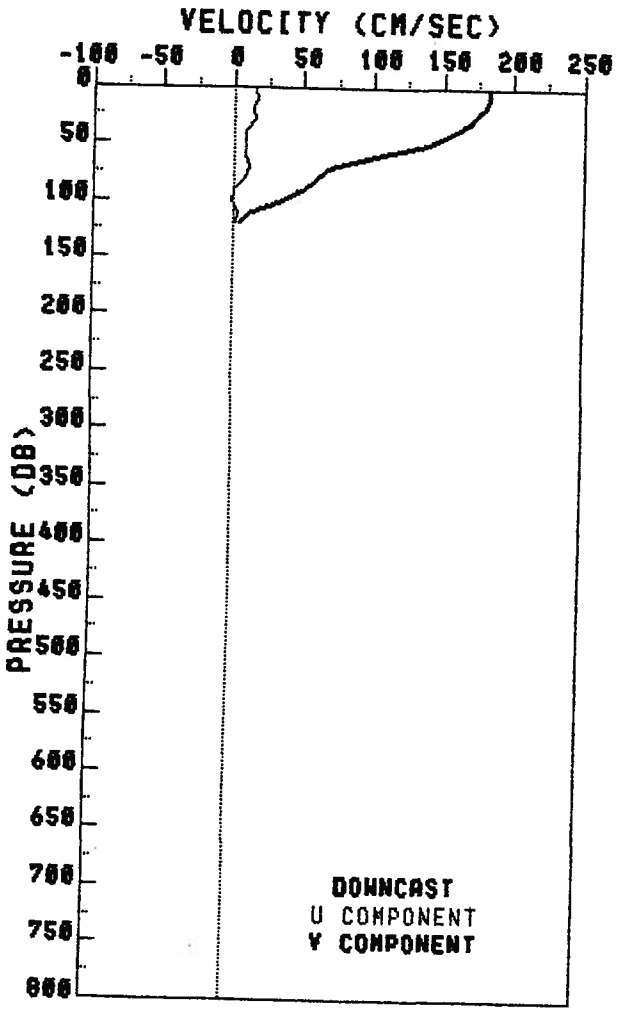


PRES	U	V
0	24.5	165.7
10	24.5	165.7
20	25.4	152.1
30	28.0	142.4
40	29.2	147.1
50	50.0	100.7
60	36.4	84.7
70	-1.1	99.5
80	-4.1	102.1
90	0.2	76.9
100	5.2	53.3
110	2.3	44.9
120	3.7	37.0
130	5.5	30.5

RES-STACS12-83 PEGASUS 124 STN 0

R/V RESEARCHER JDAY 346 TIME 0029Z

LATITUDE 27.00 N LONGITUDE 79.94 W

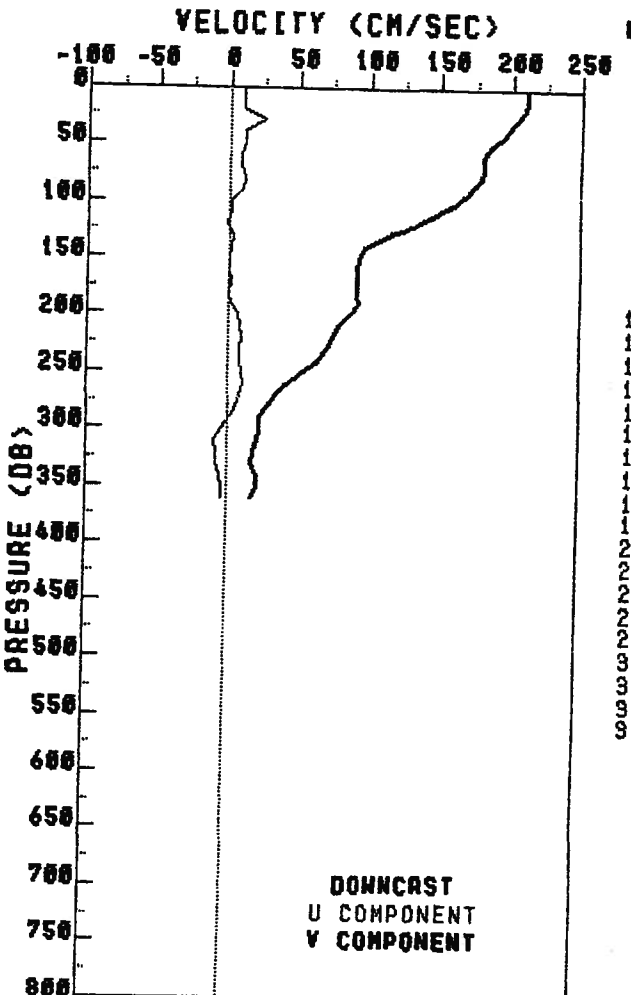


PRES	U	V
0	15.4	184.1
10	16.1	183.7
20	13.3	179.5
30	15.0	171.1
40	8.8	157.6
50	8.6	139.8
60	8.7	101.0
70	11.3	70.2
80	8.1	59.5
90	-0.3	49.1
100	-1.0	31.5
110	2.6	14.3
120	1.8	5.8

RES-STACS12-83 PEGASUS 125 STN 2

R/V RESEARCHER JDAY 346 TIME 0346Z

LATITUDE 26.99 N LONGITUDE 79.80 W

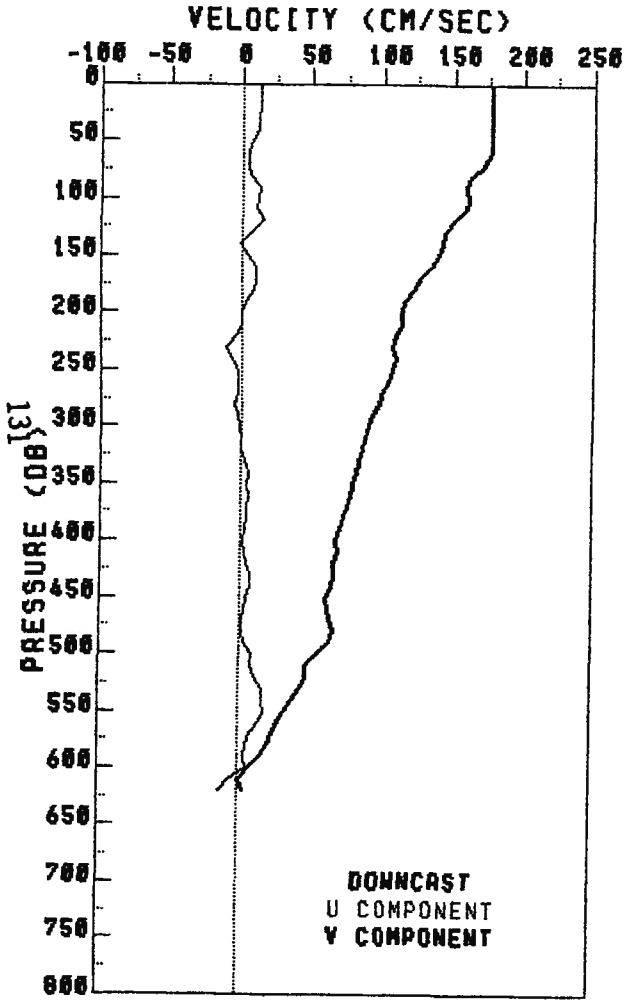


PRES	U	V
0	9.5	210.8
10	9.5	210.8
20	10.7	210.2
30	25.5	202.6
40	12.1	195.6
50	12.1	186.8
60	8.7	181.5
70	8.8	180.5
80	11.1	180.2
90	10.6	171.2
100	2.5	162.4
110	2.0	149.7
120	-0.9	134.5
130	2.9	112.2
140	2.2	97.8
150	1.2	92.8
160	0.9	91.9
170	1.2	91.9
180	0.0	92.8
190	1.9	93.5
200	6.7	88.1
220	9.4	76.2
240	9.1	65.4
260	11.7	42.8
280	6.5	28.6
300	-3.8	23.5
320	-7.8	20.1
340	-5.6	21.7
360	-3.6	18.7

RES-STACS12-83 PEGASUS 126 STN 4

R/V RESEARCHER JDAY 346 TIME 0551Z

LATITUDE 26.98 N LONGITUDE 79.62 W

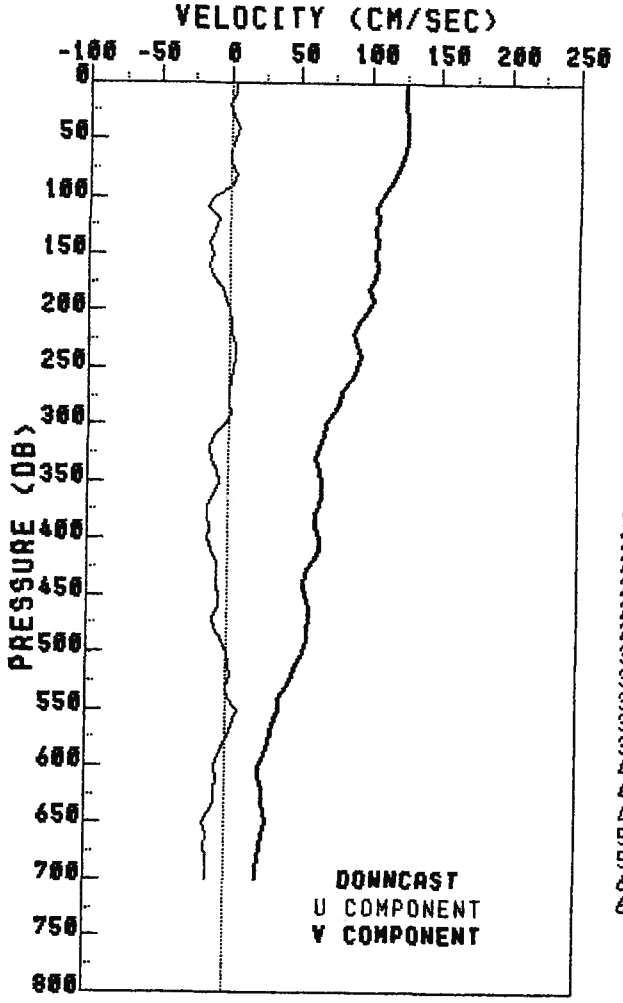


PRES	U	V
0	13.0	177.6
10	13.0	177.6
20	13.0	177.3
30	10.8	177.9
40	11.2	178.1
50	7.1	178.5
60	3.7	177.9
70	4.2	172.9
80	6.3	163.3
90	13.0	159.9
100	11.4	160.9
110	10.1	160.1
120	14.7	151.8
130	6.8	145.2
140	-1.5	143.4
150	4.2	141.1
160	10.4	136.0
170	9.3	127.4
180	8.3	122.7
190	3.3	116.9
200	-0.1	115.0
220	-4.0	110.7
240	-6.6	110.5
260	-1.8	105.7
280	-4.7	98.0
300	-1.2	91.7
320	0.4	87.6
340	5.2	83.7
360	5.1	79.3
380	4.8	74.7
400	1.4	68.6
420	4.7	67.7
470	2.0	65.0
520	11.8	48.2
570	8.1	25.0
620	-13.7	4.8

RES-STACS12-83 PEGASUS 127 STN 6

R/V RESEARCHER JDAY 346 TIME 0846Z

LATITUDE 27.00 N LONGITUDE 79.38 W

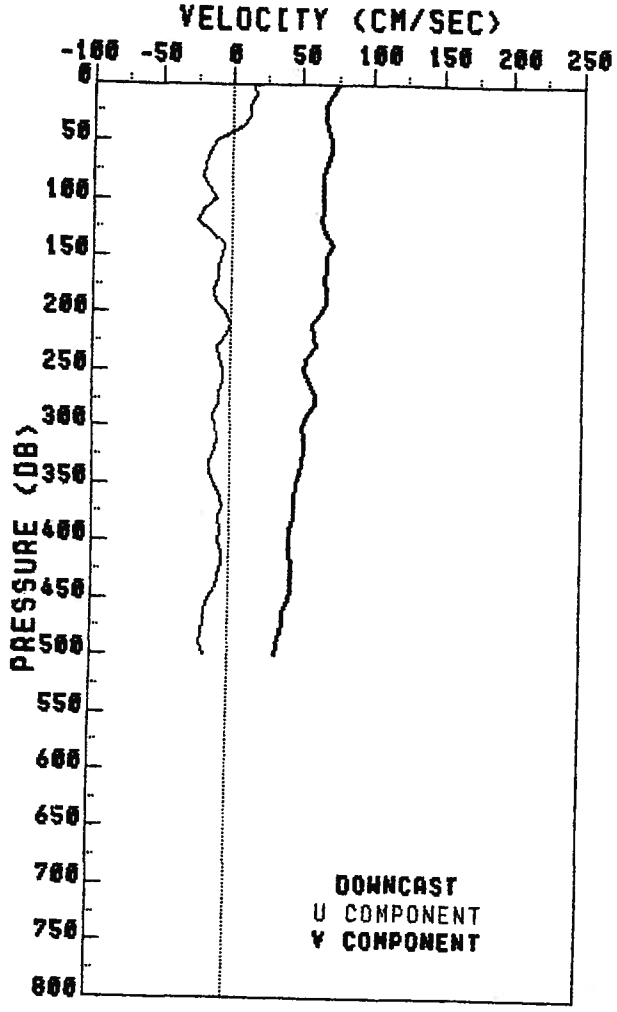


PRES	U	V
0	3.9	125.1
10	3.9	125.1
20	-0.8	125.4
30	1.8	126.3
40	6.1	126.4
50	3.1	126.2
60	0.4	124.6
70	1.0	121.6
80	4.5	118.1
90	1.4	113.6
100	-11.8	108.4
110	-15.9	104.6
120	-7.0	105.4
130	-10.6	105.1
140	-14.6	106.2
150	-12.2	104.2
160	-14.5	106.0
170	-11.6	104.2
180	-4.8	100.5
190	-2.5	103.2
200	0.5	100.8
220	2.1	89.8
240	4.5	94.5
260	2.3	87.9
280	1.0	79.8
300	-1.7	69.8
320	-13.4	65.6
340	-7.9	66.5
360	-10.6	67.6
380	-14.6	63.1
400	-14.2	65.8
420	-7.8	61.6
470	-10.2	59.2
520	3.8	48.8
570	3.5	33.8
620	-7.1	28.5
670	-13.9	26.6

RES-STACS12-83 PEGASUS 128 STN 8

R/V RESEARCHER JDAY 346 TIME 1059Z

LATITUDE 27.00 N LONGITUDE 79.20 W

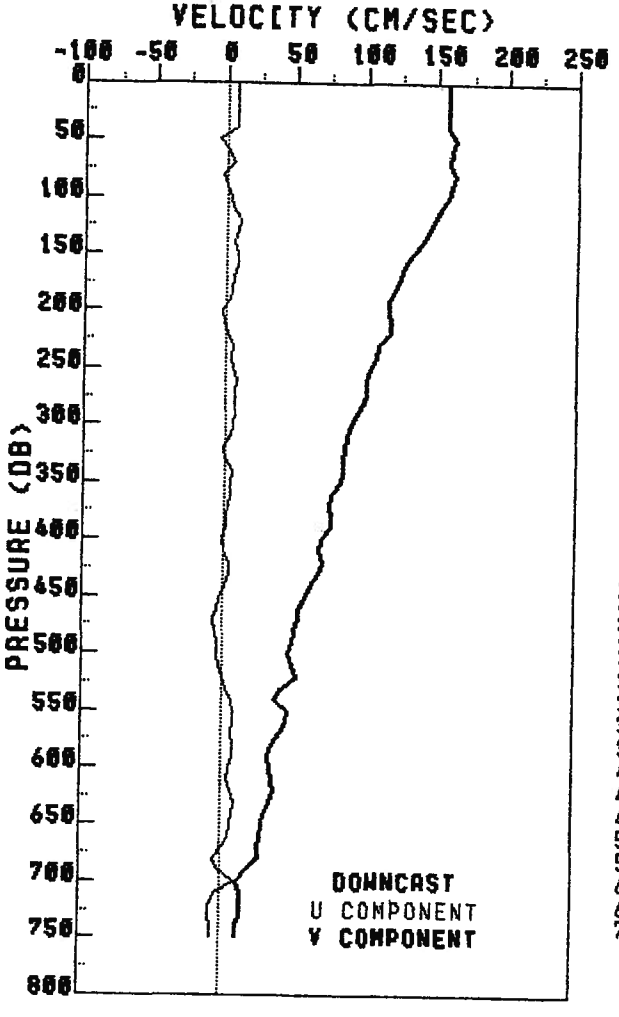


PRES	U	V
0	14.7	75.9
10	16.0	71.9
20	12.7	67.1
30	12.7	67.5
40	5.4	68.9
50	-10.1	71.6
60	-16.4	71.6
70	-18.6	68.3
80	-20.9	66.2
90	-16.6	66.0
100	-11.2	65.7
110	-20.0	65.9
120	-24.1	64.9
130	-14.5	66.9
140	-5.4	72.3
150	-5.9	68.2
160	-9.6	68.1
170	-9.6	67.8
180	-12.0	69.1
190	-11.2	68.9
200	-4.5	65.4
220	-2.7	60.9
240	-8.1	55.4
260	-5.8	57.6
280	-7.9	61.5
300	-10.9	52.6
320	-11.4	53.0
340	-14.9	51.0
360	-6.8	47.2
380	-7.3	46.1
400	-8.0	43.9
420	-5.3	45.4
470	-17.0	40.2

RES-STACS12-83 PEGASUS 129 STN 5

R/V RESEARCHER JDAY 347 TIME 0151Z

LATITUDE 27.00 N LONGITUDE 79.50 W

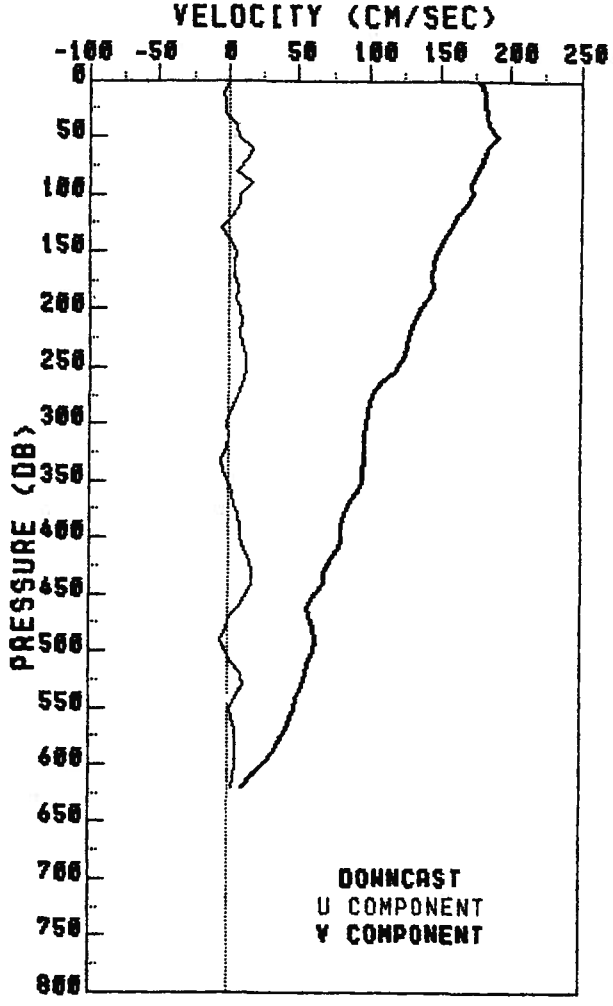


PRES	U	V
0	6.7	157.5
10	6.7	157.5
20	6.7	157.5
30	6.7	157.5
40	7.0	158.4
50	-4.6	163.5
60	1.7	160.5
70	6.3	158.6
80	-2.1	163.3
90	1.1	160.5
100	3.0	157.6
110	4.1	152.1
120	10.2	148.8
130	8.5	143.7
140	5.5	140.6
150	8.5	132.7
160	8.6	127.6
170	6.7	124.6
180	4.6	120.8
190	3.9	117.1
200	-1.8	116.9
220	1.9	118.4
240	4.8	109.0
260	9.2	102.3
280	6.7	100.4
300	5.8	90.6
320	-1.4	86.3
340	5.4	85.6
360	4.9	77.3
380	2.3	76.5
400	-1.3	70.6
420	4.5	71.4
470	-6.4	54.7
520	-0.1	53.9
570	7.4	42.7
620	7.5	38.4
670	1.9	27.7
720	-7.5	16.2

RES-STACS12-83 PEGASUS 130 STN 4

R/V RESEARCHER JDAY 347 TIME 0447Z

LATITUDE 26.98 N LONGITUDE 79.62 W

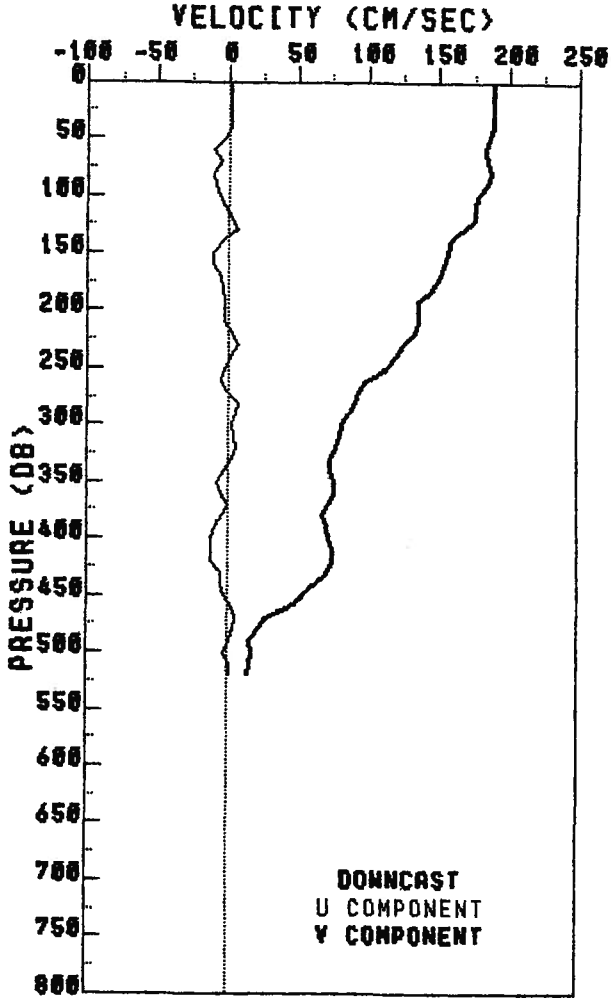


PRES	U	V
0	0.2	178.7
10	-3.6	182.3
20	-3.0	182.5
30	-2.3	182.9
40	6.0	185.4
50	7.7	191.1
60	16.7	183.0
70	12.6	181.0
80	5.0	176.7
90	16.7	172.6
100	8.1	173.4
110	8.3	170.0
120	2.8	163.2
130	-5.0	159.3
140	2.1	153.8
150	5.2	149.8
160	3.7	146.6
170	4.2	145.3
180	6.4	146.0
190	5.9	142.3
200	8.2	136.8
220	8.6	130.3
240	12.9	126.5
260	11.1	110.3
280	5.3	101.0
300	-1.1	99.2
320	-1.3	97.8
340	-3.2	96.4
360	3.1	91.4
380	7.3	83.5
400	7.8	81.1
420	15.8	73.0
470	1.5	58.6
520	9.2	56.5
570	5.1	42.3
620	3.1	10.9

RES-STACS12-83 PEGASUS 131 STN 3

R/V RESEARCHER JDAY 347 TIME 0633Z

LATITUDE 26.99 N LONGITUDE 79.69 W

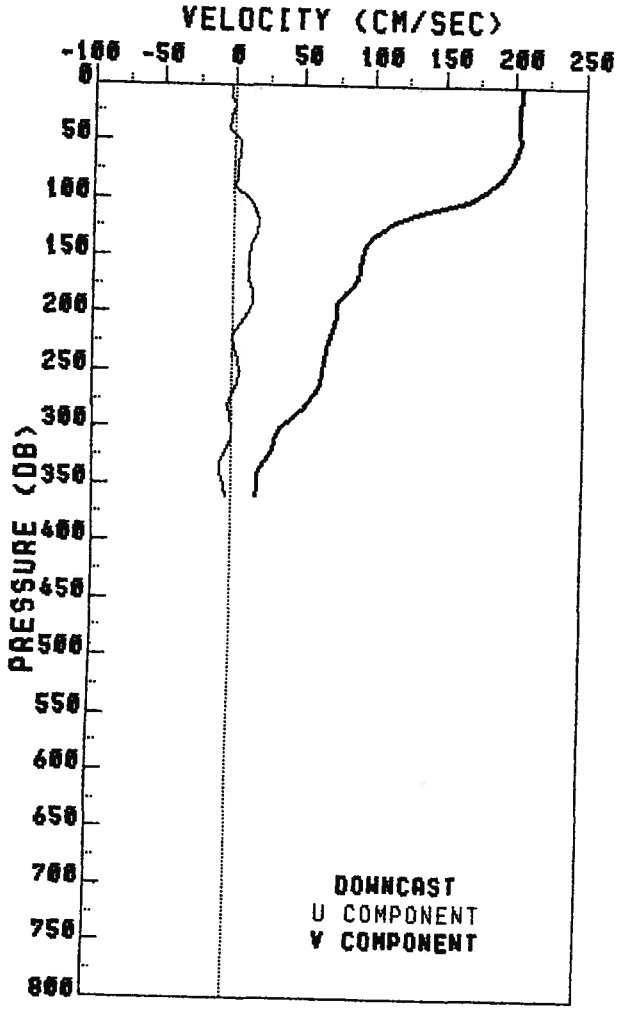


PRES	U	V
0	1.4	188.7
10	1.4	188.7
20	1.4	188.7
30	1.4	188.7
40	1.4	188.7
50	-2.8	185.9
60	-10.0	183.7
70	-5.3	184.9
80	-10.7	187.4
90	-9.1	184.8
100	-6.7	178.7
110	-2.4	177.1
120	3.8	176.3
130	7.7	166.9
140	-3.0	159.7
150	-10.4	157.1
160	-10.6	154.5
170	-5.6	152.1
180	-3.1	147.1
190	-1.8	137.8
200	-2.3	137.1
220	2.7	134.6
240	2.1	120.3
260	-4.7	100.9
280	6.7	92.7
300	3.5	82.7
320	6.2	78.8
340	-2.3	74.4
360	-5.3	77.5
380	-3.3	69.0
400	-12.0	73.2
420	-11.3	76.2
470	5.9	29.5
520	1.6	15.6

RES-STACS12-83 PEGASUS 132 STN 2

R/V RESEARCHER JDAY 347 TIME 0092Z

LATITUDE 26.99 N LONGITUDE 79.80 W

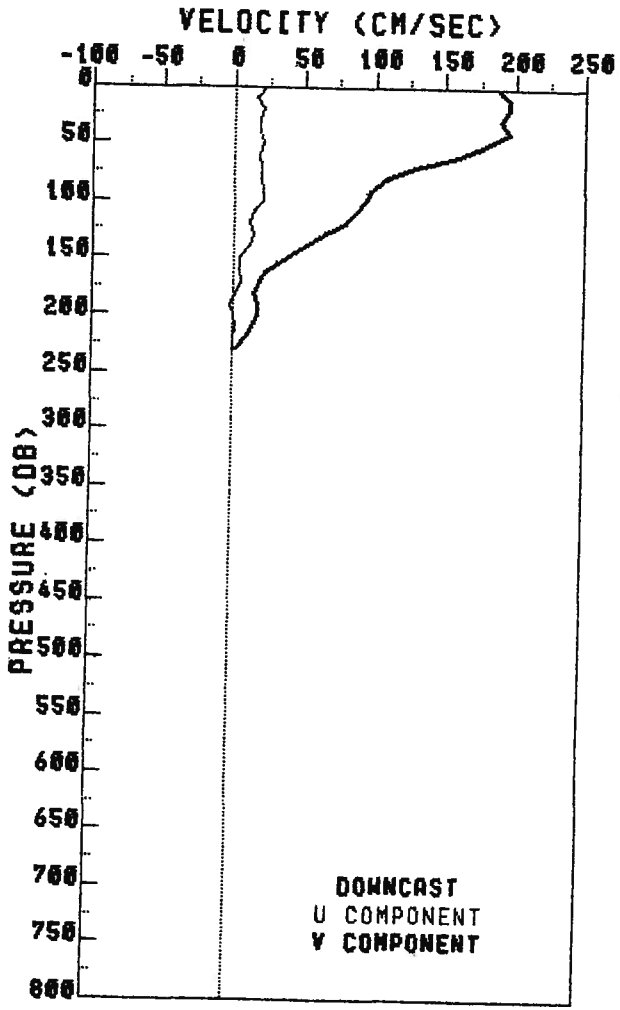


PRES	U	V
0	-2.5	205.8
10	-2.5	205.8
20	0.4	204.5
30	-2.3	204.5
40	-4.3	204.1
50	4.2	205.6
60	3.9	202.2
70	3.5	198.0
80	2.4	193.0
90	2.0	182.1
100	11.6	168.4
110	15.3	138.9
120	17.5	115.0
130	16.3	104.0
140	12.2	95.5
150	11.7	92.9
160	11.3	91.4
170	10.8	89.9
180	14.1	83.4
190	14.4	75.8
200	11.7	75.1
220	0.9	71.3
240	4.3	67.4
260	3.9	64.0
280	-2.9	53.3
300	0.7	35.8
320	-4.3	30.5
340	-8.1	19.4
360	-4.2	18.1

RES-STACS12-83 PEGASUS 133 STN 1

R/V RESEARCHER JDAY 347 TIME 1033Z

LATITUDE 27.00 N LONGITUDE 79.88 W

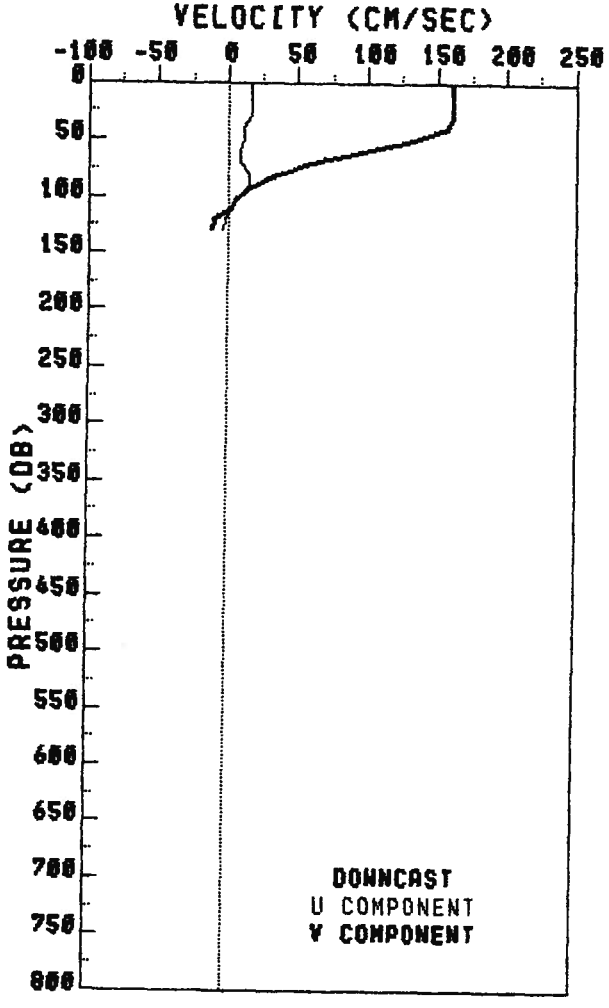


PRES	U	V
0	22.2	188.5
10	15.2	195.5
20	21.0	195.5
30	18.5	190.8
40	18.8	195.9
50	20.5	180.0
60	18.6	158.6
70	19.5	128.8
80	19.6	107.5
90	20.6	98.1
100	20.4	93.5
110	14.8	87.8
120	12.1	79.9
130	13.6	63.5
140	11.0	49.7
150	4.1	37.0
160	4.8	25.4
170	5.9	19.0
180	1.5	15.1
190	-2.0	18.7
200	0.5	18.0
220	1.1	9.9

RES-STACS12-83 PEGASUS 134 STN 0

R/V RESEARCHER JDAY 347 TIME 1149Z

LATITUDE 27.00 N LONGITUDE 79.94 W

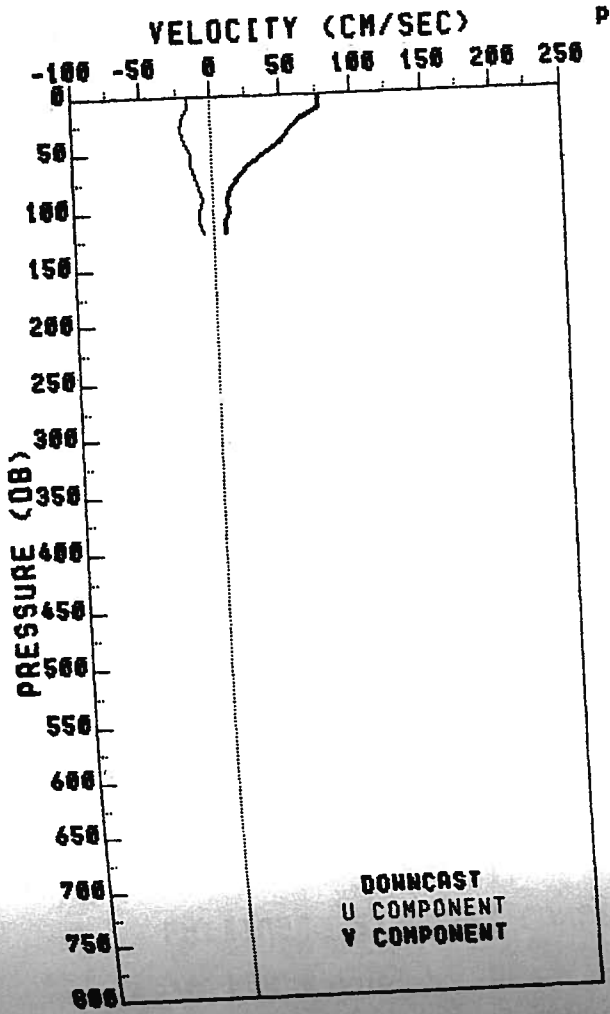


PRES	U	V
0	16.3	161.5
10	16.3	161.5
20	16.3	161.5
30	16.5	161.3
40	11.7	157.6
50	11.7	132.6
60	9.1	95.8
70	8.7	59.4
80	14.7	36.0
90	15.2	18.3
100	6.8	6.8
110	3.0	3.1
120	-2.6	-9.0
130	-3.3	-10.7

VK-STACS13-84 PEGASUS 001 STN 0

R/V VIRGINIA KEY JDAY 17 TIME 2056Z

LATITUDE 26.99 N LONGITUDE 79.94 W

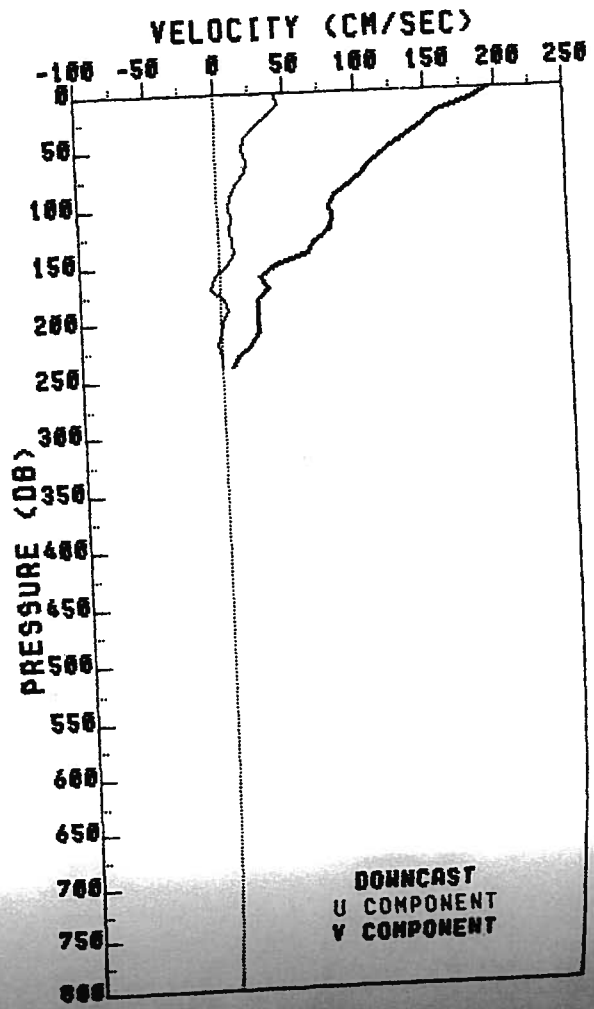


PRES	U	V
0	-16.8	77.8
10	-16.8	77.8
20	-20.9	66.5
30	-21.2	57.3
40	-19.3	51.0
50	-15.0	38.9
60	-14.2	28.1
70	-11.6	20.1
80	-8.8	14.6
90	-7.2	11.6
100	-9.0	12.8
110	-8.8	10.2
120	-6.3	10.3

VK-STACS13-84 PEGASUS 002 STN 1

R/V VIRGINIA KEY JDAY 17 TIME 2205Z

LATITUDE 27.00 N LONGITUDE 79.87 W

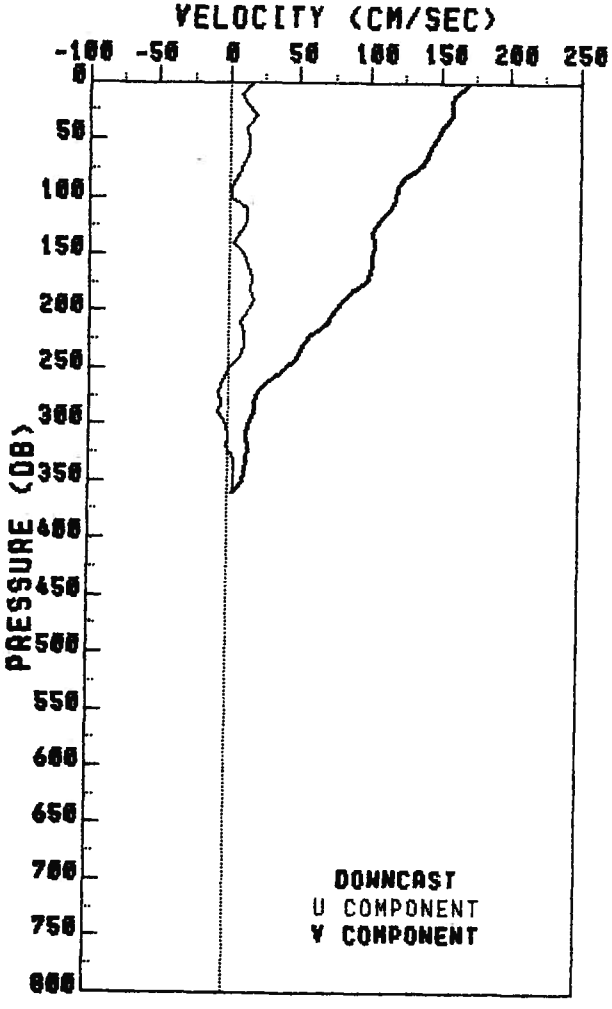


PRES	U	V
0	44.2	196.3
10	45.8	177.9
20	38.2	157.6
30	28.7	148.8
40	21.6	135.9
50	19.8	123.8
60	22.4	113.5
70	20.7	105.6
80	14.5	96.8
90	10.2	85.3
100	8.1	81.4
110	9.5	82.5
120	8.2	81.7
130	9.9	70.0
140	11.0	64.1
150	5.8	40.1
160	-3.4	28.9
170	-6.8	36.1
180	3.5	28.4
190	5.6	27.6
200	2.6	28.5
220	-1.9	21.9
240	-0.1	9.2

VK-STACS13-84 PEGASUS 003 STN 2

R/V VIRGINIA KEY JDAY 17 TIME 2342Z

LATITUDE 26.98 N LONGITUDE 79.79 W

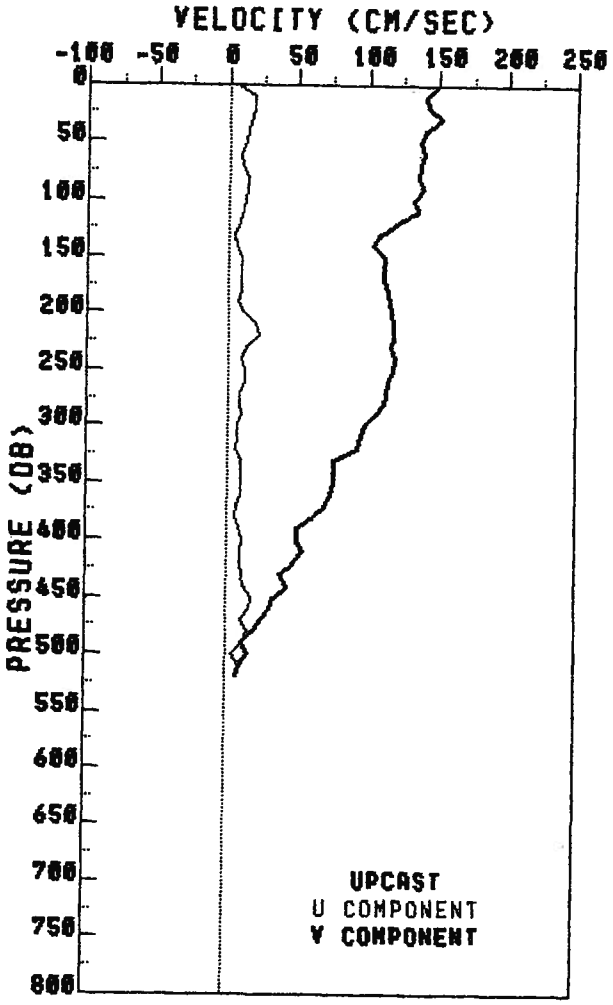


PRES	U	V
0	16.6	170.4
10	8.9	160.3
20	12.8	158.2
30	18.7	159.5
40	11.9	151.4
50	13.5	148.0
60	13.6	142.9
70	9.1	137.7
80	6.7	127.4
90	1.7	119.9
100	1.5	119.1
110	11.9	116.1
120	12.4	108.3
130	8.5	103.0
140	3.2	104.8
150	10.6	102.2
160	14.1	102.5
170	16.2	99.9
180	15.6	89.8
190	17.9	82.4
200	13.8	77.4
220	11.4	60.9
240	8.1	48.8
260	-4.2	30.3
280	-4.8	19.4
300	-1.0	15.5
320	-0.7	14.7
340	3.8	12.8
360	3.9	4.4

VK-STACS13-84 PEGASUS 004 STN 3

R/V VIRGINIA KEY JDAY 18 TIME 0127Z

LATITUDE 26.99 N LONGITUDE 79.68 W

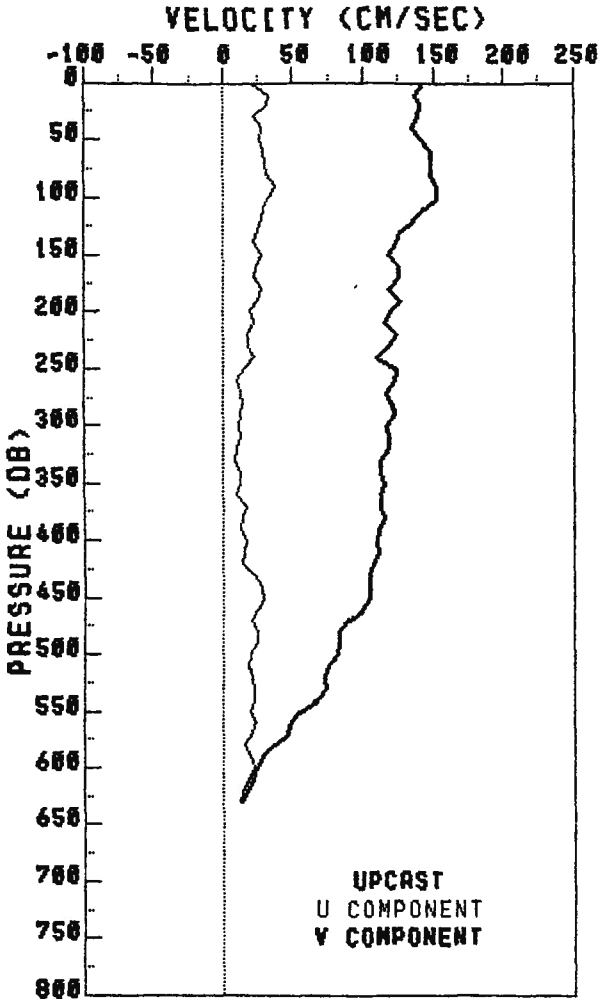


PRES	U	V
0	6.2	149.1
10	18.5	140.9
20	18.8	143.3
30	16.6	152.7
40	13.7	141.4
50	13.4	136.9
60	9.1	139.6
70	9.7	137.6
80	14.6	136.2
90	14.0	139.4
100	13.5	133.7
110	11.7	136.0
120	8.1	122.5
130	4.3	110.2
140	6.7	104.6
150	10.5	113.0
160	10.5	113.0
170	10.5	113.0
180	10.3	115.1
190	7.7	117.0
200	11.4	118.6
220	22.2	119.1
240	10.4	120.7
260	13.0	115.2
280	9.1	112.6
300	7.3	98.7
320	6.4	94.1
340	10.5	77.0
360	10.1	74.3
380	6.4	62.5
400	11.4	50.8
420	10.5	48.6
470	12.1	26.0
520	9.3	8.3

VK-STACS13-84 PEGASUS 005 STN 4

R/V VIRGINIA KEY JDAY 18 TIME 0314Z

LATITUDE 26.97 N LONGITUDE 79.61 W

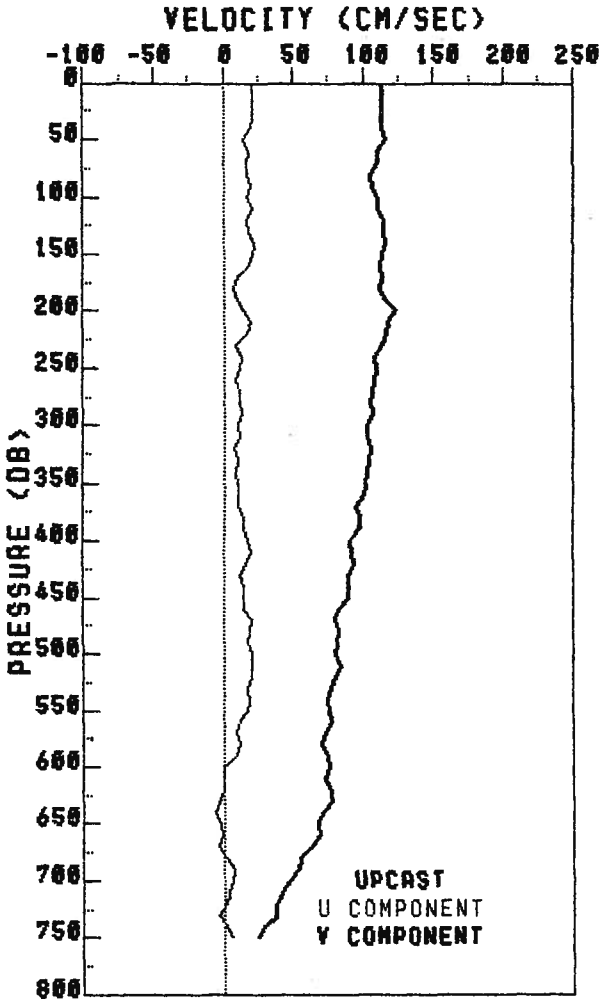


PRES	U	V
0	20.3	143.6
10	32.7	138.5
20	31.6	140.8
30	22.2	139.6
40	27.6	135.0
50	26.6	142.2
60	29.0	149.6
70	29.7	149.5
80	31.0	149.5
90	36.6	153.1
100	32.9	153.0
110	29.4	145.2
120	27.5	136.6
130	25.0	127.9
140	21.8	124.3
150	27.8	119.6
160	24.1	125.5
170	21.5	125.4
180	28.1	119.1
190	25.2	127.0
200	19.8	120.5
220	17.6	124.4
240	22.0	110.5
260	9.2	123.7
280	14.1	121.3
300	10.8	118.2
320	9.7	119.7
340	12.4	114.1
360	10.3	114.2
380	14.5	115.9
400	16.6	110.7
420	14.2	108.5
470	20.1	91.1
520	20.4	72.9
570	21.0	46.9
620	14.0	18.2

VK-STACS13-84 PEGASUS 006 STN 5

R/V VIRGINIA KEY JDAY 18 TIME 0529Z

LATITUDE 26.99 N LONGITUDE 79.50 W

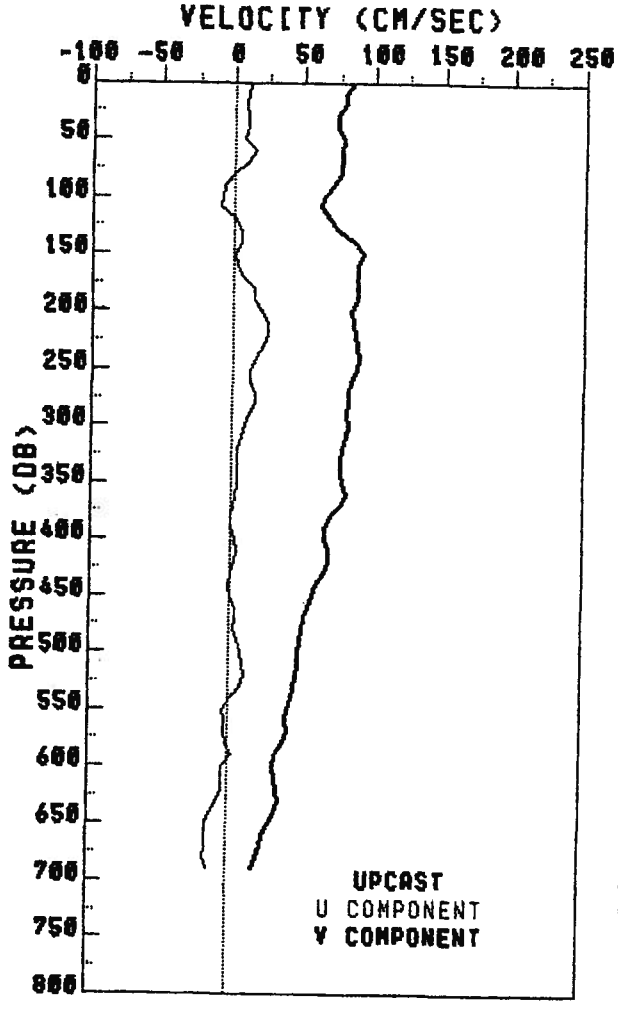


PRES	U	V
0	20.6	114.3
10	20.6	114.3
20	20.6	114.3
30	20.6	114.3
40	20.1	114.1
50	14.4	116.3
60	18.1	110.7
70	16.6	110.7
80	16.4	105.1
90	20.2	107.0
100	16.9	111.7
110	21.0	111.7
120	17.4	114.8
130	18.1	115.1
140	22.9	117.0
150	20.8	113.4
160	18.6	112.9
170	10.8	113.9
180	6.9	112.2
190	9.9	117.4
200	13.6	122.9
220	17.2	117.3
240	12.3	108.1
260	8.9	108.2
280	11.6	106.3
300	10.5	103.1
320	7.1	105.3
340	8.9	102.5
360	10.0	99.8
380	13.6	97.5
400	16.6	91.3
420	15.0	93.9
470	19.5	79.4
520	19.1	79.3
570	8.2	73.0
620	0.8	77.1
670	-3.7	62.9
720	2.0	37.9

VK-STACS13-84 PEGASUS 007 STN 6

R/V VIRGINIA KEY JDAY 18 TIME 0834Z

LATITUDE 27.00 N LONGITUDE 79.37 W

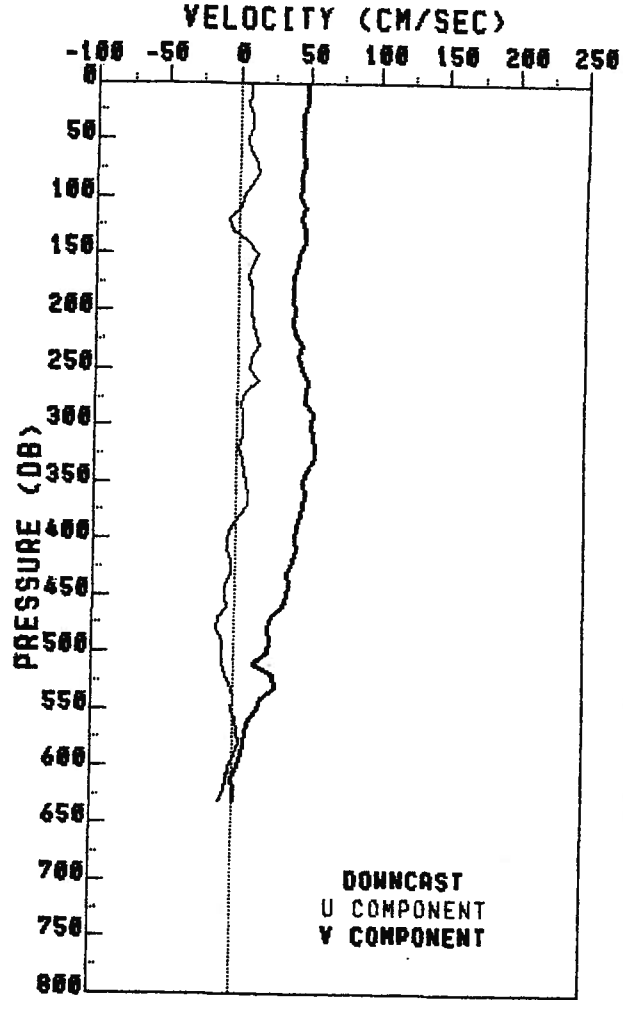


PRES	U	V
0	11.7	85.5
10	10.4	79.2
20	8.5	79.5
30	10.1	74.3
40	9.3	74.3
50	7.2	77.5
60	14.6	77.0
70	9.9	76.6
80	0.3	76.7
90	-6.7	71.6
100	-8.4	64.3
110	-9.1	63.3
120	1.1	68.5
130	5.8	75.8
140	5.8	87.0
150	2.0	92.8
160	2.3	89.4
170	7.2	89.3
180	15.8	89.2
190	15.8	89.1
200	21.4	84.6
220	24.6	87.7
240	17.1	90.1
260	12.0	84.6
280	16.9	83.2
300	9.9	83.4
320	4.9	79.8
340	4.5	78.3
360	2.6	81.8
380	-0.1	71.8
400	3.0	67.7
420	3.4	70.4
470	3.7	53.3
520	10.9	48.4
570	-2.5	42.6
620	-4.1	36.2
670	-15.0	24.3

VK-STACS13-84 PEGASUS 008 STN 7

R/V VIRGINIA KEY JDAY 18 TIME 1037Z

LATITUDE 26.99 N LONGITUDE 79.28 W

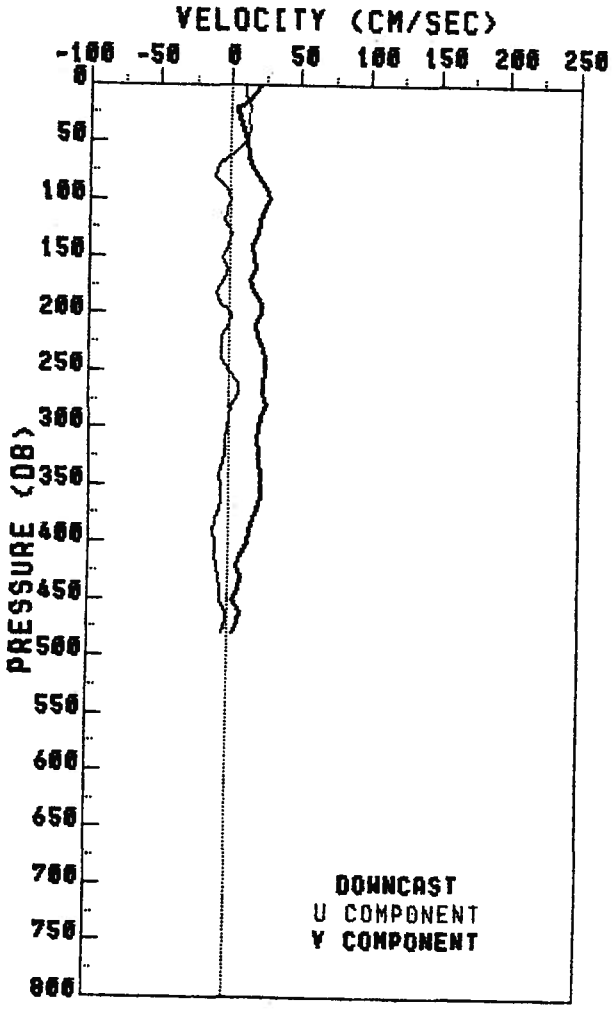


PRES	U	V
0	7.3	48.6
10	7.3	48.6
20	6.7	48.4
30	8.4	45.9
40	8.7	45.9
50	6.3	45.4
60	6.8	46.0
70	12.6	47.4
80	14.1	45.7
90	8.8	45.9
100	3.5	44.5
110	2.2	48.0
120	-6.5	46.0
130	-3.2	49.1
140	7.9	48.2
150	13.9	44.8
160	10.7	43.3
170	7.4	39.8
180	9.9	40.1
190	10.4	40.4
200	10.2	41.1
220	13.3	41.9
240	10.4	44.6
260	16.0	51.2
280	3.3	50.0
300	5.2	53.9
320	2.0	56.5
340	6.6	51.6
360	8.7	49.4
380	2.9	46.4
400	-4.9	42.5
420	-1.8	41.4
470	-10.2	27.9
520	-5.0	29.1
570	3.8	9.8
620	-5.1	1.5

VK-STACS13-84 PEGASUS 009 STN 8

R/V VIRGINIA KEY JDAY 18 TIME 1333Z

LATITUDE 27.00 N LONGITUDE 79.19 W

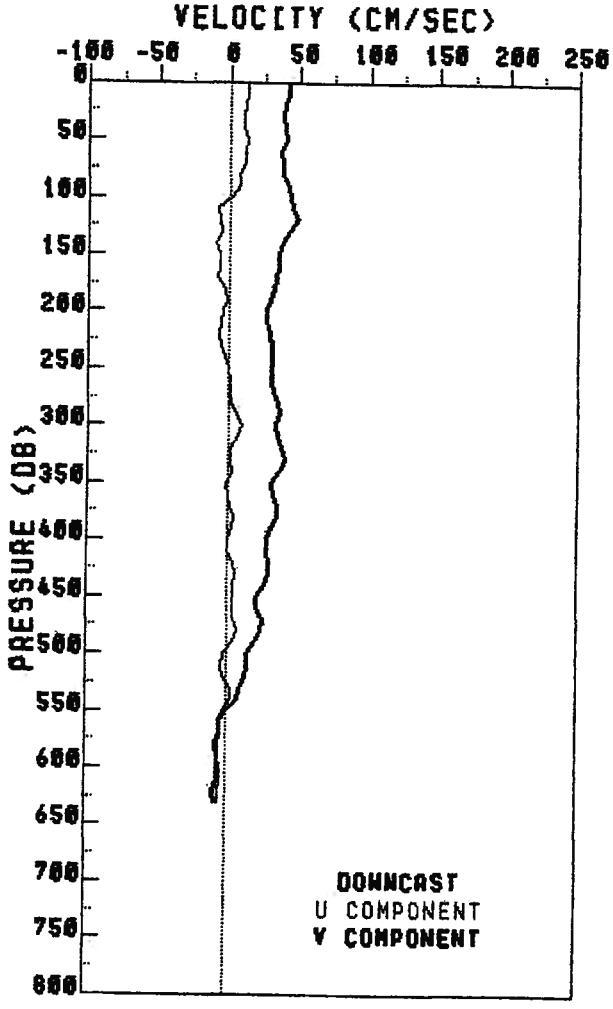


PRES	U	V
0	9.6	21.5
10	10.1	15.4
20	13.3	5.8
30	12.7	7.7
40	13.3	10.2
50	11.2	12.3
60	3.1	14.2
70	-8.2	15.8
80	-10.1	20.3
90	-3.2	26.8
100	0.6	29.1
110	-2.3	24.8
120	-4.4	22.1
130	1.4	20.5
140	-0.7	17.0
150	-5.3	18.4
160	-0.9	19.1
170	-3.7	14.9
180	-8.8	17.7
190	-6.0	23.3
200	1.7	23.1
220	-4.8	20.4
240	-5.6	26.6
260	6.5	24.6
280	1.6	26.9
300	-1.3	21.4
320	-2.3	21.9
340	-6.8	23.0
360	-4.6	23.0
380	-9.3	17.6
400	-8.8	13.4
420	-7.3	7.1
470	-0.6	8.6

VK-STACS13-84 PEGASUS 010 STN 7

R/V VIRGINIA KEY JDAY 18 TIME 1557Z

LATITUDE 26.99 N LONGITUDE 79.29 W

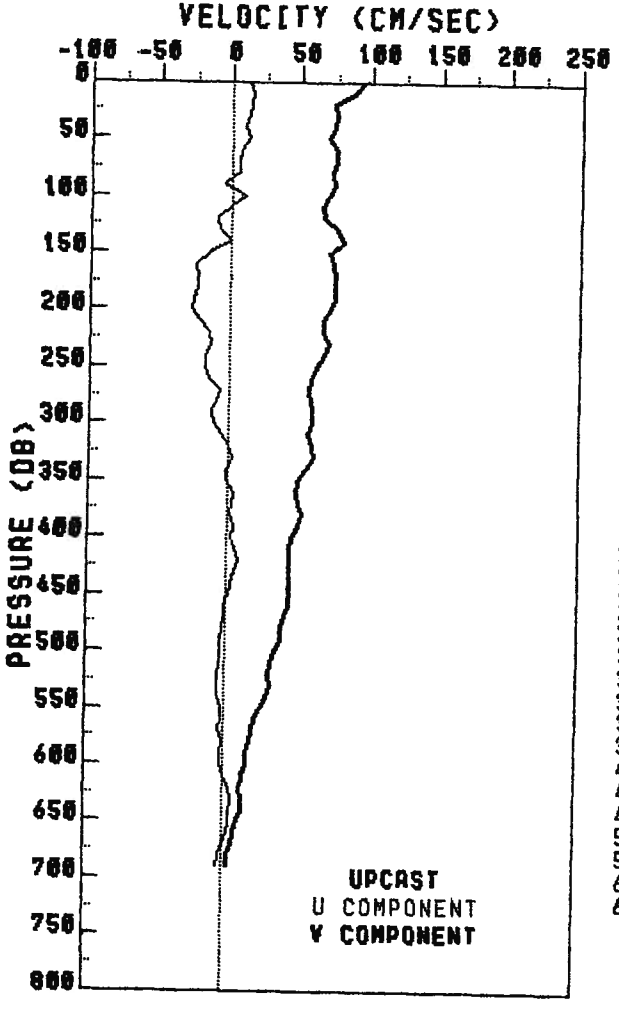


PRES	U	V
0	12.6	42.6
10	12.6	42.6
20	11.4	39.8
30	9.6	38.2
40	10.3	39.8
50	12.9	41.0
60	12.0	36.9
70	10.9	38.8
80	7.5	39.2
90	7.4	43.0
100	1.6	44.4
110	-7.7	45.4
120	-6.1	49.6
130	-5.5	44.5
140	-9.6	38.6
150	-6.4	35.4
160	-5.7	36.6
170	-7.1	34.4
180	-2.0	33.9
190	-0.3	30.5
200	-3.5	27.3
220	-6.1	30.4
240	-1.8	31.4
260	1.6	32.0
280	2.3	36.3
300	10.3	34.5
320	1.8	39.4
340	3.4	37.4
360	0.4	33.0
380	4.6	35.7
400	0.3	29.7
420	4.0	30.0
470	4.0	27.0
520	-2.3	13.5
570	-4.1	-3.5
620	-5.1	-8.3

VK-STACS13-84 PEGASUS 011 STN 6

R/V VIRGINIA KEY JDAY 18 TIME 1757Z

LATITUDE 26.99 N LONGITUDE 79.37 W

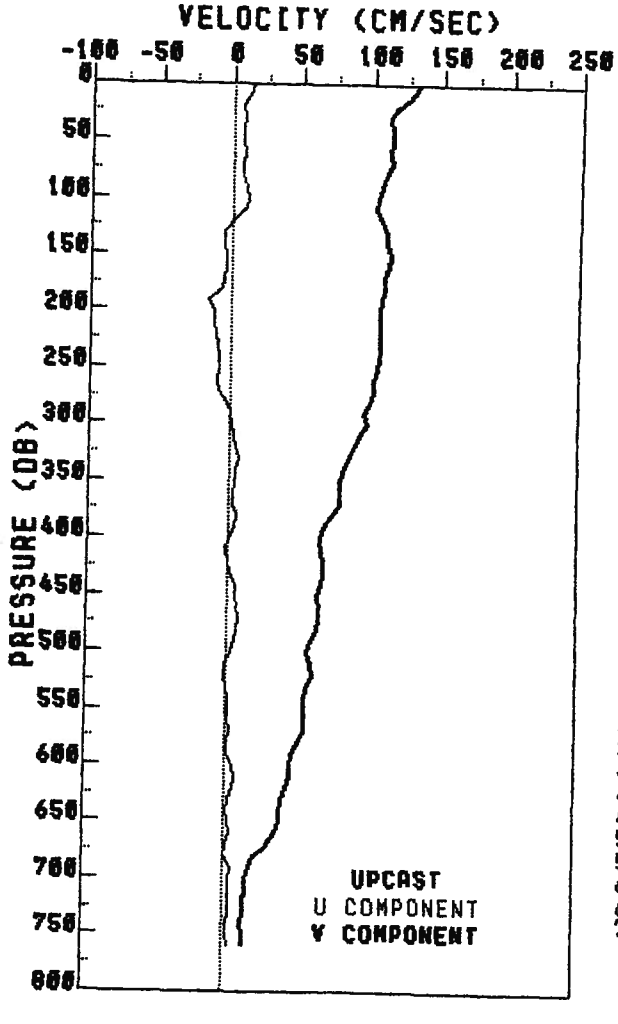


PRES	U	V
0	12.5	95.1
10	14.7	87.1
20	14.1	73.8
30	12.2	75.4
40	9.7	73.8
50	11.9	70.5
60	7.5	75.5
70	6.2	75.3
80	5.1	72.8
90	-4.6	74.3
100	10.9	69.9
110	0.1	66.0
120	-9.4	67.6
130	-7.3	76.9
140	-0.1	80.2
150	-15.0	71.6
160	-24.6	73.5
170	-22.7	76.1
180	-23.2	75.8
190	-25.4	75.3
200	-27.8	72.6
220	-14.9	67.1
240	-18.0	68.9
260	-15.4	58.7
280	-9.6	59.4
300	-10.4	60.5
320	0.4	60.6
340	-1.3	56.8
360	4.9	49.6
380	2.1	53.3
400	2.3	47.1
420	8.9	45.5
470	-0.6	42.8
520	-5.1	32.2
570	-3.4	20.4
620	4.9	12.1
670	0.2	6.7

VK-STACS13-84 PEGASUS 012 STN 5

R/V VIRGINIA KEY JDAY 18 TIME 2014Z

LATITUDE 26.99 N LONGITUDE 79.49 W

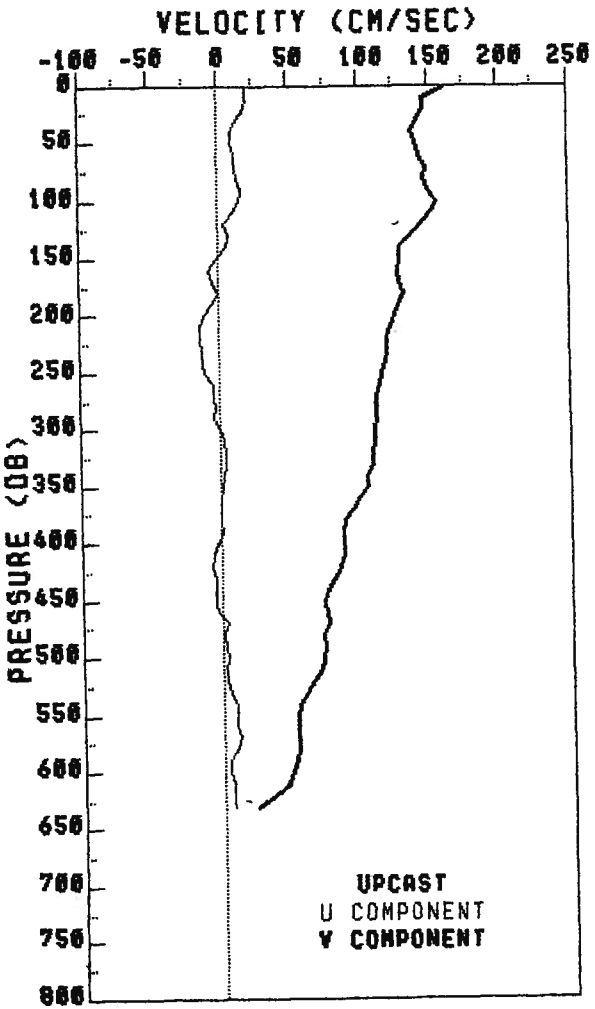


PRES	U	V
0	13.8	132.6
10	11.4	126.8
20	7.2	118.3
30	8.8	112.0
40	7.3	114.0
50	7.4	114.6
60	8.5	112.6
70	6.9	113.6
80	8.0	109.8
90	9.9	107.8
100	11.8	104.7
110	9.5	102.7
120	2.6	107.6
130	-5.4	110.6
140	-4.5	110.6
150	-3.7	113.6
160	-4.0	112.0
170	-4.3	109.5
180	-6.4	110.3
190	-15.4	108.5
200	-11.8	106.7
220	-10.8	107.3
240	-8.0	106.6
260	-9.0	103.5
280	-2.9	100.3
300	2.1	99.1
320	4.3	89.9
340	5.2	81.7
360	2.7	80.1
380	5.4	74.9
400	1.2	66.7
420	0.1	69.2
470	8.2	65.8
520	-1.4	61.5
570	2.9	56.8
620	6.5	44.3
670	1.8	31.4
720	4.3	15.7

VK-STACS13-84 PEGASUS 013 STN 4

R/V VIRGINIA KEY JDAY 18 TIME 2303Z

LATITUDE 26.97 N LONGITUDE 79.61 W

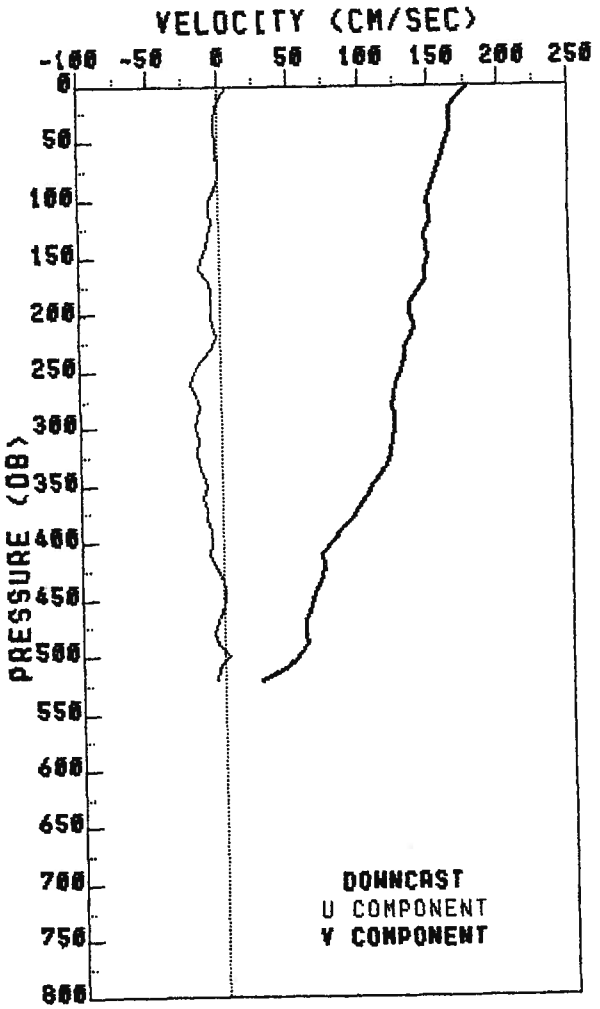


PRES	U	V
0	20.9	162.5
10	20.9	148.5
20	19.5	148.1
30	13.8	143.8
40	9.4	140.2
50	9.9	142.3
60	12.7	145.4
70	12.7	148.8
80	13.4	148.5
90	16.5	150.9
100	15.3	157.7
110	11.4	152.9
120	4.3	146.2
130	6.5	137.7
140	5.4	129.7
150	-1.4	129.8
160	-7.2	128.8
170	-3.2	130.1
180	0.2	132.3
190	-5.0	128.4
200	-10.5	126.1
220	-12.9	120.9
240	-12.0	119.4
260	-3.9	114.5
280	-3.1	112.6
300	0.2	110.3
320	4.1	109.5
340	2.6	106.2
360	0.4	98.9
380	0.6	89.1
400	-2.1	87.1
420	-6.0	84.8
470	4.6	76.8
520	2.5	66.3
570	11.9	53.6
620	7.5	36.0

VK-STACS13-84 PEGASUS 014 STN 3

R/V VIRGINIA KEY JDAY 19 TIME 0058Z

LATITUDE 26.99 N LONGITUDE 79.68 W

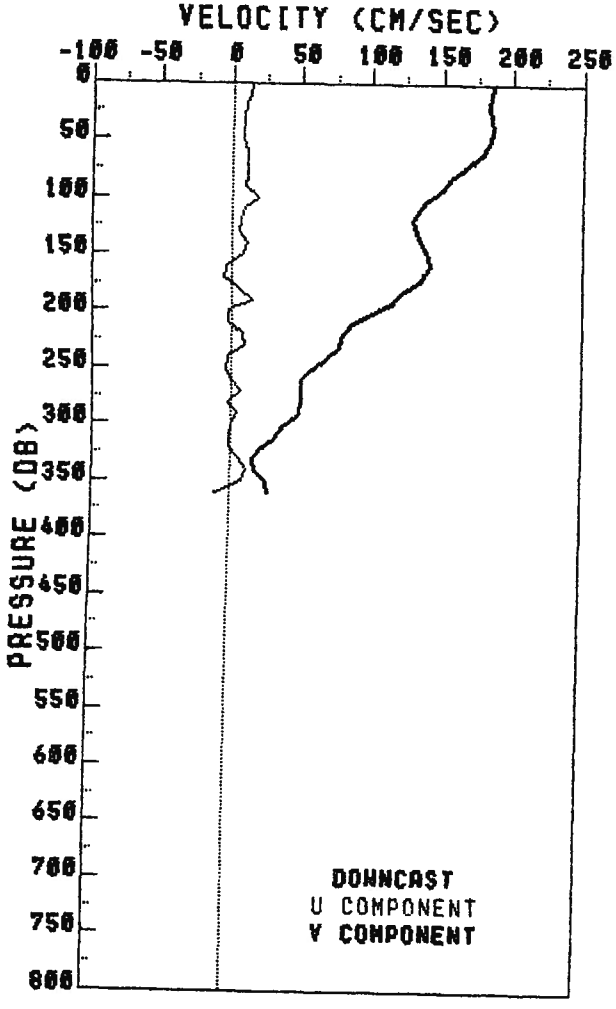


PRES	U	V
0	7.3	179.1
10	2.1	171.0
20	-1.2	166.4
30	-2.8	165.4
40	-1.6	166.0
50	-0.9	163.4
60	-0.9	159.9
70	0.1	157.4
80	0.2	155.2
90	-2.5	152.1
100	-6.1	149.7
110	-6.2	151.4
120	-4.8	151.6
130	-8.0	146.9
140	-8.7	148.0
150	-13.8	149.1
160	-13.8	147.4
170	-7.1	147.1
180	-6.1	141.8
190	-6.4	135.7
200	-6.8	135.8
220	-2.5	136.8
240	-13.0	131.9
260	-21.3	124.6
280	-14.0	122.7
300	-16.2	123.8
320	-17.0	120.6
340	-13.0	113.8
360	-13.2	103.2
380	-9.7	92.9
400	-8.1	78.2
420	-5.0	72.6
470	-3.3	59.1
520	-5.5	27.0

VK-STACS13-84 PEGASUS 015 STN 2

R/V VIRGINIA KEY JDAY 19 TIME 0300Z

LATITUDE 26.98 N LONGITUDE 79.79 W

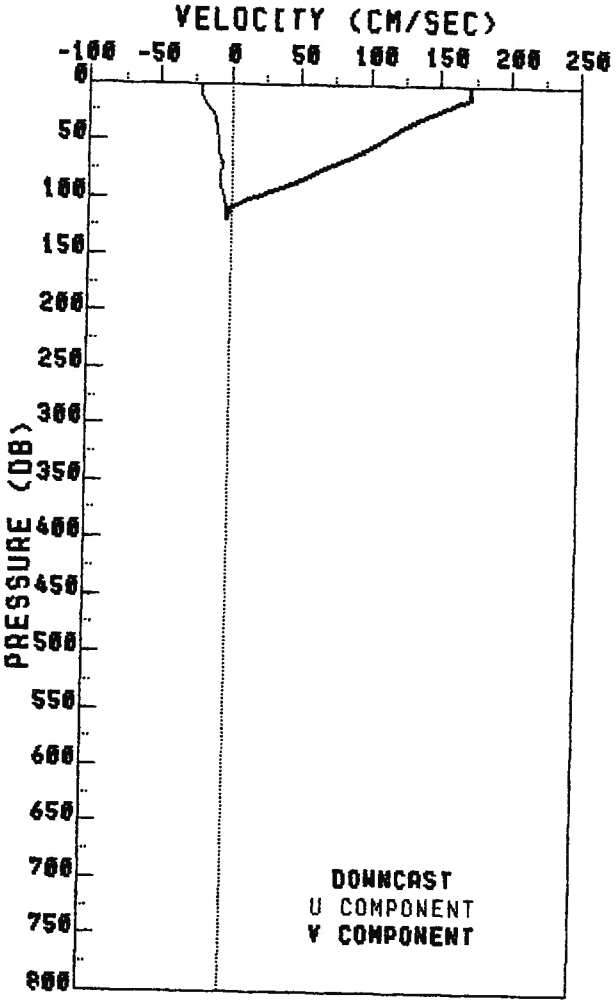


PRES	U	V
0	14.1	185.6
10	12.7	184.7
20	10.1	183.4
30	9.1	184.3
40	8.3	186.0
50	9.1	184.9
60	10.9	179.8
70	10.9	168.0
80	10.6	159.2
90	9.4	152.4
100	20.0	140.6
110	10.4	135.3
120	6.8	129.7
130	6.1	132.5
140	11.0	137.1
150	8.4	141.1
160	-3.2	142.3
170	-5.2	136.9
180	5.5	124.3
190	15.6	116.9
200	-2.1	103.5
220	8.4	80.5
240	-2.0	68.9
260	0.0	50.8
280	-2.2	51.0
300	0.9	39.6
320	-0.9	23.0
340	10.6	17.8
360	-10.1	27.7

VK-STACS13-84 PEGASUS 017 STN 0

R/V VIRGINIA KEY JDAY 19 TIME 0606Z

LATITUDE 26.99 N LONGITUDE 79.93 W

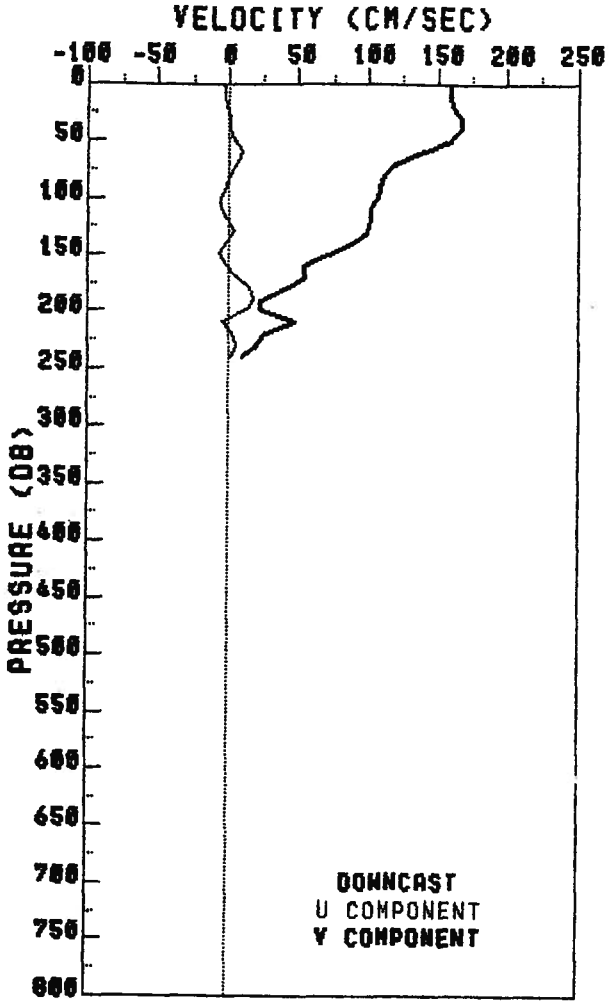


PRES	U	V
0	-21.3	171.5
10	-21.4	171.3
20	-17.9	155.6
30	-12.3	136.2
40	-10.2	120.0
50	-8.5	106.8
60	-9.5	92.4
70	-6.6	73.4
80	-7.0	55.9
90	-7.4	36.5
100	-5.3	13.2
110	-4.0	-0.9
120	-3.2	-2.1

VK-STACS13-84 PEGASUS 018 STN 1

R/V VIRGINIA KEY JDAY 19 TIME 0654Z

LATITUDE 26.99 N LONGITUDE 79.86 W

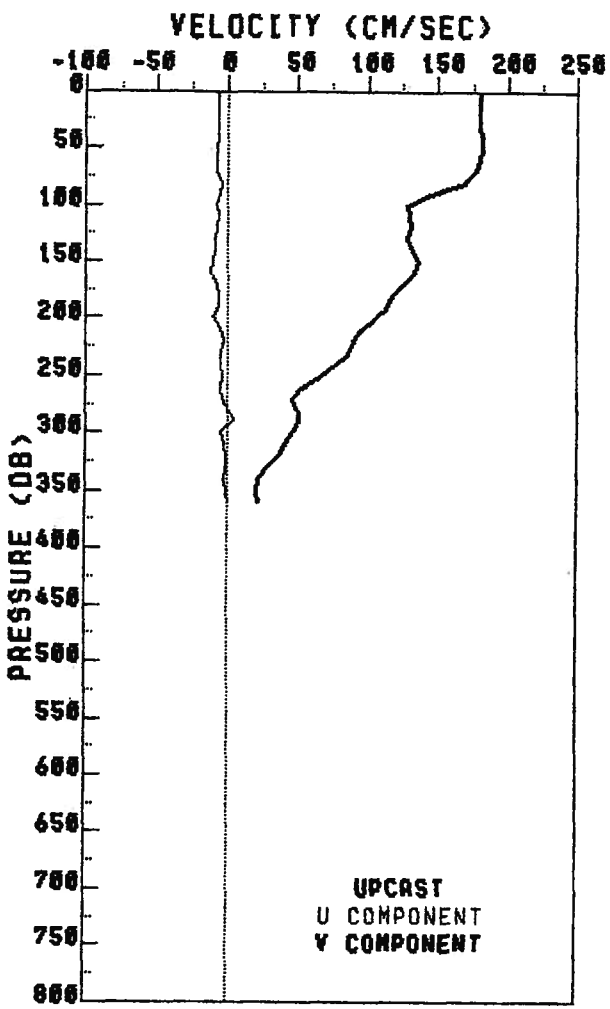


PRES	U	V
0	-2.8	159.9
10	-2.8	159.9
20	-0.8	161.3
30	1.2	168.7
40	1.6	167.9
50	4.8	159.6
60	9.7	137.1
70	7.7	120.3
80	1.8	112.1
90	-1.1	109.1
100	-4.7	107.9
110	-5.3	102.4
120	-0.8	103.3
130	4.3	99.7
140	-1.6	89.5
150	-6.1	71.9
160	-1.1	55.5
170	6.1	55.3
180	15.7	41.8
190	17.8	23.0
200	13.5	23.6
220	3.5	27.4
240	1.5	9.4

VK-STACS13-84 PEGASUS 019 STN 2

R/V VIRGINIA KEY JDAY 19 TIME 0804Z

LATITUDE 26.98 N LONGITUDE 79.79 W

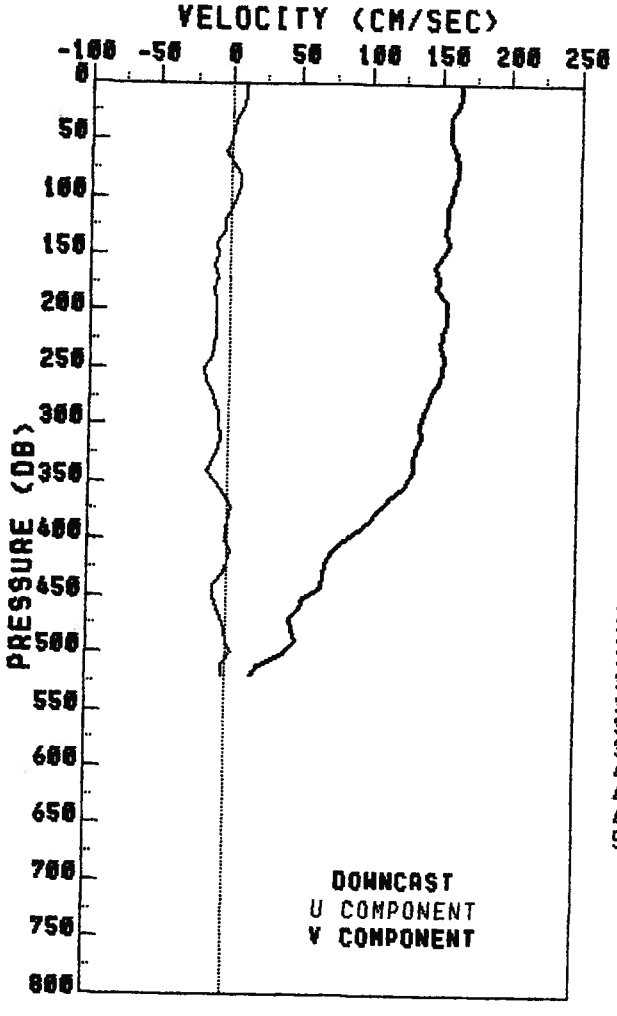


PRES	U	V
0	-6.9	180.9
10	-6.9	180.9
20	-6.9	180.9
30	-6.9	180.9
40	-6.0	181.7
50	-7.4	181.9
60	-7.4	181.3
70	-7.9	178.0
80	-4.1	169.7
90	-4.3	145.8
100	-7.9	129.5
110	-6.0	130.9
120	-7.3	131.5
130	-8.9	129.6
140	-8.7	133.3
150	-10.6	137.0
160	-11.8	135.0
170	-7.3	126.4
180	-6.0	118.2
190	-6.1	113.6
200	-10.6	106.0
220	-1.6	91.1
240	-5.3	76.8
260	-5.1	53.2
280	2.5	51.7
300	-5.1	47.3
320	-1.1	37.3
340	-1.9	21.9
360	0.2	21.9

VK-STACS13-84 PEGASUS 020 STN 3

R/V VIRGINIA KEY JDAY 19 TIME 0941Z

LATITUDE 26.99 N LONGITUDE 79.68 W

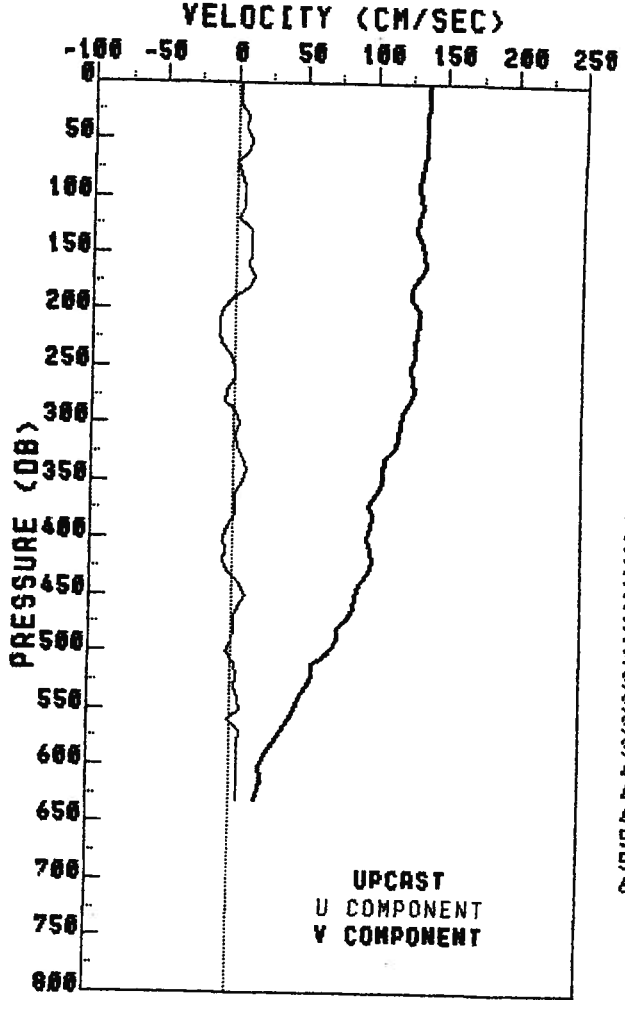


PRES	U	V
0	10.1	163.8
10	9.3	163.9
20	8.7	163.3
30	4.1	157.7
40	1.7	157.6
50	0.0	157.3
60	-3.5	161.4
70	2.1	163.4
80	6.4	162.4
90	7.7	160.4
100	4.6	158.2
110	1.7	156.5
120	-3.7	155.5
130	-4.1	154.8
140	-9.6	157.4
150	-7.9	153.4
160	-10.0	147.5
170	-8.3	150.2
180	-10.1	149.0
190	-9.5	156.2
200	-9.5	156.2
220	-9.4	153.1
240	-11.8	154.6
260	-15.6	151.7
280	-8.7	144.3
300	-6.8	137.9
320	-7.1	136.0
340	-14.9	134.8
360	-3.2	119.6
380	1.5	105.7
400	-1.3	85.2
420	0.6	71.2
470	-3.5	46.4
520	-2.3	18.9

VK-STACS13-84 PEGASUS 021 STN 4

R/V VIRGINIA KEY JDAY 19 TIME 1209Z

LATITUDE 26.97 N LONGITUDE 79.61 W

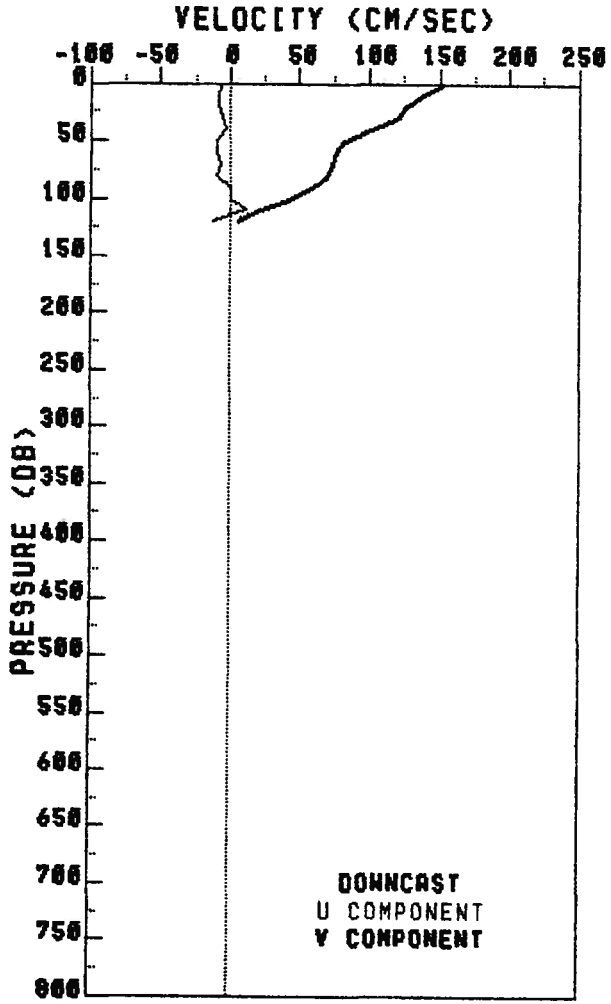


PRES	U	V
0	1.9	137.6
10	1.9	137.6
20	2.1	137.1
30	7.3	135.4
40	5.4	135.3
50	10.2	135.6
60	9.1	135.4
70	1.2	134.9
80	2.7	133.3
90	6.2	132.3
100	5.8	133.7
110	5.6	133.9
120	2.0	132.0
130	11.9	130.3
140	11.6	134.4
150	11.2	135.9
160	10.6	137.1
170	13.8	132.9
180	10.3	127.0
190	-1.7	128.1
200	-7.9	132.7
220	-10.1	132.0
240	-2.1	130.2
260	0.7	128.5
280	-6.4	126.5
300	5.2	120.3
320	2.8	117.8
340	9.8	108.5
360	2.3	104.2
380	1.4	101.2
400	-6.2	97.5
420	-6.6	102.3
470	1.8	85.0
520	5.3	59.0
570	7.2	36.8
620	5.4	22.8

VK-STACS13-84 PEGASUS 022 STN 0

R/V VIRGINIA KEY JDAY 25 TIME 1948Z

LATITUDE 26.99 N LONGITUDE 79.93 W

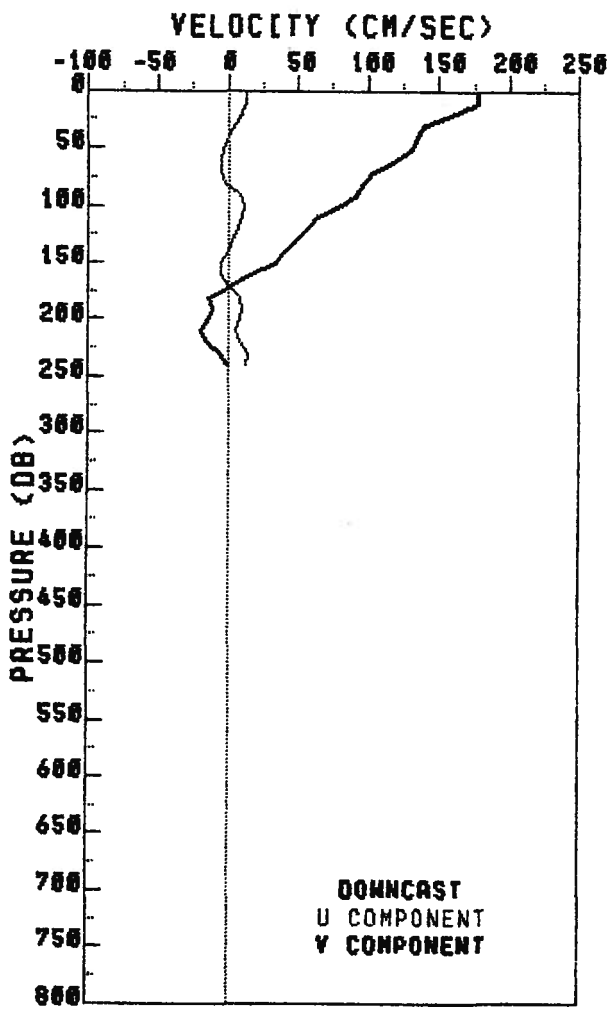


PRES	U	V
0	-6.7	151.6
10	-8.1	137.4
20	-7.6	126.7
30	-5.0	121.6
40	-2.7	101.3
50	-9.9	82.5
60	-9.1	76.7
70	-6.9	73.7
80	-9.4	69.6
90	0.2	58.4
100	0.7	43.0
110	10.8	21.9
120	-12.0	5.9

VK-STACS13-84 PEGASUS 023 STN 1

R/V VIRGINIA KEY JDAY 25 TIME 2045Z

LATITUDE 26.99 N LONGITUDE 79.87 W

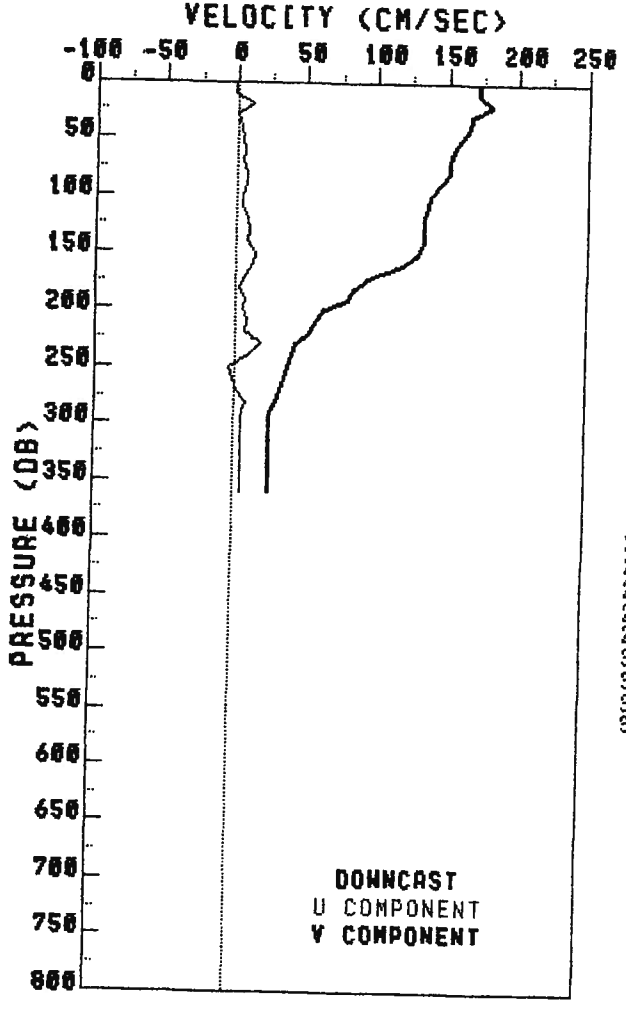


PRES	U	V
0	12.8	178.1
10	12.8	178.1
20	10.5	161.2
30	5.5	141.0
40	0.6	135.2
50	-3.2	131.2
60	-5.1	119.2
70	-5.2	103.9
80	-2.6	97.1
90	8.2	92.0
100	11.2	78.9
110	10.4	65.3
120	7.7	58.0
130	3.8	49.6
140	0.2	41.7
150	-5.3	35.4
160	-4.9	15.2
170	0.3	1.9
180	8.1	-12.5
190	9.4	-10.9
200	8.6	-12.7
220	8.3	-15.2
240	13.3	0.1

VK-STACS13-84 PEGASUS 024 STN 2

R/V VIRGINIA KEY JDAY 25 TIME 2156Z

LATITUDE 26.98 N LONGITUDE 79.79 W

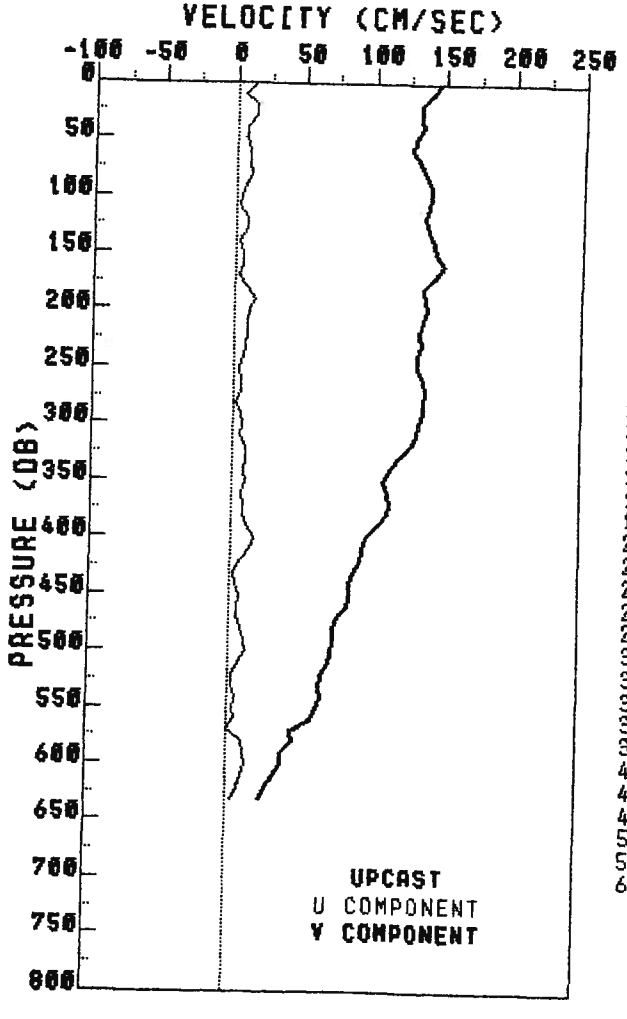


PRES	U	V
0	-1.1	172.1
10	-1.5	171.8
20	10.9	180.3
30	0.3	167.6
40	2.8	165.0
50	4.3	159.8
60	5.2	154.4
70	4.0	151.6
80	6.7	152.3
90	6.9	145.3
100	4.6	138.8
110	3.7	136.9
120	8.9	134.8
130	9.7	134.7
140	8.5	133.9
150	13.6	130.0
160	12.9	119.4
170	7.5	97.4
180	2.3	86.6
190	6.7	81.1
200	6.1	64.6
220	6.7	53.6
240	9.4	40.8
260	-1.2	35.4
280	7.9	30.1
300	5.5	26.7
320	5.5	26.7
340	5.5	26.7
360	5.5	26.7

VK-STACS13-84 PEGASUS 026 STN 4

R/V VIRGINIA KEY JDAY 26 TIME 0104Z

LATITUDE 26.97 N LONGITUDE 79.61 W

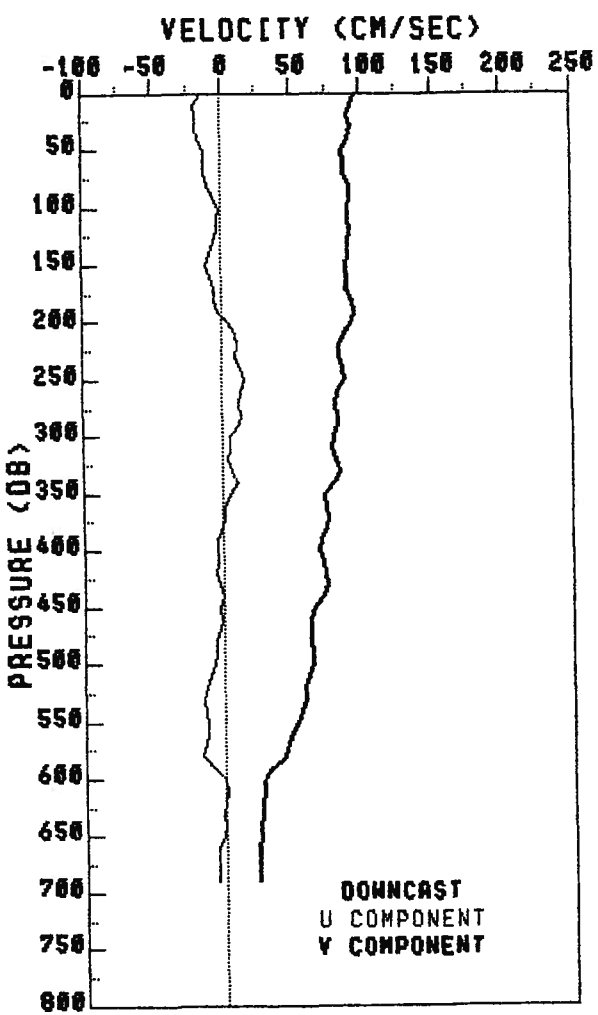


PRES	U	V
0	13.5	146.5
10	6.5	139.3
20	14.2	133.1
30	14.8	133.4
40	6.9	134.6
50	7.0	129.4
60	10.1	128.2
70	9.8	132.7
80	11.2	137.6
90	7.8	142.0
100	5.0	141.2
110	3.6	139.4
120	8.4	137.5
130	9.4	140.4
140	3.4	143.8
150	6.3	145.7
160	5.7	150.3
170	3.0	145.8
180	10.3	137.6
190	16.2	138.2
200	11.1	139.9
220	10.3	135.0
240	7.9	132.8
260	6.5	136.6
280	2.4	137.4
300	6.8	135.1
320	10.0	128.4
340	8.6	114.3
360	7.9	113.0
380	8.9	112.0
400	17.1	97.6
420	6.7	92.9
470	6.0	78.9
520	3.4	67.3
570	0.9	46.7
620	8.1	29.7

VK-STACS13-84 PEGASUS 028 STN 6

R/V VIRGINIA KEY JDAY 26 TIME 0516Z

LATITUDE 26.99 N LONGITUDE 79.37 W

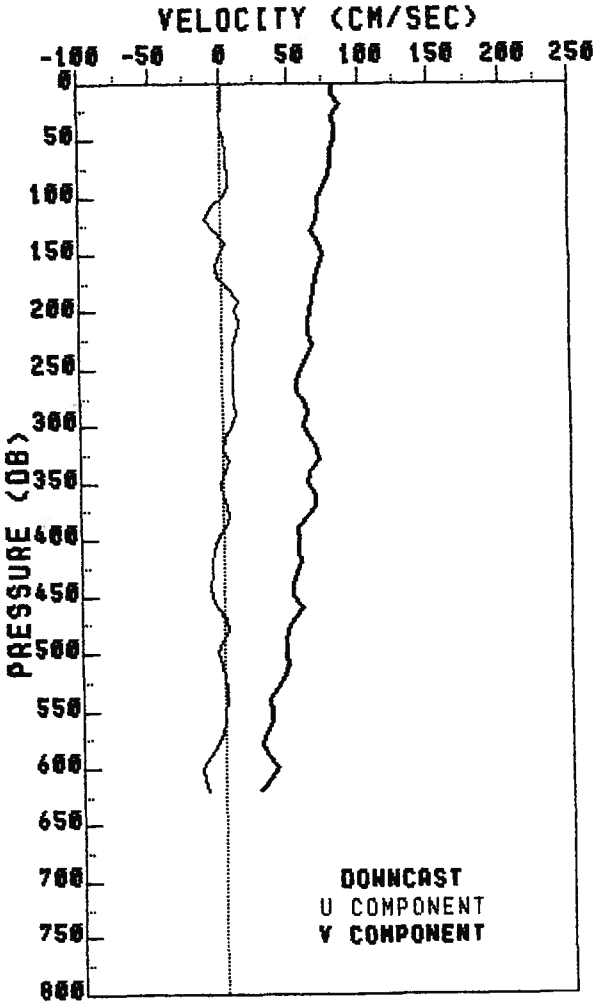


PRES	U	V
0	-12.9	97.1
10	-19.3	94.0
20	-17.3	91.2
30	-18.0	94.8
40	-16.6	91.7
50	-12.6	88.3
60	-11.6	88.5
70	-12.1	89.5
80	-8.8	92.6
90	-5.6	93.6
100	-1.7	91.5
110	-2.9	92.1
120	-2.2	92.6
130	-4.8	91.9
140	-8.0	91.9
150	-10.3	90.3
160	-8.1	90.6
170	-5.0	90.5
180	-5.3	95.1
190	-2.6	95.6
200	4.2	94.3
220	10.9	85.4
240	13.6	87.9
260	14.0	84.2
280	14.4	83.2
300	6.3	81.0
320	4.2	82.3
340	10.5	81.4
360	1.7	75.8
380	0.3	74.8
400	-4.3	70.2
420	-5.8	74.6
470	-2.5	63.5
520	-12.1	59.1
570	-13.4	46.3
620	0.6	27.6
670	-4.7	25.1

VK-STACS13-84 PEGASUS 029 STN 7

R/V VIRGINIA KEY JDAY 26 TIME 0701Z

LATITUDE 26.99 N LONGITUDE 79.24 W

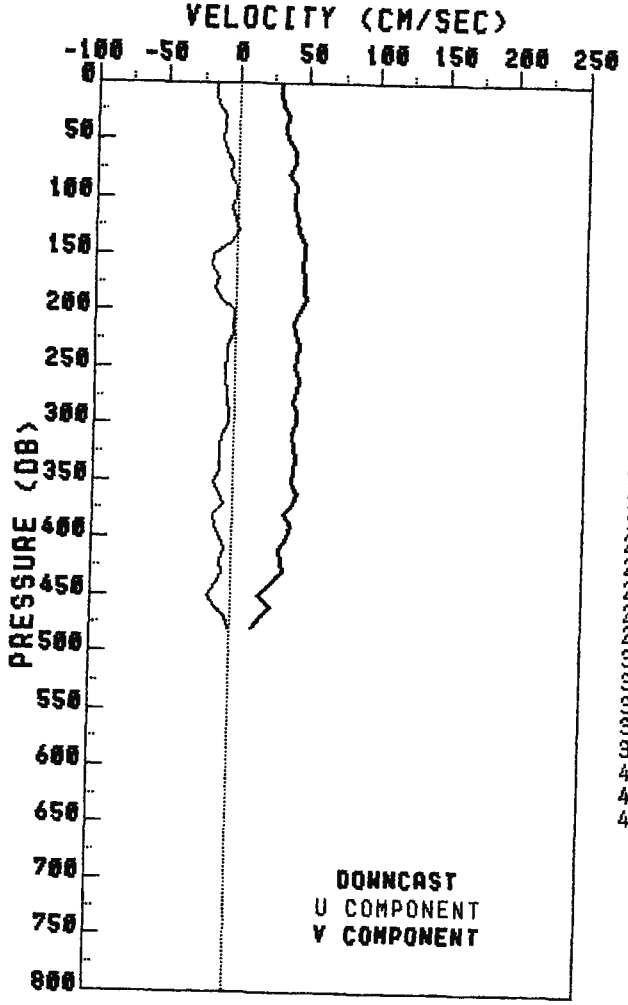


PRES	U	V
0	2.0	82.4
10	2.0	82.4
20	2.2	88.5
30	0.3	82.4
40	0.2	83.7
50	3.9	84.1
60	4.3	80.9
70	4.0	81.4
80	6.5	80.5
90	5.7	75.4
100	2.0	72.2
110	-6.3	71.7
120	-10.2	70.2
130	-3.1	66.8
140	3.2	71.2
150	-1.0	75.0
160	-4.1	72.0
170	-2.0	69.3
180	5.7	68.1
190	13.5	66.8
200	10.7	64.3
220	12.1	63.4
240	8.7	61.5
260	9.0	55.0
280	9.0	61.0
300	7.4	59.9
320	0.0	68.7
340	2.2	63.7
360	0.7	67.4
380	4.8	61.9
400	-3.2	54.9
420	-7.1	56.5
470	1.6	51.9
520	0.6	44.0
570	-0.5	30.9
620	-12.4	27.1

VK-STACS13-84 PEGASUS 030 STN 8

R/V VIRGINIA KEY JDAY 26 TIME 0854Z

LATITUDE 27.00 N LONGITUDE 79.19 W

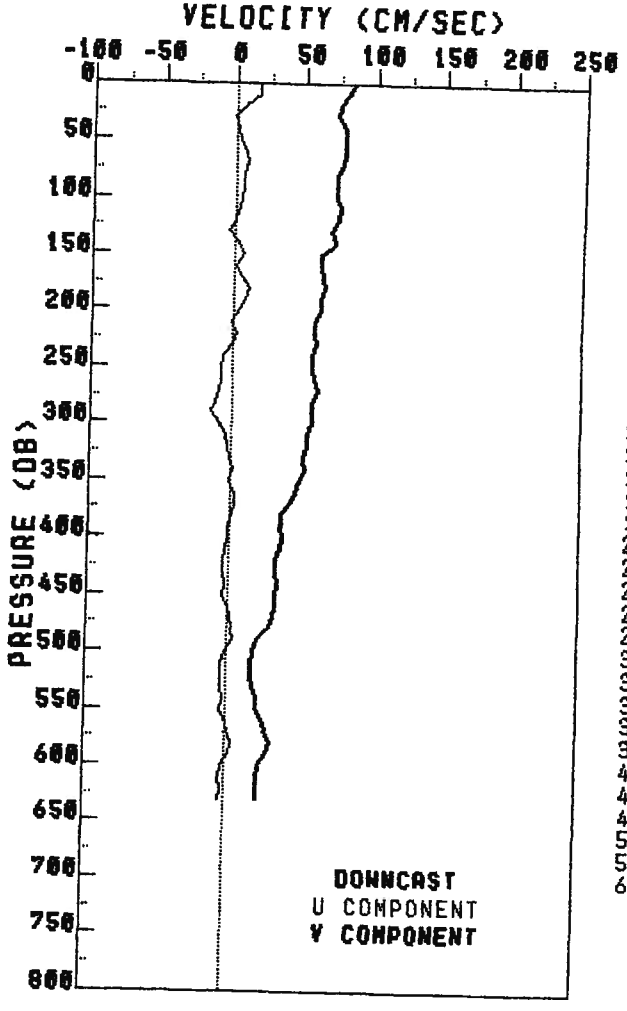


PRES	U	V
0	-15.5	30.2
10	-15.5	30.2
20	-14.5	31.2
30	-9.3	35.8
40	-9.1	34.8
50	-10.9	36.9
60	-7.6	41.7
70	-3.7	40.7
80	-4.8	37.1
90	-1.3	42.5
100	-1.3	41.2
110	-3.3	41.3
120	-0.8	43.3
130	1.9	44.7
140	-4.2	48.9
150	-15.7	48.8
160	-17.1	48.4
170	-12.7	49.2
180	-15.1	49.6
190	-8.9	51.0
200	-1.7	47.0
220	-0.9	44.3
240	-5.0	44.9
260	-6.9	46.7
280	-4.8	43.3
300	-3.3	44.9
320	-9.7	44.4
340	-9.9	43.6
360	-8.9	47.0
380	-13.4	37.1
400	-7.5	40.5
420	-7.4	35.7
470	-3.7	22.2

VK-STACS13-84 PEGASUS 032 STN 7

R/V VIRGINIA KEY JDAY 26 TIME 1822Z

LATITUDE 26.99 N LONGITUDE 79.28 W

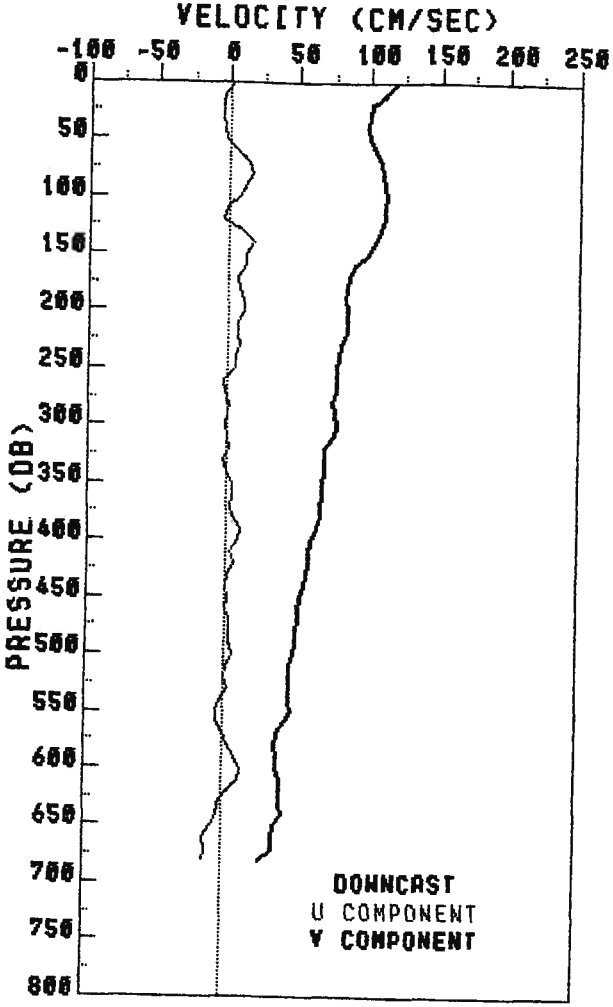


PRES	U	V
0	17.1	83.8
10	16.5	79.3
20	7.3	74.0
30	-1.4	72.9
40	1.8	78.0
50	3.4	78.0
60	7.0	78.6
70	8.5	77.7
80	6.0	72.6
90	5.4	73.0
100	4.1	73.3
110	3.2	76.0
120	1.1	74.6
130	-3.9	70.1
140	3.8	72.4
150	8.0	64.1
160	2.1	63.3
170	6.5	65.0
180	11.8	66.1
190	9.1	62.9
200	4.8	63.1
220	3.1	59.8
240	-6.0	58.3
260	-7.3	59.4
280	-12.3	57.6
300	-9.6	57.7
320	-2.7	54.6
340	1.6	53.4
360	2.6	47.6
380	1.3	37.1
400	-1.4	38.2
420	-3.9	35.0
470	2.5	32.8
520	-3.5	18.9
570	2.1	29.8
620	-2.1	23.7

VK-STACS13-84 PEGASUS 033 STN 6

R/V VIRGINIA KEY JDAY 26 TIME 2007Z

LATITUDE 26.99 N LONGITUDE 79.37 W

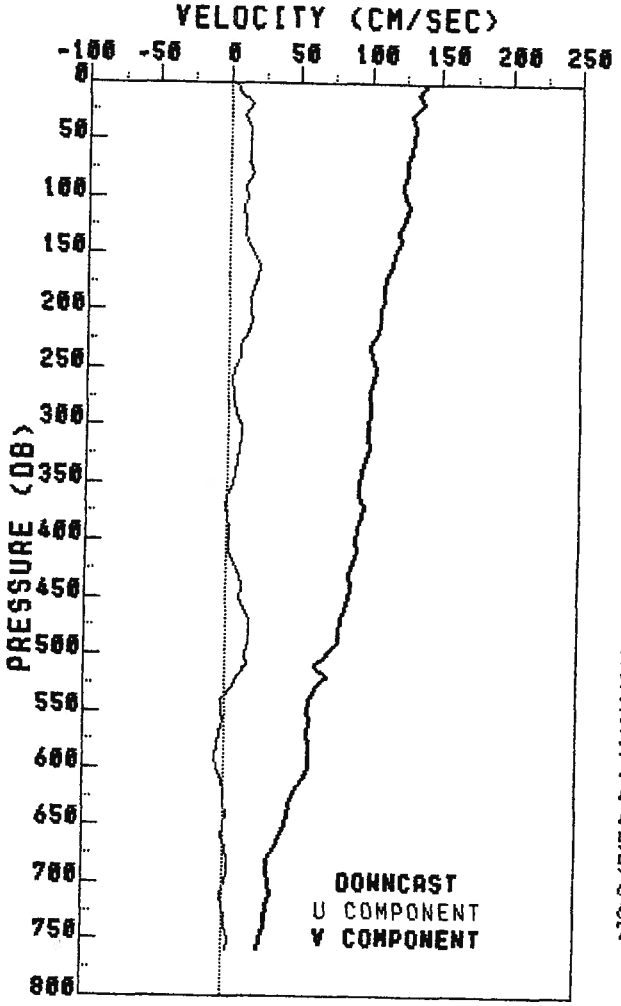


PRES	U	V
0	2.9	118.5
10	-3.5	111.4
20	-5.7	101.5
30	-4.7	100.4
40	-3.4	98.2
50	-2.8	99.8
60	6.3	103.9
70	14.5	107.6
80	16.5	109.5
90	11.6	110.9
100	7.3	112.3
110	-1.4	111.1
120	-3.8	111.3
130	10.4	107.9
140	18.3	104.6
150	12.9	100.6
160	12.4	89.8
170	7.7	86.4
180	8.2	84.8
190	11.2	83.6
200	10.6	85.6
220	7.1	85.1
240	6.1	79.3
260	-2.1	77.7
280	1.2	75.4
300	-1.4	78.3
320	1.2	70.5
340	0.5	70.2
360	4.5	68.3
380	4.6	67.3
400	8.3	61.0
420	5.2	58.4
470	3.2	51.7
520	0.7	46.5
570	0.1	38.5
620	3.5	41.2
670	-12.1	35.7

VK-STACS13-84 PEGASUS 034 STN 5

R/V VIRGINIA KEY JDAY 26 TIME 2223Z

LATITUDE 26.99 N LONGITUDE 79.49 W

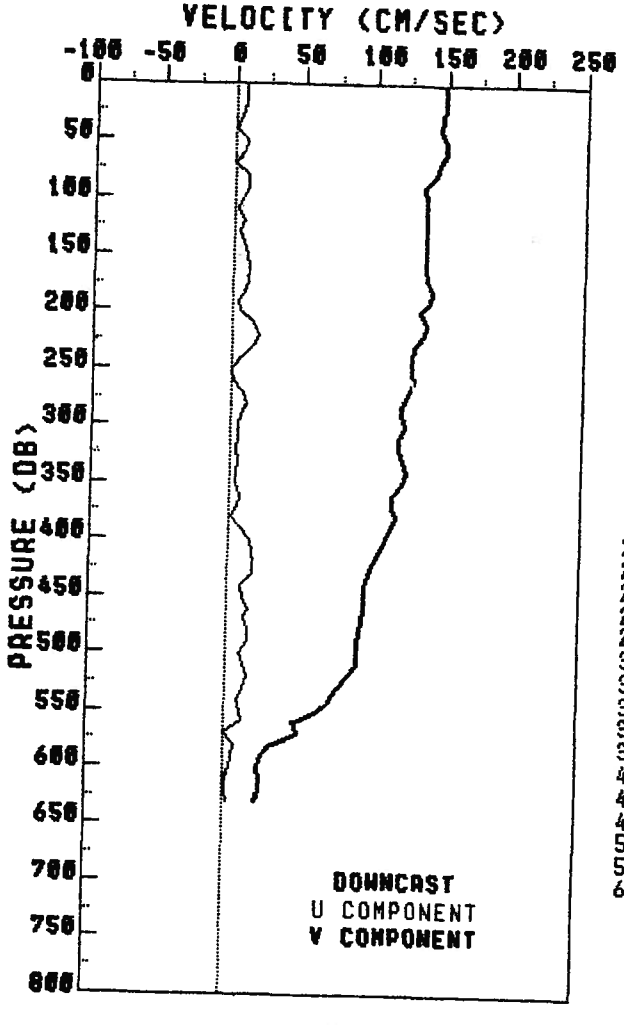


PRES	U	V
0	4.3	140.6
10	7.5	134.3
20	16.0	137.4
30	10.3	129.0
40	13.9	131.1
50	13.7	129.8
60	13.6	128.7
70	13.8	126.8
80	16.7	126.7
90	11.2	123.6
100	13.1	125.6
110	10.7	128.0
120	11.5	125.3
130	11.1	121.0
140	13.1	121.6
150	17.8	118.5
160	22.4	116.1
170	20.9	112.2
180	18.5	110.9
190	15.5	111.1
200	15.9	108.6
220	13.7	106.5
240	8.5	103.3
260	3.1	104.2
280	4.8	101.9
300	9.5	100.6
320	9.4	101.4
340	6.2	96.4
360	0.7	95.3
380	-0.1	95.8
400	2.2	91.9
420	6.0	91.3
470	16.4	82.8
520	8.6	72.3
570	-3.3	59.8
620	0.8	51.8
670	2.5	36.8
720	0.8	32.2

VK-STACS13-84 PEGASUS 035 STN 4

R/V VIRGINIA KEY JDAY 27 TIME 0049Z

LATITUDE 26.97 N LONGITUDE 79.61 W

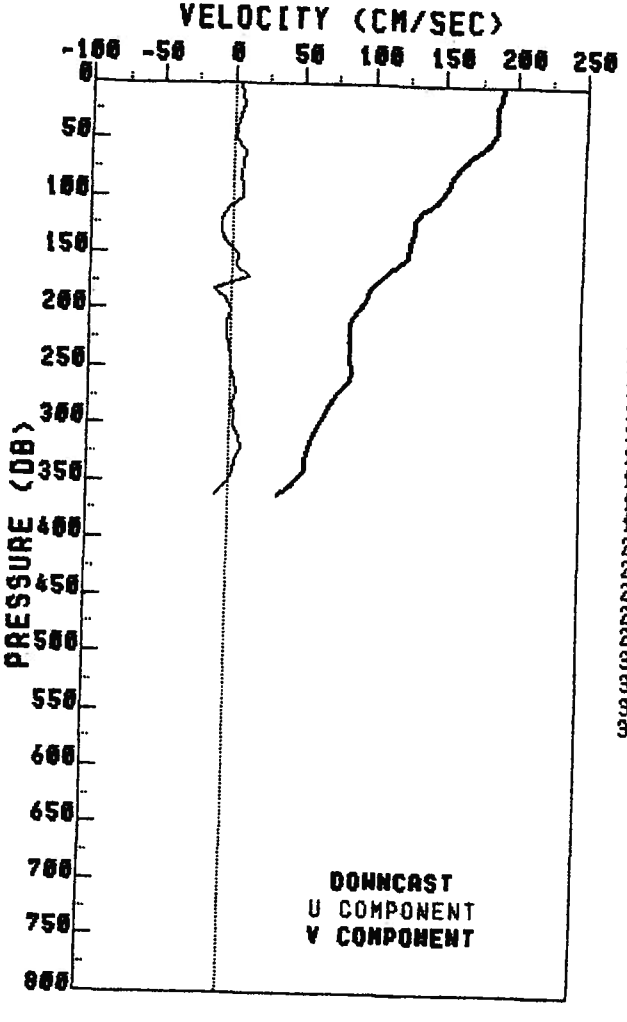


PRES	U	V
0	6.5	148.8
10	6.5	148.8
20	6.5	148.8
30	4.4	147.9
40	0.3	146.8
50	8.6	151.2
60	7.3	150.8
70	0.2	146.8
80	10.1	144.1
90	9.6	135.8
100	5.6	137.1
110	2.5	136.4
120	6.8	136.4
130	4.7	137.3
140	6.9	137.2
150	9.6	137.4
160	11.0	137.1
170	11.4	138.3
180	9.6	142.3
190	4.2	141.3
200	5.1	134.8
220	19.0	136.6
240	6.9	128.1
260	1.3	129.6
280	11.2	122.3
300	5.7	124.3
320	3.7	120.2
340	4.8	125.4
360	6.8	116.6
380	2.1	118.7
400	15.1	111.6
420	17.5	103.3
470	12.8	95.3
520	15.8	86.3
570	0.9	51.5
620	1.7	25.7

VK-STACS13-84 PEGASUS 037 STN 2

R/V VIRGINIA KEY JDAY 27 TIME 0451Z

LATITUDE 26.98 N LONGITUDE 79.79 W

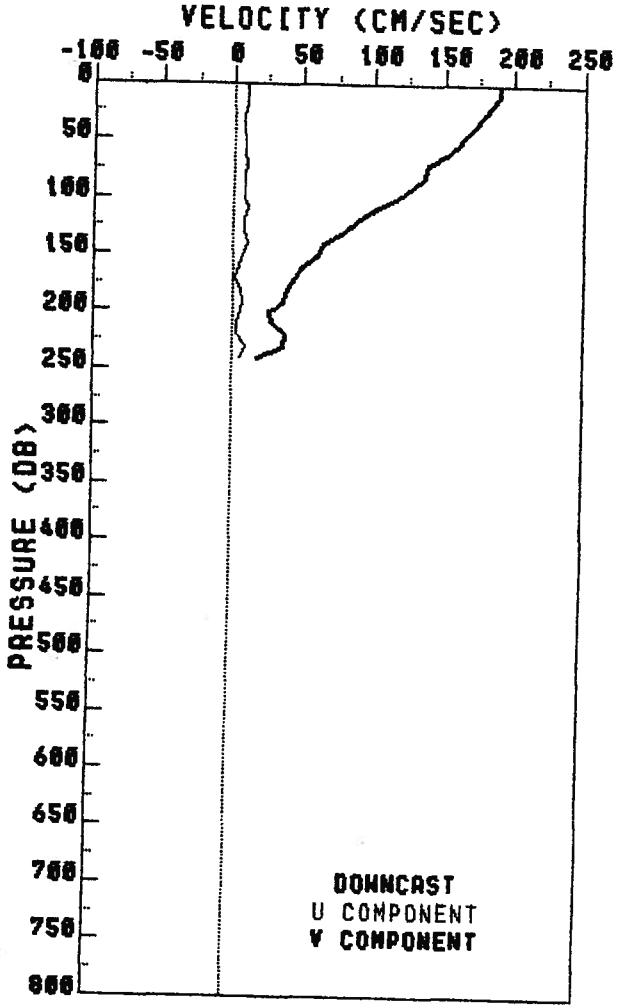


PRES	U	V
0	5.1	191.0
10	5.9	189.7
20	7.2	185.8
30	5.2	186.6
40	1.4	186.6
50	2.5	182.9
60	8.9	171.1
70	7.9	162.8
80	5.5	157.0
90	7.5	153.8
100	7.3	146.3
110	-1.5	136.8
120	-7.3	130.1
130	-7.0	129.9
140	-2.9	128.3
150	4.1	126.2
160	3.1	117.1
170	12.4	108.5
180	-11.2	99.8
190	-1.9	97.6
200	0.7	91.7
220	-1.6	87.2
240	0.1	86.5
260	3.7	86.1
280	2.2	72.4
300	3.2	64.6
320	8.6	57.9
340	2.9	55.2
360	-8.4	36.7

VK-STACS13-84 PEGASUS 038 STN 1

R/V VIRGINIA KEY JDAY 27 TIME 0616Z

LATITUDE 27.00 N LONGITUDE 79.86 W

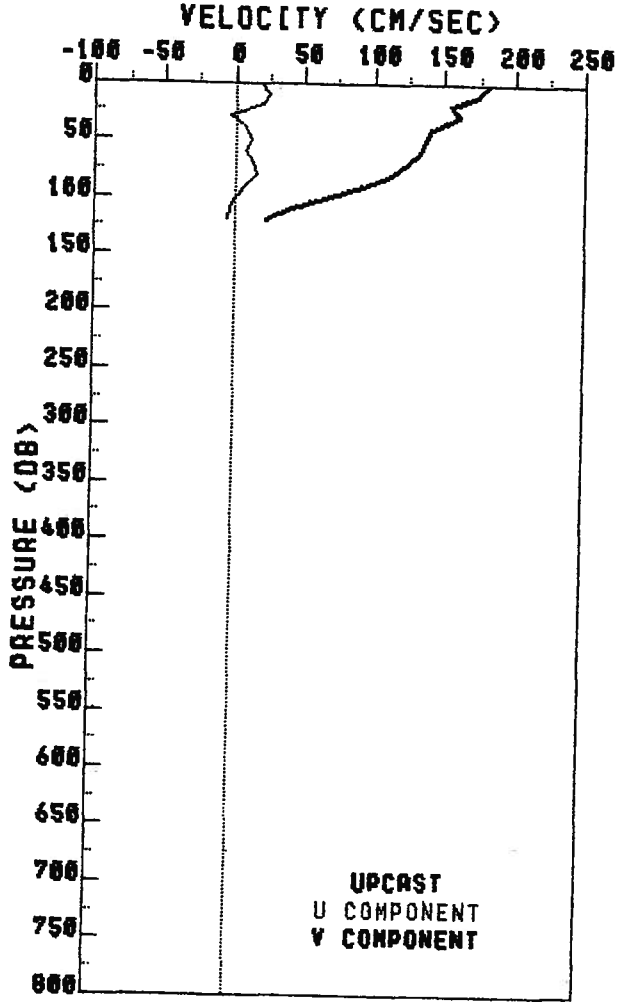


PRES	U	V
0	9.5	189.9
10	9.5	189.9
20	10.2	185.3
30	7.6	178.3
40	6.4	170.6
50	8.4	163.0
60	8.9	153.9
70	9.5	139.6
80	8.8	136.4
90	7.8	127.7
100	8.4	115.8
110	11.2	100.9
120	8.0	89.1
130	8.6	78.9
140	10.6	65.9
150	7.7	62.3
160	9.8	51.5
170	1.7	45.4
180	5.4	39.7
190	7.4	37.0
200	6.2	28.0
220	3.3	38.2
240	6.2	17.7

VK-STACS13-84 PEGASUS 039 STN 0

R/V VIRGINIA KEY JDAY 27 TIME 0741Z

LATITUDE 26.99 N LONGITUDE 79.93 W

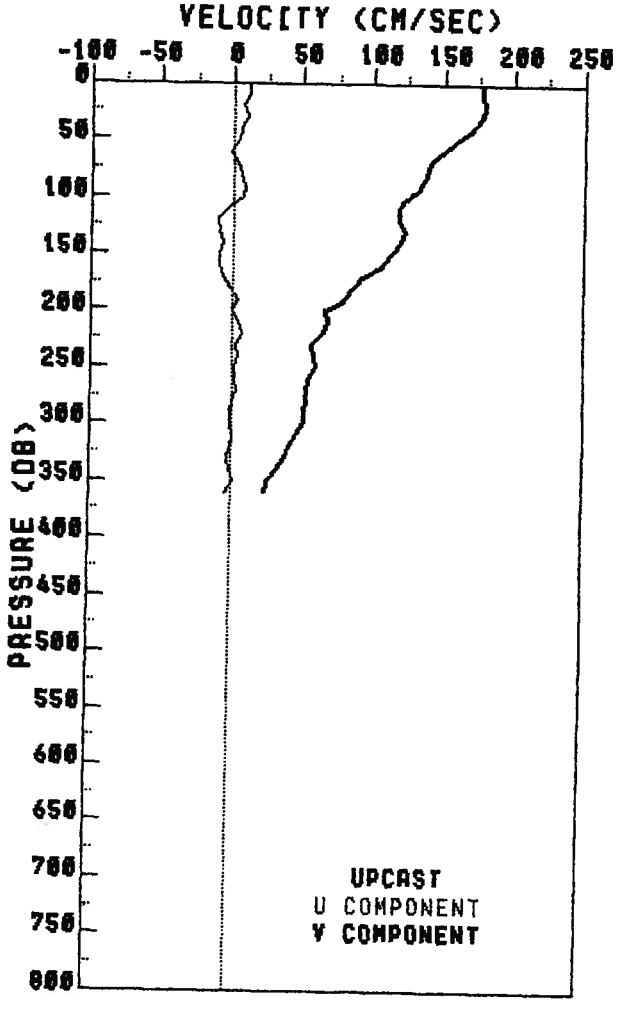


PRES	U	V
0	17.9	182.4
10	25.4	174.6
20	20.1	154.6
30	-4.0	160.3
40	7.3	141.2
50	11.1	137.3
60	7.7	132.8
70	13.2	123.8
80	15.1	113.0
90	7.5	92.6
100	0.8	64.1
110	-3.3	41.4
120	-4.7	22.4

VK-STACS13-84 PEGASUS 040 STN 2

R/V VIRGINIA KEY JDAY 27 TIME 0921Z

LATITUDE 26.98 N LONGITUDE 79.79 W

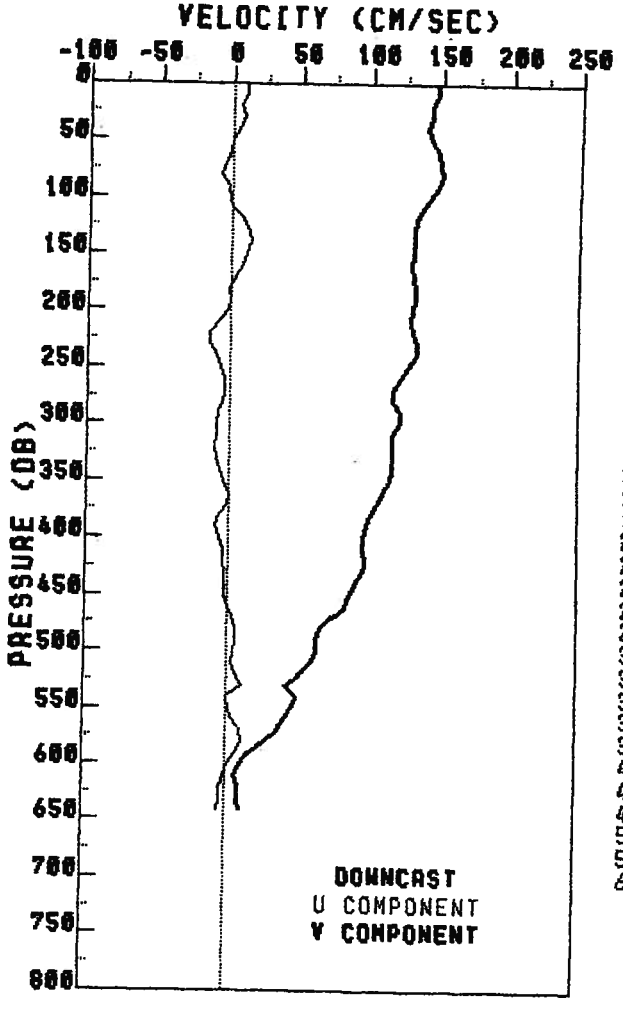


PRES	U	V
0	10.7	177.3
10	10.7	177.3
20	7.7	179.4
30	9.7	178.5
40	6.0	171.0
50	4.0	158.9
60	-0.7	149.6
70	3.1	141.6
80	5.8	138.9
90	8.7	134.2
100	6.4	125.0
110	-2.2	119.0
120	-10.5	119.3
130	-9.9	122.7
140	-6.9	120.7
150	-9.8	114.1
160	-9.4	106.8
170	-7.1	93.2
180	-0.6	86.2
190	4.8	79.1
200	-0.2	67.8
220	6.8	65.6
240	4.0	58.7
260	2.3	55.6
280	0.6	53.2
300	-1.4	52.1
320	-1.3	40.9
340	-1.4	32.7
360	-4.5	24.5

VK-STACS13-84 PEGASUS 041 STN 4

R/V VIRGINIA KEY JDAY 27 TIME 1113Z

LATITUDE 26.97 N LONGITUDE 79.61 W

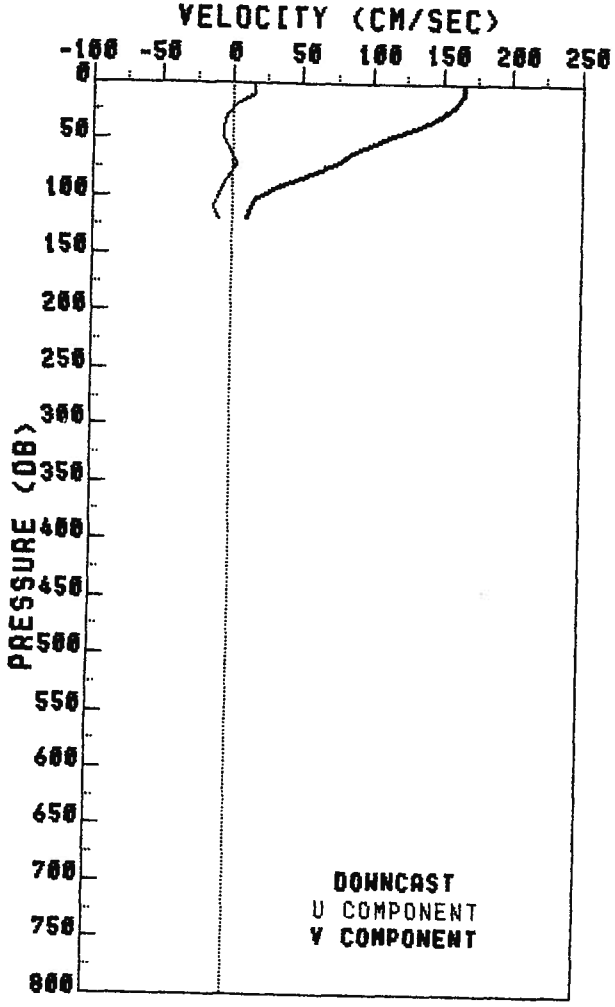


PRES	U	V
0	10.7	146.4
10	10.7	146.4
20	6.3	142.1
30	8.5	142.4
40	5.0	139.9
50	1.1	142.1
60	-0.8	147.9
70	-5.4	149.4
80	-7.9	150.6
90	-2.0	148.2
100	-1.1	142.8
110	-0.1	137.3
120	8.4	133.1
130	12.4	132.4
140	14.5	131.8
150	10.9	131.2
160	8.7	130.0
170	3.6	131.9
180	-0.6	133.1
190	-0.1	133.3
200	-0.8	131.5
220	-14.4	131.2
240	-9.6	134.3
260	-3.8	123.8
280	-5.1	118.5
300	-9.4	124.2
320	-10.3	117.7
340	-6.5	118.5
360	0.6	111.8
380	-6.4	103.7
400	-6.1	98.0
420	-3.8	98.9
470	3.5	76.3
520	5.4	52.8
570	10.1	37.9
620	-3.0	9.6

VK-STACS13-84 PEGASUS 042 STN 0

R/V VIRGINIA KEY JDAY 30 TIME 2054Z

LATITUDE 26.99 N LONGITUDE 79.93 W

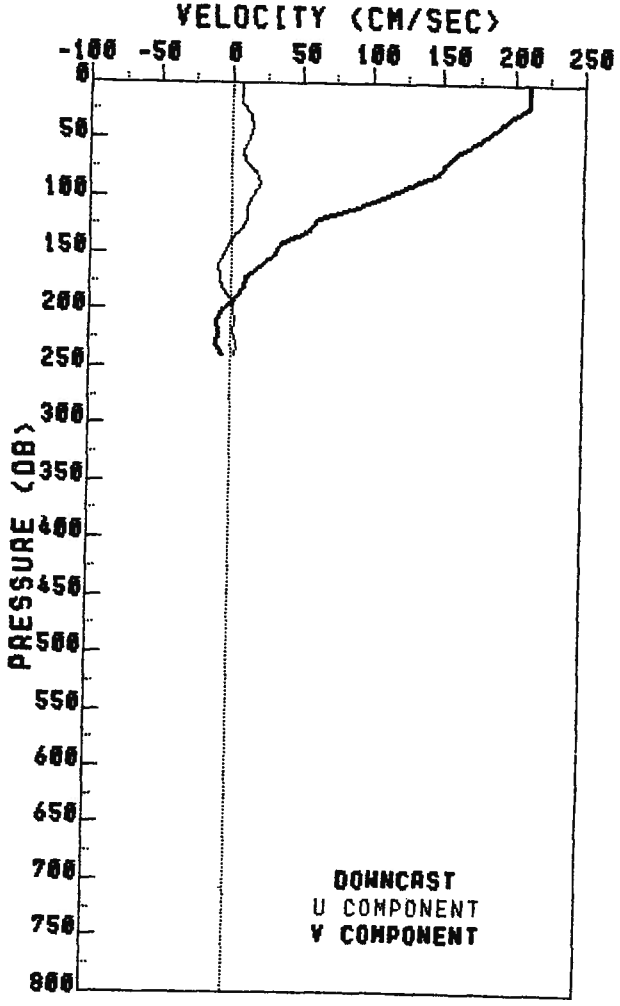


PRES	U	V
0	14.7	166.2
10	14.7	166.2
20	3.6	160.4
30	-3.8	149.8
40	-6.0	130.3
50	-6.8	107.9
60	-1.0	88.2
70	2.3	76.3
80	-1.0	56.5
90	-5.9	35.3
100	-11.2	18.7
110	-12.8	14.4
120	-9.1	11.3

VK-STACS13-84 PEGASUS 043 STN 1

R/V VIRGINIA KEY JDAY 30 TIME 2146Z

LATITUDE 26.99 N LONGITUDE 79.87 W

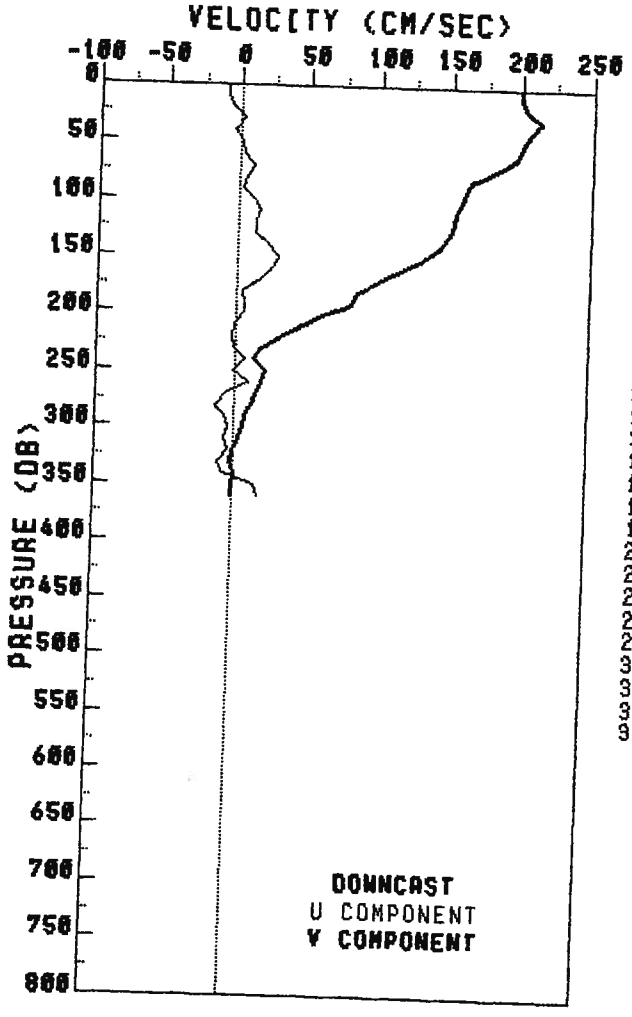


PRES	U	V
0	8.0	211.0
10	8.0	211.0
20	8.0	210.9
30	14.5	197.6
40	15.1	188.2
50	13.1	176.6
60	9.2	163.3
70	10.1	154.3
80	18.5	147.5
90	21.5	128.2
100	15.1	109.1
110	12.1	90.6
120	12.0	63.5
130	6.8	56.0
140	-0.8	37.5
150	-5.0	32.2
160	-9.3	21.7
170	-7.5	11.1
180	-6.2	10.0
190	0.3	2.8
200	2.3	-4.3
220	2.4	-7.6
240	2.9	-5.6

VK-STACS13-84 PEGASUS 044 STN 2

R/V VIRGINIA KEY JDAY 30 TIME 2300Z

LATITUDE 26.98 N LONGITUDE 79.79 N

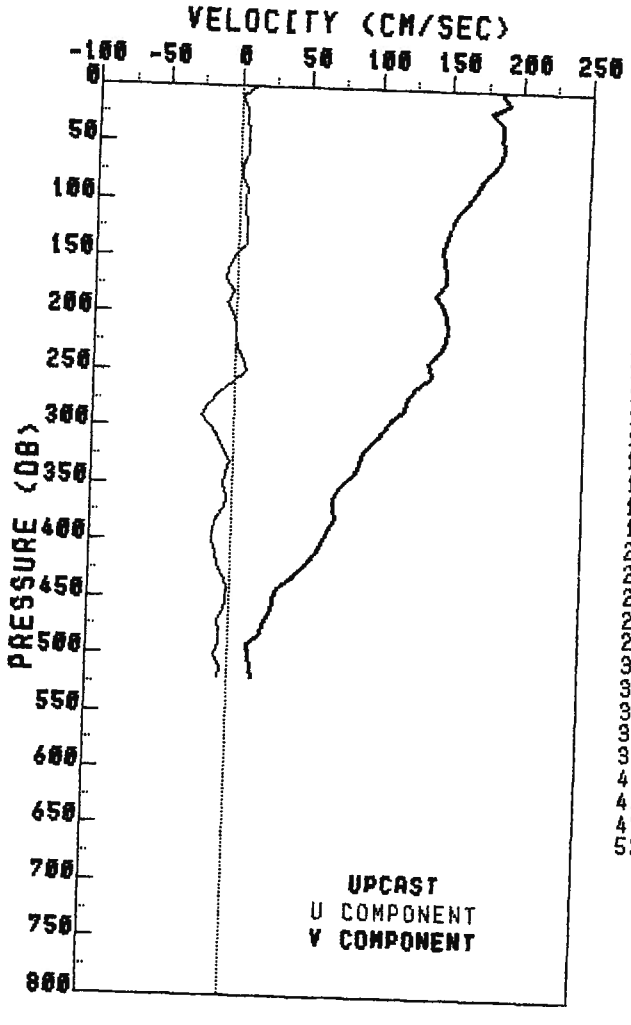


PRES	U	V
0	-9.6	199.8
10	-9.6	199.8
20	-5.2	204.4
30	2.3	213.3
40	-4.0	207.1
50	0.9	201.3
60	3.2	196.9
70	10.4	184.2
80	6.1	167.7
90	3.2	161.6
100	11.7	159.1
110	15.1	154.3
120	12.3	153.2
130	11.9	150.7
140	22.0	143.8
150	28.6	131.7
160	25.3	116.0
170	16.0	99.8
180	4.7	86.6
190	6.0	82.2
200	5.7	64.0
220	-2.4	32.2
240	7.2	13.5
260	9.5	19.8
280	-12.8	12.0
300	-3.8	7.2
320	-4.1	-0.1
340	-6.4	1.3
360	17.7	-0.3

VK-STACS13-84 PEGASUS 045 STN 3

R/V VIRGINIA KEY JDAY 31 TIME 0025Z

LATITUDE 26.99 N LONGITUDE 79.68 N

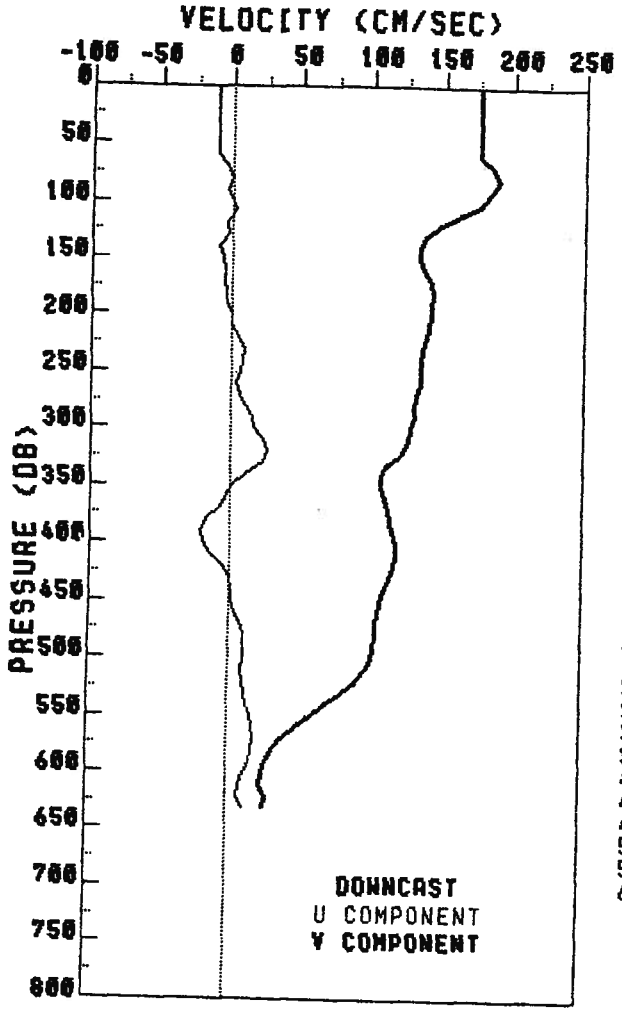


PRES	U	V
0	10.9	185.6
10	0.1	191.0
20	5.0	178.8
30	4.9	186.3
40	5.9	186.6
50	6.4	187.3
60	5.4	185.9
70	1.4	181.0
80	1.9	172.8
90	6.0	168.1
100	4.9	162.8
110	5.9	156.4
120	5.3	152.0
130	6.4	149.4
140	6.0	146.5
150	-2.3	148.3
160	-6.4	149.7
170	-7.9	149.1
180	-2.9	143.3
190	-6.1	148.3
200	-2.3	150.5
220	0.6	151.1
240	6.0	139.0
260	-0.6	132.1
280	-18.4	122.6
300	-16.1	109.0
320	-6.8	93.9
340	-5.1	86.3
360	-3.4	72.3
380	-9.7	74.0
400	-13.4	64.2
420	-9.0	54.4
470	-7.3	26.0
520	-6.7	18.3

VK-STACS13-84 PEGASUS 046 STN 4

R/V VIRGINIA KEY JDAY 31 TIME 0202Z

LATITUDE 26.97 N LONGITUDE 79.61 W

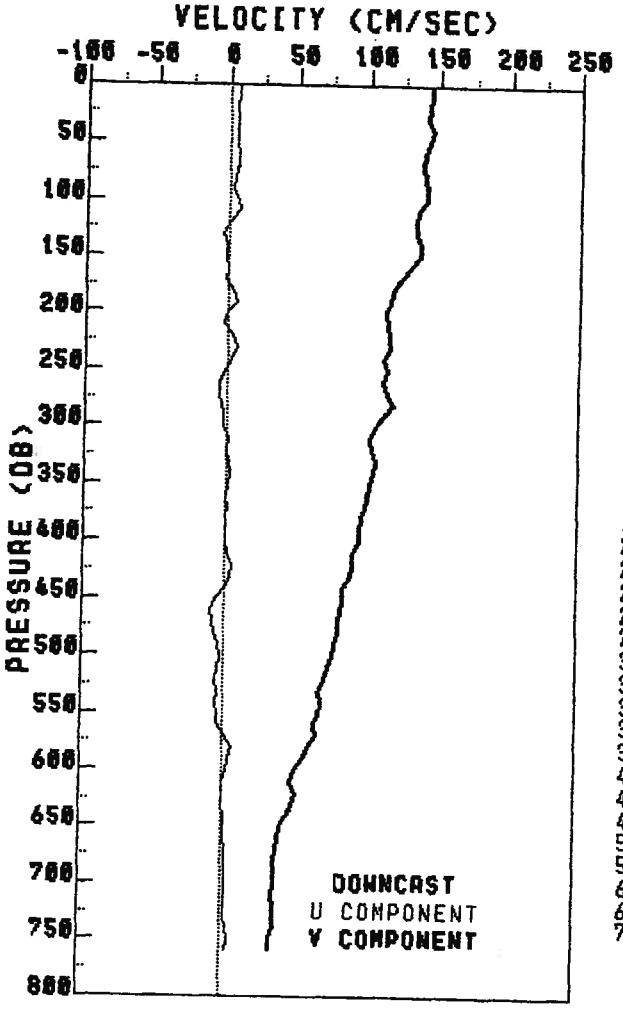


PRES	U	V
0	-10.7	176.3
10	-10.7	176.3
20	-10.7	176.3
30	-10.7	176.3
40	-10.7	176.3
50	-10.9	176.2
60	-11.3	176.4
70	-3.6	186.1
80	0.8	190.6
90	-4.5	184.1
100	0.7	177.9
110	2.5	166.3
120	-3.5	147.9
130	-2.7	138.1
140	-8.7	134.0
150	-6.7	134.0
160	-4.8	137.5
170	-5.0	142.9
180	-4.2	143.4
190	-3.8	142.2
200	-0.1	142.6
220	5.6	139.7
240	8.1	136.3
260	5.0	135.6
280	10.6	131.1
300	16.3	128.8
320	26.8	123.7
340	11.1	108.4
360	-4.4	111.2
380	-16.3	115.3
400	-18.5	119.7
420	-5.3	117.7
470	8.9	105.9
520	11.1	91.5
570	19.8	39.7
620	8.6	29.5

VK-STACS13-84 PEGASUS 047 STN 5

R/V VIRGINIA KEY JDAY 31 TIME 0359Z

LATITUDE 26.98 N LONGITUDE 79.49 W

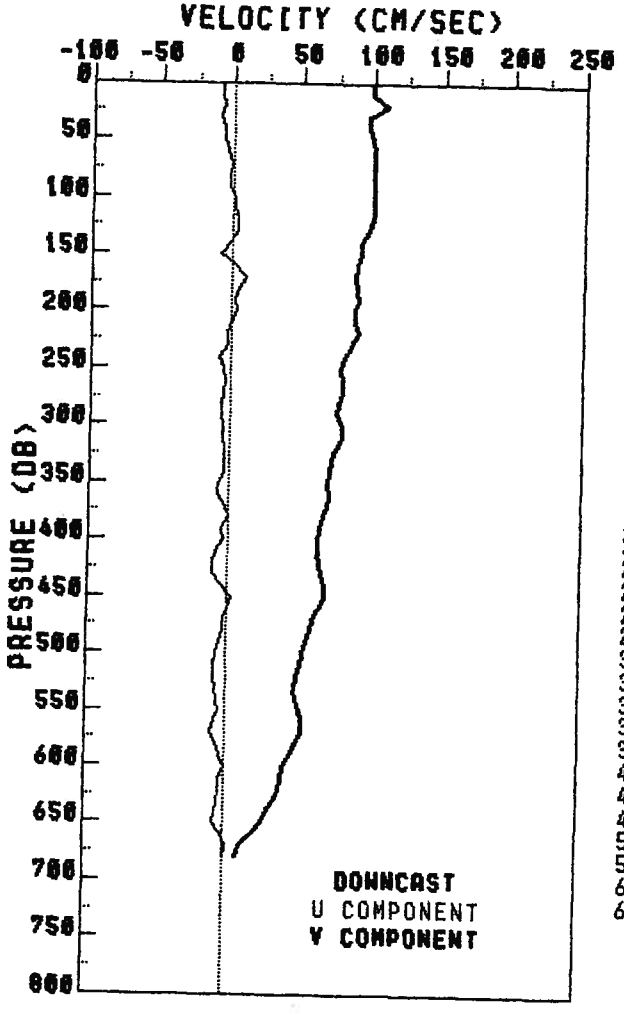


PRES	U	V
0	7.6	144.1
10	7.6	144.1
20	5.7	142.1
30	6.3	142.0
40	6.2	145.1
50	5.7	142.6
60	7.1	140.2
70	7.5	139.1
80	4.6	139.9
90	3.8	141.4
100	8.0	140.9
110	8.7	135.9
120	1.8	134.9
130	-3.5	134.6
140	-1.4	137.5
150	-1.2	136.9
160	0.0	130.5
170	-0.3	123.0
180	4.4	118.3
190	7.9	116.5
200	1.1	114.3
220	4.4	116.1
240	3.4	113.2
260	-4.6	113.2
280	-3.1	118.8
300	-1.8	107.7
320	0.7	105.1
340	3.2	105.2
360	-0.1	102.2
380	1.1	98.1
400	1.1	96.0
420	5.7	92.1
470	-7.4	82.9
520	-4.5	72.7
570	1.5	67.2
620	0.3	54.0
670	3.4	39.6
720	3.7	38.2

VK-STACS13-84 PEGASUS 048 STN 6

R/V VIRGINIA KEY JDAY 31 TIME 0618Z

LATITUDE 26.99 N LONGITUDE 79.37 W

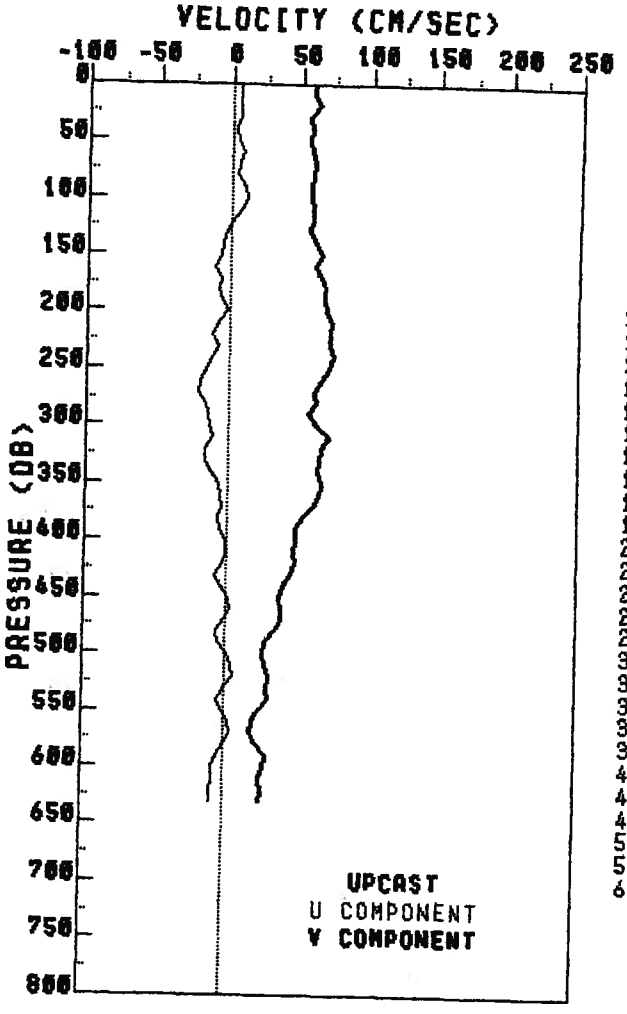


PRES	U	V
0	-8.0	100.7
10	-8.0	100.7
20	-6.8	109.1
30	-9.3	97.2
40	-6.4	97.1
50	-6.7	99.6
60	-3.6	101.3
70	-1.6	101.7
80	-1.9	101.9
90	-3.0	101.3
100	1.9	100.8
110	1.7	100.9
120	4.3	100.8
130	4.3	98.7
140	-1.7	92.9
150	-8.4	92.7
160	3.0	90.2
170	9.6	88.4
180	5.1	90.1
190	3.6	91.6
200	4.4	89.0
220	-1.9	91.2
240	-7.3	82.1
260	-4.3	81.4
280	-6.2	78.7
300	-4.7	80.7
320	-4.1	76.8
340	-4.5	72.9
360	-8.2	73.1
380	-0.1	67.9
400	-4.1	64.8
420	-10.6	65.3
470	-2.5	62.0
520	-9.6	50.8
570	-10.5	54.3
620	-3.7	39.7
670	1.7	12.0

VK-STACS13-84 PEGASUS 049 STN 7

R/V VIRGINIA KEY JDAY 31 TIME 0817Z

LATITUDE 26.99 N LONGITUDE 79.29 W

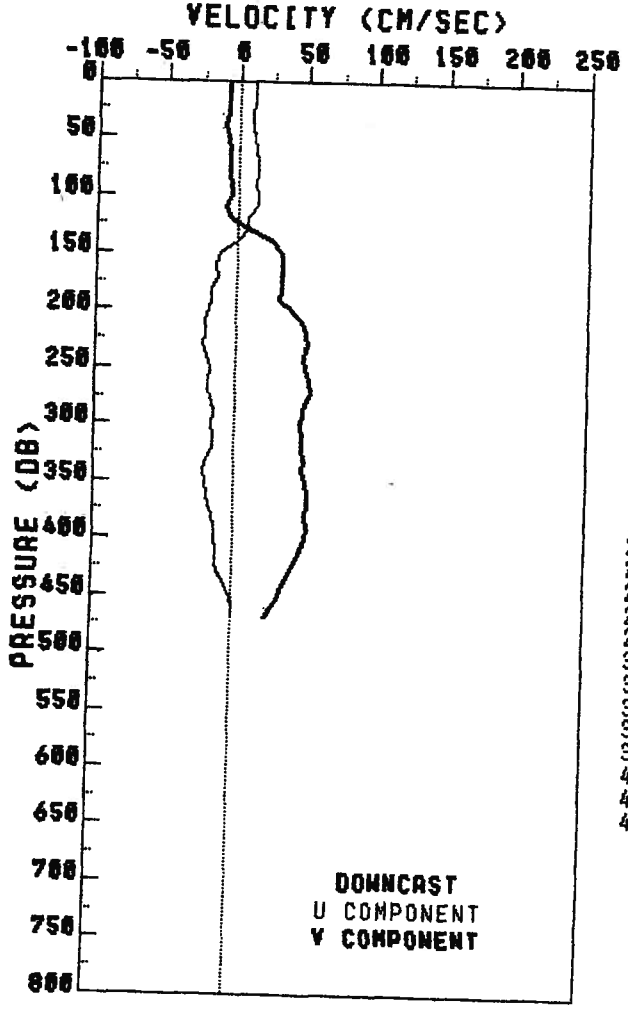


PRES	U	V
0	5.8	59.5
10	5.8	59.5
20	6.2	63.3
30	5.8	56.3
40	2.8	58.3
50	4.9	56.9
60	9.0	57.8
70	6.6	60.8
80	4.9	58.7
90	10.7	58.1
100	11.4	58.0
110	8.4	59.9
120	1.4	59.0
130	-2.1	57.7
140	-4.3	62.6
150	-6.9	66.0
160	-10.0	61.7
170	-6.8	66.8
180	-7.4	69.4
190	-4.5	69.3
200	-0.8	70.8
220	-11.9	72.5
240	-11.8	76.1
260	-20.5	67.3
280	-16.3	62.8
300	-13.3	64.0
320	-15.4	67.5
340	-11.7	64.9
360	-4.5	66.3
380	-5.9	55.0
400	-0.8	49.8
420	-2.6	49.2
470	-0.6	40.3
520	5.9	31.5
570	4.2	19.4
620	-9.1	27.9

VK-STACS13-84 PEGASUS 051 STN 8

R/V VIRGINIA KEY JDAY 31 TIME 1121Z

LATITUDE 26.99 N LONGITUDE 79.19 W

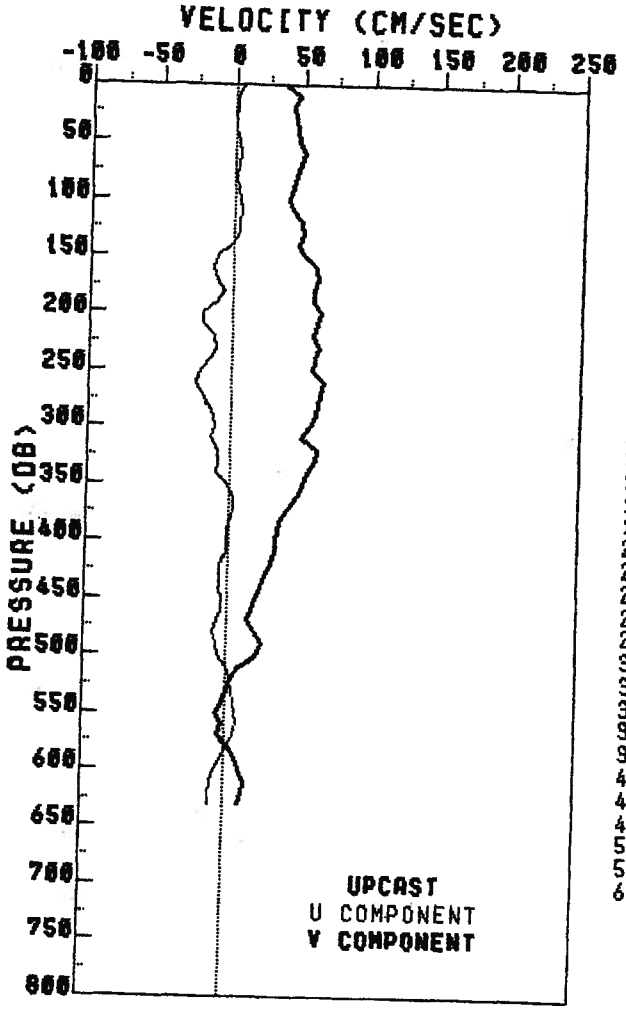


PRES	U	V
0	10.8	-7.1
10	10.8	-7.1
20	10.8	-7.1
30	9.5	-6.8
40	9.7	-8.8
50	11.3	-6.8
60	12.4	-5.6
70	13.8	-5.4
80	13.3	-5.5
90	12.7	-3.7
100	14.4	-4.5
110	13.6	-8.1
120	7.7	-3.4
130	7.5	9.8
140	0.9	26.6
150	-12.6	33.2
160	-14.3	33.3
170	-13.3	32.8
180	-17.9	32.5
190	-17.5	32.4
200	-18.9	39.9
220	-21.4	51.2
240	-20.9	49.9
260	-18.7	53.7
280	-16.3	50.9
300	-15.6	48.5
320	-14.9	49.5
340	-21.2	49.2
360	-18.3	53.2
380	-14.8	52.7
400	-13.9	52.4
420	-12.1	45.5
470	0.6	25.1

VK-STACS13-84 PEGASUS 052 STN 7

R/V VIRGINIA KEY JDAY 31 TIME 1304Z

LATITUDE 26.99 N LONGITUDE 79.28 W

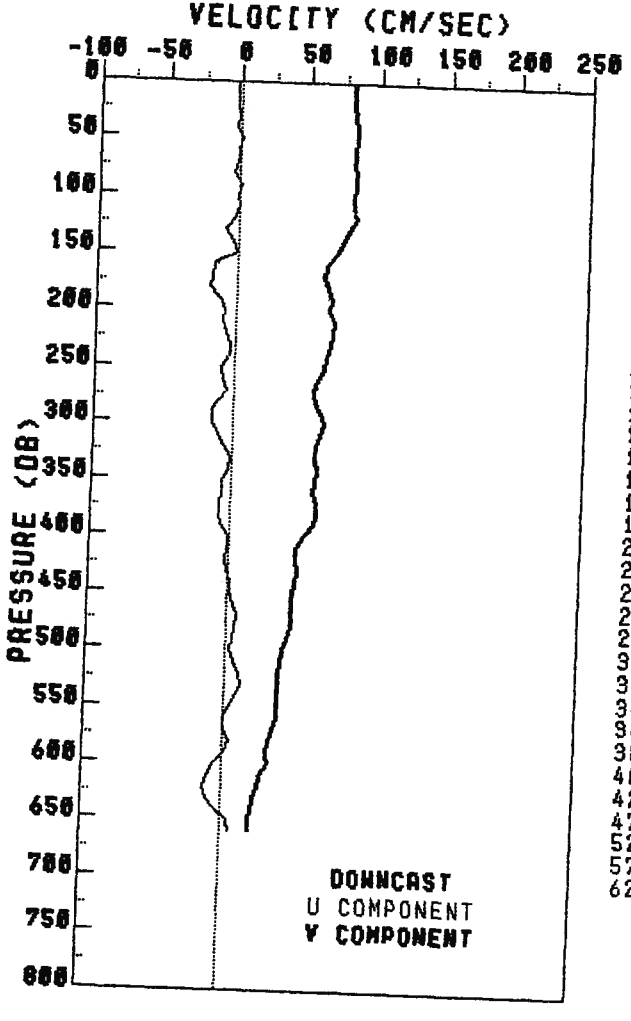


PRES	U	V
0	6.6	36.7
10	1.8	46.4
20	1.5	42.5
30	0.8	44.7
40	1.0	46.0
50	2.7	46.5
60	4.1	50.7
70	2.8	48.0
80	1.8	46.1
90	3.5	43.2
100	5.3	39.6
110	6.6	43.3
120	4.9	49.9
130	4.6	50.8
140	-1.3	48.3
150	-10.7	52.9
160	-13.5	60.3
170	-10.2	62.1
180	-5.6	59.5
190	-10.4	59.1
200	-20.4	65.4
220	-12.3	59.5
240	-14.4	61.0
260	-23.6	67.7
280	-15.9	63.2
300	-11.0	57.9
320	-7.3	63.3
340	-8.7	56.1
360	3.8	49.1
380	2.1	39.3
400	-0.3	34.8
420	-5.2	32.5
470	-6.0	15.9
520	3.8	4.1
570	5.8	-3.2
620	-11.1	14.1

VK-STACS13-84 PEGASUS 053 STN 6

R/V VIRGINIA KEY JDAY 31 TIME 1441Z

LATITUDE 26.98 N LONGITUDE 79.37 W

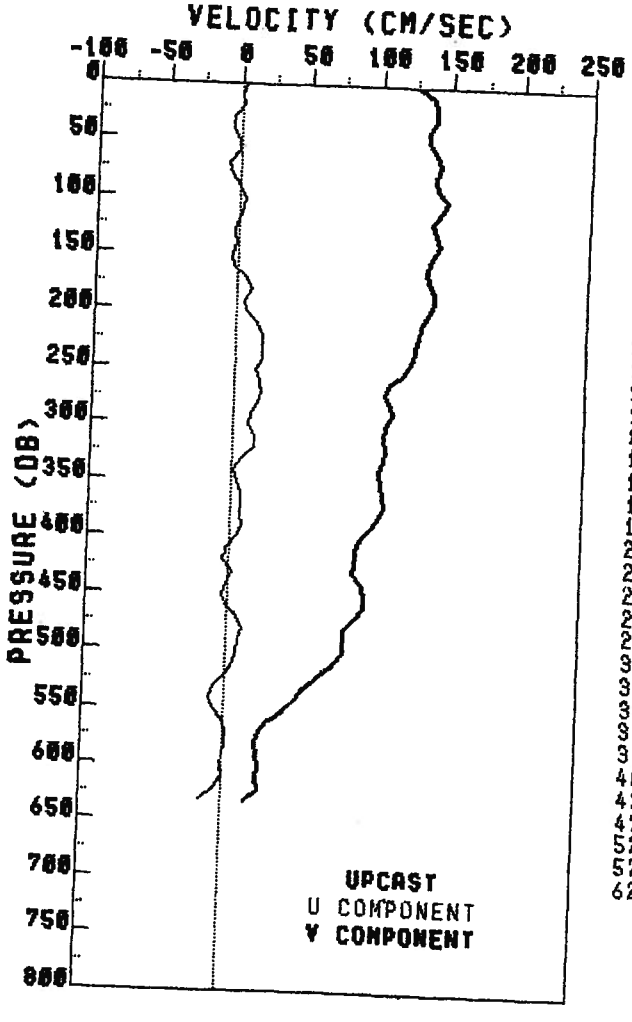


PRES	U	V
0	-2.7	81.2
10	-2.7	81.2
20	-2.7	81.2
30	-1.4	82.2
40	-2.5	83.8
50	1.2	83.1
60	-0.9	82.5
70	-1.0	82.6
80	-3.6	83.7
90	2.2	83.7
100	-0.7	82.1
110	-0.4	82.9
120	-2.3	84.4
130	-9.6	79.4
140	-3.4	76.1
150	-1.2	71.6
160	-16.5	64.8
170	-17.8	63.5
180	-18.3	66.3
190	-12.5	68.6
200	-8.1	67.7
220	-6.2	70.1
240	-4.2	66.3
260	-7.5	61.0
280	-11.6	59.0
300	-15.4	65.3
320	-6.1	60.0
340	-2.0	61.3
360	-6.2	59.2
380	-8.1	62.2
400	-1.5	54.2
420	-2.6	48.4
470	7.1	46.7
520	9.9	38.3
570	0.3	35.7
620	-13.9	25.9

VK-STACS13-84 PEGASUS 055 STN 4

R/V VIRGINIA KEY JDAY 31 TIME 1900Z

LATITUDE 26.97 N LONGITUDE 79.61 W

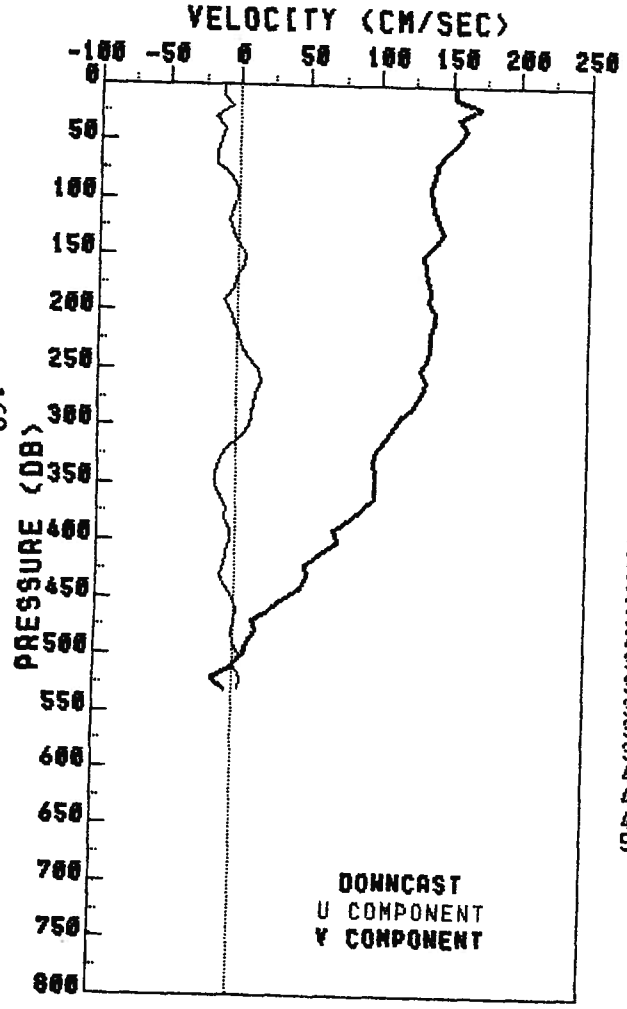


PRES	U	V
0	3.0	126.5
10	0.9	137.5
20	1.6	138.0
30	-5.3	138.5
40	-5.6	134.6
50	-0.6	134.4
60	-0.3	139.5
70	-7.6	143.2
80	-4.4	139.8
90	1.0	141.8
100	4.3	147.5
110	3.5	146.1
120	0.7	139.0
130	-2.6	141.0
140	-1.1	144.4
150	-3.8	138.9
160	-1.7	135.4
170	6.8	137.5
180	11.6	141.8
190	6.2	140.8
200	7.9	136.7
220	19.3	132.3
240	19.1	127.5
260	18.0	112.3
280	16.8	112.4
300	11.5	109.5
320	15.5	109.3
340	1.8	106.1
360	7.7	109.1
380	7.0	107.8
400	5.2	94.0
420	-3.3	91.3
470	7.5	92.3
520	0.1	66.1
570	2.0	26.0
620	-4.7	25.9

VK-STACS13-84 PEGASUS 056 STN 3

R/V VIRGINIA KEY JDAY 31 TIME 2044Z

LATITUDE 26.99 N LONGITUDE 79.68 W

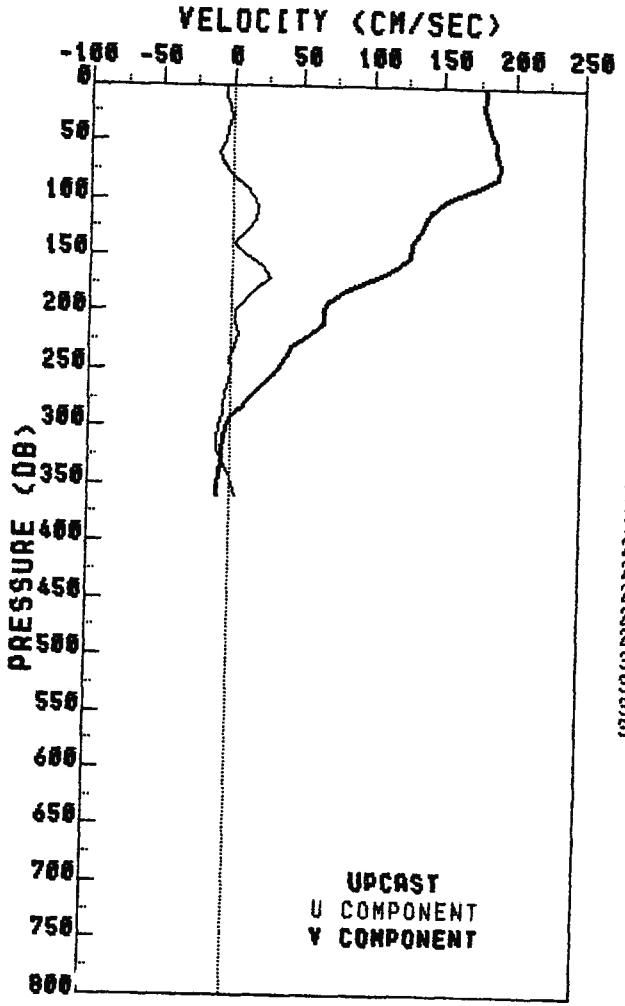


PRES	U	V
0	-12.0	153.2
10	-12.0	153.2
20	-5.4	171.2
30	-18.1	156.4
40	-10.8	161.9
50	-13.7	155.8
60	-16.1	148.1
70	-15.9	140.9
80	-6.5	139.4
90	-1.2	136.6
100	-1.0	138.9
110	-4.2	139.9
120	-6.9	142.4
130	-3.3	147.1
140	0.4	140.5
150	6.2	133.0
160	4.9	134.3
170	-1.1	136.0
180	-2.7	138.2
190	-8.8	136.6
200	-4.8	140.9
220	1.7	137.9
240	8.4	136.3
260	18.3	135.3
280	13.2	127.1
300	9.8	114.1
320	-6.6	101.2
340	-15.3	100.0
360	-11.1	99.7
380	-7.7	81.9
400	-3.5	73.6
420	-8.1	51.0
470	0.5	14.6
520	6.3	-14.4

VK-STACS13-84 PEGASUS 057 STN 2

R/V VIRGINIA KEY JDAY 31 TIME 2240Z

LATITUDE 26.98 N LONGITUDE 79.79 W

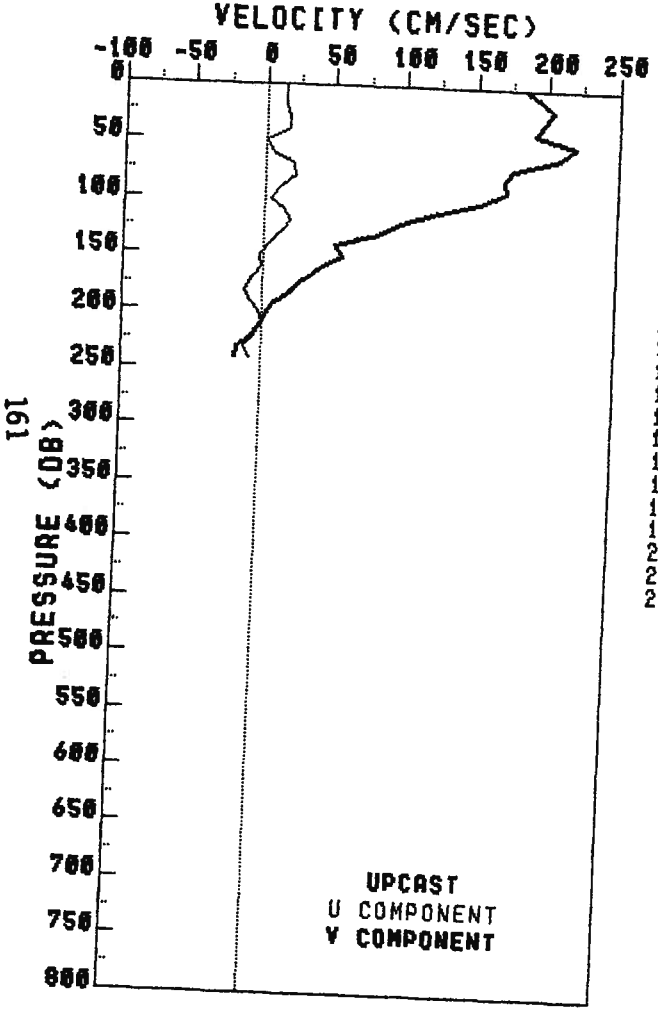


PRES	U	V
0	-4.5	179.3
10	-4.5	179.3
20	-2.1	178.3
30	-1.3	180.8
40	-3.4	184.1
50	-4.7	187.4
60	-9.1	188.1
70	-5.6	190.6
80	0.1	188.6
90	9.8	170.8
100	17.0	152.7
110	18.7	144.0
120	16.9	138.2
130	9.6	134.2
140	2.0	129.4
150	10.0	127.2
160	22.9	118.6
170	27.6	100.9
180	18.9	82.1
190	10.5	70.6
200	3.1	67.4
220	5.9	57.2
240	-0.5	40.1
260	-0.7	25.9
280	-4.6	9.6
300	-7.3	-1.8
320	-9.6	-4.9
340	-0.6	-5.7
360	4.9	-7.2

VK-STACS13-84 PEGASUS 058 STN 1

R/V VIRGINIA KEY JDAY 32 TIME 0015Z

LATITUDE 27.00 N LONGITUDE 79.86 W

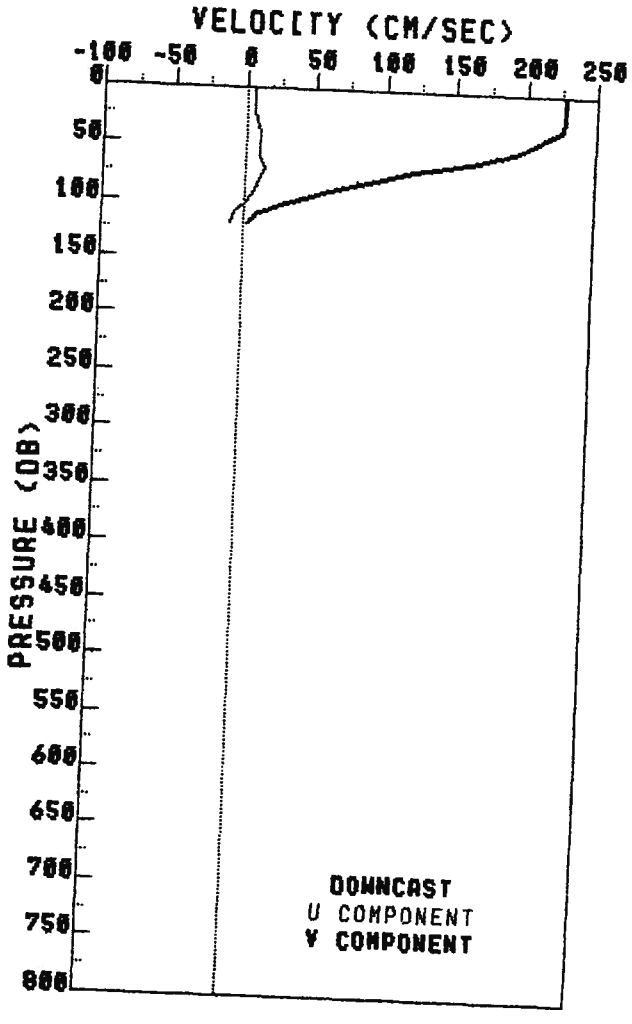


PRES	U	V
0	13.8	185.1
10	14.0	195.9
20	13.8	204.3
30	16.5	198.7
40	16.5	191.6
50	1.6	220.6
60	5.0	209.0
70	20.7	178.5
80	21.7	170.5
90	10.5	171.9
100	4.6	153.0
110	14.5	125.1
120	19.5	98.3
130	12.5	81.9
140	4.3	52.6
150	-2.2	58.2
160	-1.6	41.6
170	-7.8	30.8
180	-11.7	22.1
190	-7.7	9.4
200	-2.8	4.4
220	-5.9	-5.2
240	-8.1	-17.4

VK-STACS13-84 PEGASUS 059 STN 0

R/V VIRGINIA KEY JDAY 32 TIME 0134Z

LATITUDE 26.99 N LONGITUDE 79.93 W

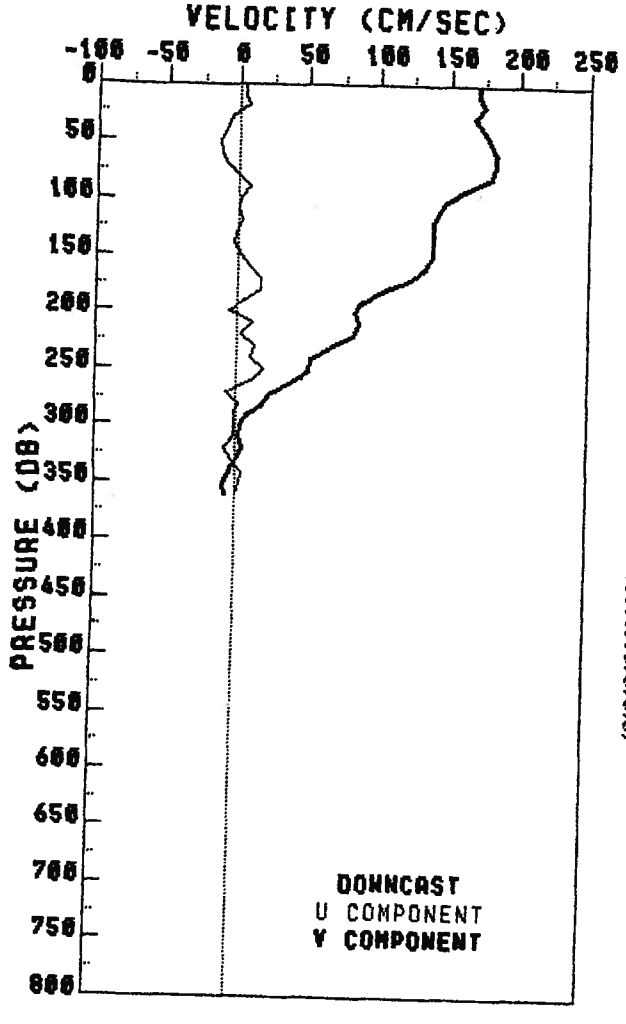


PRES	U	V
0	6.6	227.8
10	6.6	227.8
20	6.2	227.7
30	7.3	226.1
40	10.4	211.7
50	10.3	196.0
60	9.7	166.8
70	14.4	122.6
80	10.2	88.3
90	7.3	56.2
100	1.4	30.3
110	-5.7	11.5
120	-8.7	4.7

VK-STACS13-84 PEGASUS 060 STN 2

R/V VIRGINIA KEY JDAY 32 TIME 0303Z

LATITUDE 26.98 N LONGITUDE 79.79 W

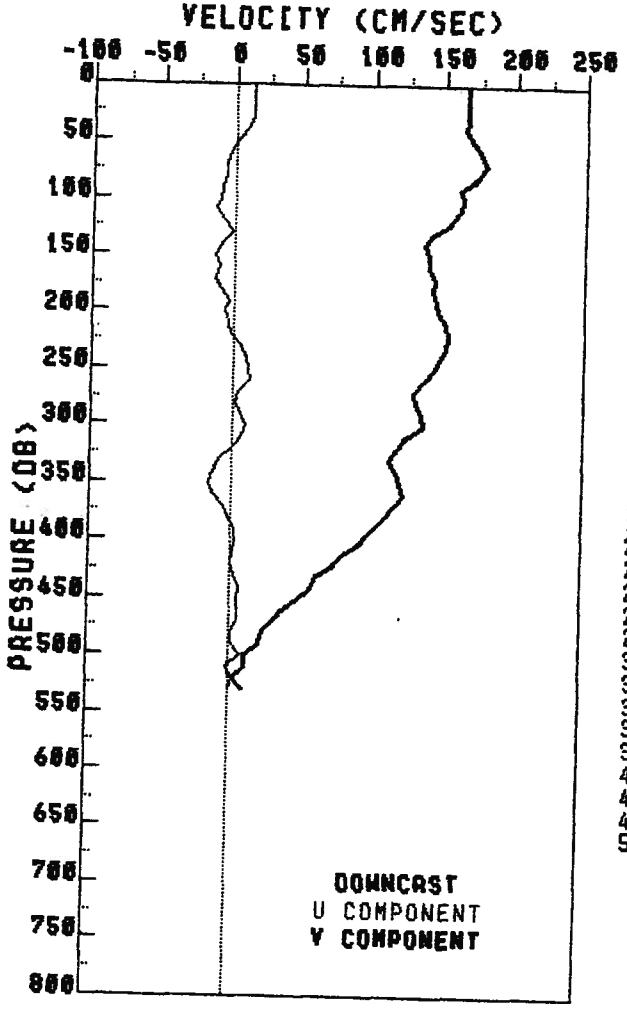


PRES	U	V
0	4.4	171.0
10	4.4	171.0
20	7.7	175.8
30	-5.1	168.6
40	-8.7	173.3
50	-13.3	179.7
60	-11.9	183.7
70	-8.5	184.1
80	0.6	180.1
90	7.9	162.3
100	1.8	149.1
110	0.5	144.3
120	3.3	139.1
130	-0.8	139.2
140	-2.8	139.2
150	3.4	139.2
160	7.8	134.9
170	17.1	123.8
180	16.8	103.1
190	4.2	89.1
200	-5.3	84.8
220	2.3	84.2
240	10.5	54.1
260	11.1	39.9
280	2.1	19.9
300	-1.6	4.9
320	-7.5	5.1
340	3.9	-4.2
360	0.1	-6.2

VK-STACS13-84 PEGASUS 061 STN 3

R/V VIRGINIA KEY JDAY 32 TIME 0441Z

LATITUDE 26.99 N LONGITUDE 79.68 W

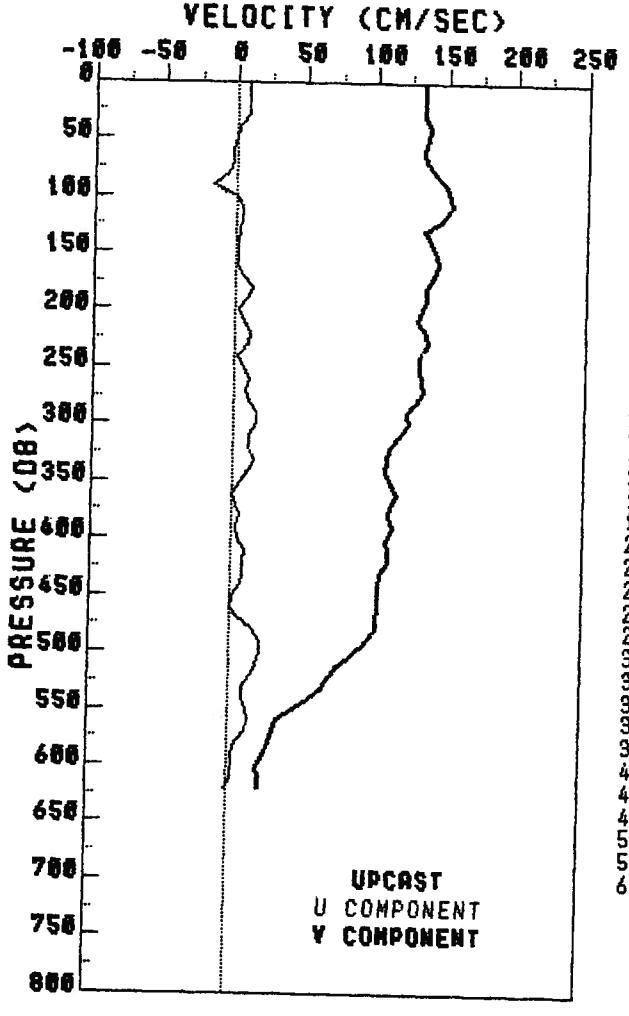


PRES	U	V
0	12.4	166.3
10	12.4	166.3
20	12.4	166.3
30	12.4	166.3
40	9.1	164.6
50	1.4	170.4
60	-3.4	174.9
70	-6.9	179.8
80	-6.9	173.3
90	-9.4	162.1
100	-10.8	162.7
110	-13.6	161.4
120	-8.3	155.0
130	-1.3	142.2
140	-8.5	137.9
150	-12.9	139.9
160	-10.9	140.4
170	-13.3	143.6
180	-9.5	143.0
190	-4.1	145.9
200	-5.9	147.1
220	-2.4	153.8
240	9.8	148.2
260	12.9	137.2
280	1.5	132.0
300	10.5	136.7
320	-0.1	119.7
340	-13.6	118.5
360	-11.2	123.2
380	-2.4	111.5
400	3.9	95.2
420	0.0	75.1
470	5.8	32.7
520	3.9	3.7

VK-STACS13-84 PEGASUS 062 STN 4

R/V VIRGINIA KEY JDAY 32 TIME 0617Z

LATITUDE 26.97 N LONGITUDE 79.61 W

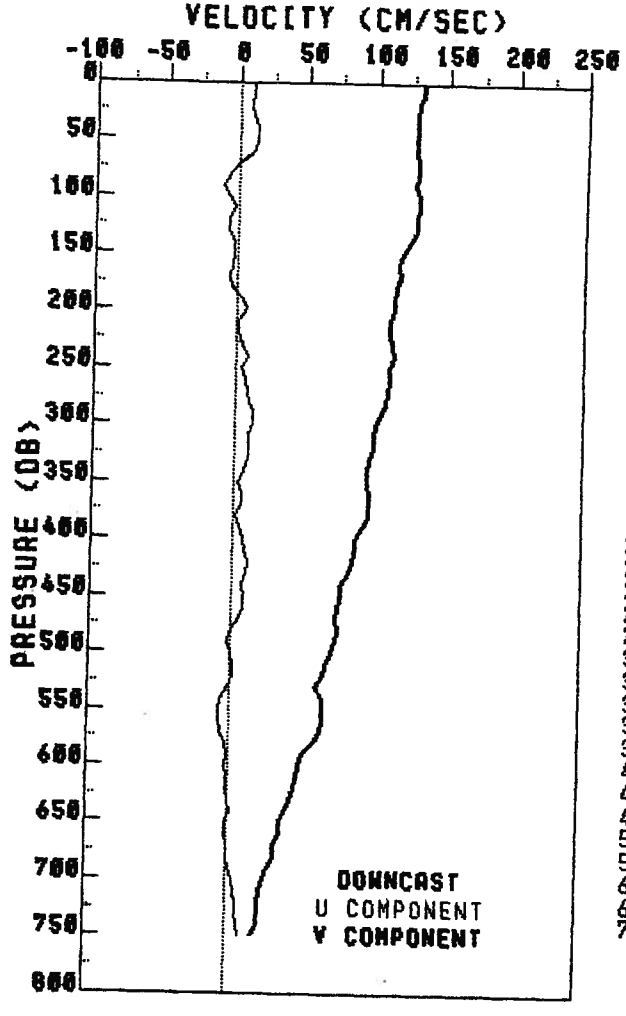


PRES	U	V
0	8.7	134.3
10	8.7	134.3
20	8.7	134.3
30	8.7	134.3
40	1.6	138.1
50	0.0	136.6
60	-3.0	134.3
70	-2.6	136.3
80	-5.5	141.8
90	-16.8	150.3
100	0.1	152.7
110	4.7	154.7
120	5.0	148.3
130	3.3	135.1
140	2.1	139.4
150	2.1	143.8
160	1.8	145.0
170	5.8	142.8
180	12.2	137.5
190	8.4	137.3
200	3.3	134.4
220	11.1	136.5
240	3.6	133.3
260	10.9	134.3
280	10.7	130.1
300	16.5	126.0
320	11.1	112.8
340	11.8	110.0
360	0.9	117.7
380	5.2	112.6
400	4.1	111.4
420	9.0	112.8
470	6.3	104.2
520	14.9	73.3
570	12.2	32.7
620	-0.9	23.6

VK-STACS13-84 PEGASUS 063 STN 5

R/V VIRGINIA KEY JDAY 32 TIME 0816Z

LATITUDE 26.99 N LONGITUDE 79.49 W

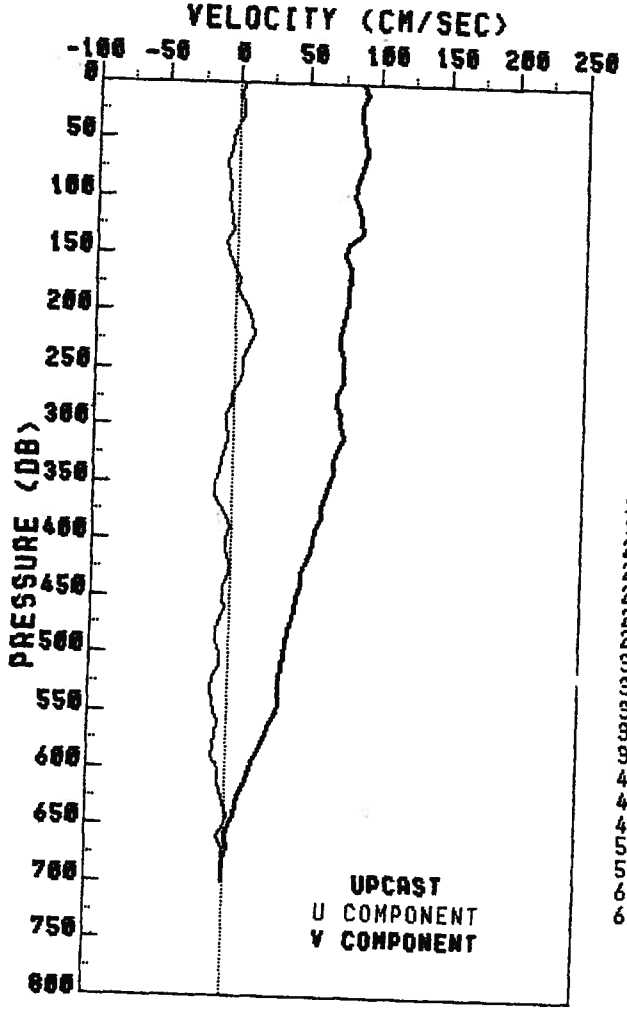


PRES	U	V
0	10.7	132.1
10	10.7	132.1
20	9.1	128.7
30	10.4	127.6
40	13.5	127.5
50	12.8	128.0
60	12.0	127.9
70	2.1	128.6
80	-6.2	128.6
90	-9.8	128.0
100	-6.0	130.8
110	-2.0	130.5
120	-6.0	129.3
130	-6.6	129.3
140	-2.2	125.5
150	-2.0	118.8
160	-3.4	117.1
170	-5.0	118.0
180	-3.7	115.1
190	4.3	114.6
200	7.8	114.4
220	1.3	110.8
240	8.1	114.2
260	7.1	111.6
280	9.6	108.4
300	12.4	101.3
320	9.9	100.1
340	7.0	95.7
360	5.4	97.0
380	2.0	97.3
400	7.4	87.6
420	11.6	86.1
470	5.4	75.7
520	1.8	66.8
570	-6.2	66.4
620	-1.0	48.0
670	0.1	35.2
720	7.0	24.0

VK-STACS13-84 PEGASUS 064 STN 6

R/V VIRGINIA KEY JDAY 32 TIME 1028Z

LATITUDE 26.99 N LONGITUDE 79.37 W

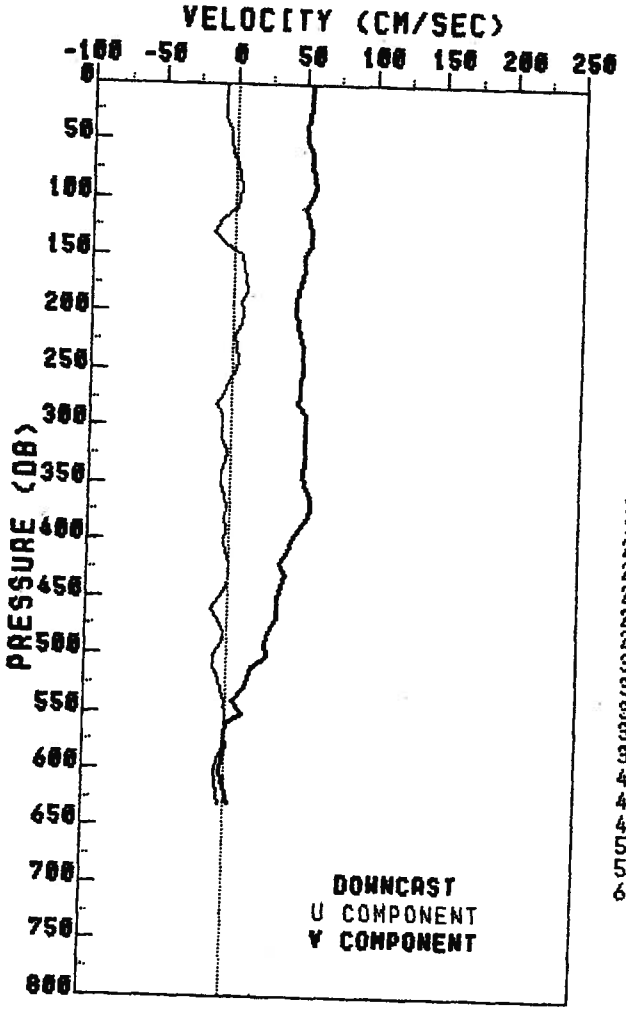


PRES	U	V
0	2.3	89.1
10	2.1	91.4
20	2.5	87.2
30	3.6	87.6
40	-1.0	89.5
50	-3.8	90.7
60	-5.6	91.8
70	-7.3	90.4
80	-6.6	87.1
90	-5.6	84.6
100	-6.1	83.6
110	-5.5	87.6
120	-4.2	89.6
130	-2.5	90.6
140	-7.5	81.0
150	-5.2	77.9
160	-0.6	82.5
170	2.9	82.7
180	1.5	81.5
190	5.3	80.7
200	10.0	79.9
220	13.9	75.3
240	5.3	78.0
260	4.1	78.7
280	-0.6	74.1
300	-5.6	77.3
320	-4.8	76.1
340	-9.2	72.1
360	-12.0	66.8
380	-3.6	63.9
400	-4.2	59.0
420	-1.6	53.2
470	-6.7	44.7
520	-10.0	36.8
570	-8.6	28.7
620	-4.2	11.6
670	-0.9	2.7

VK-STACS13-84 PEGASUS 065 STN 7

R/V VIRGINIA KEY JDAY 32 TIME 1210Z

LATITUDE 26.99 N LONGITUDE 79.28 W

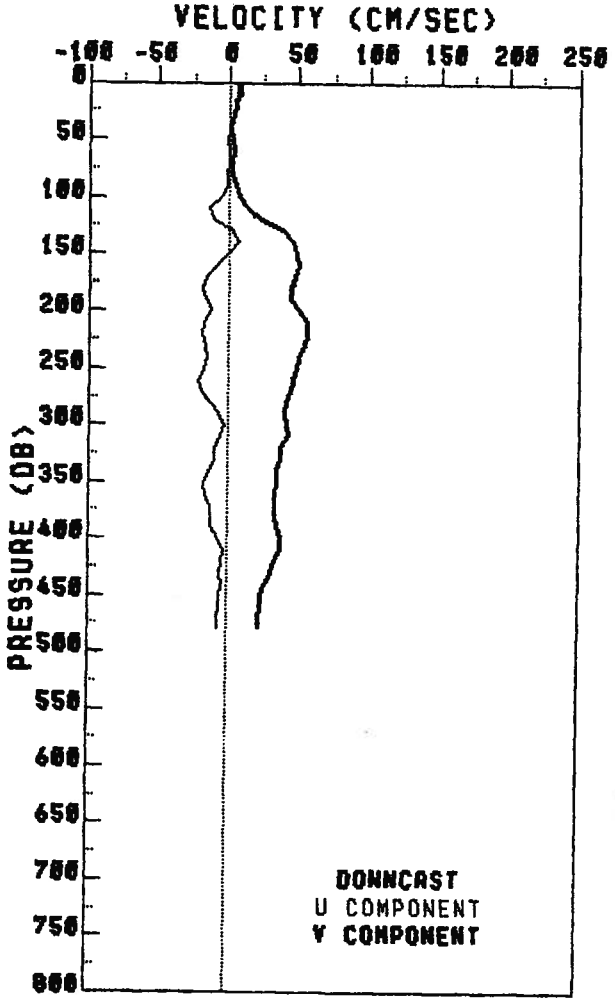


PRES	U	V
0	-8.3	53.8
10	-8.3	53.8
20	-8.3	53.8
30	-7.6	52.8
40	-2.9	51.6
50	-3.6	50.8
60	-2.0	54.8
70	1.3	55.8
80	3.1	56.0
90	4.0	57.4
100	3.8	55.0
110	2.2	51.2
120	-9.0	53.5
130	-14.1	55.5
140	-6.3	55.9
150	5.8	50.5
160	6.9	50.4
170	8.1	50.0
180	10.6	46.5
190	6.6	46.0
200	6.9	46.0
220	2.2	48.3
240	5.3	51.3
260	-2.8	50.0
280	-10.4	49.0
300	-5.8	53.4
320	-1.8	54.3
340	-6.6	51.9
360	-3.2	57.4
380	-3.3	56.1
400	-3.7	45.4
420	1.2	37.8
470	-6.5	35.9
520	-5.5	17.6
570	0.3	0.6
620	-4.6	2.4

VK-STACS13-84 PEGASUS 066 STN 8

R/V VIRGINIA KEY JDAY 32 TIME 1400Z

LATITUDE 27.00 N LONGITUDE 79.19 W

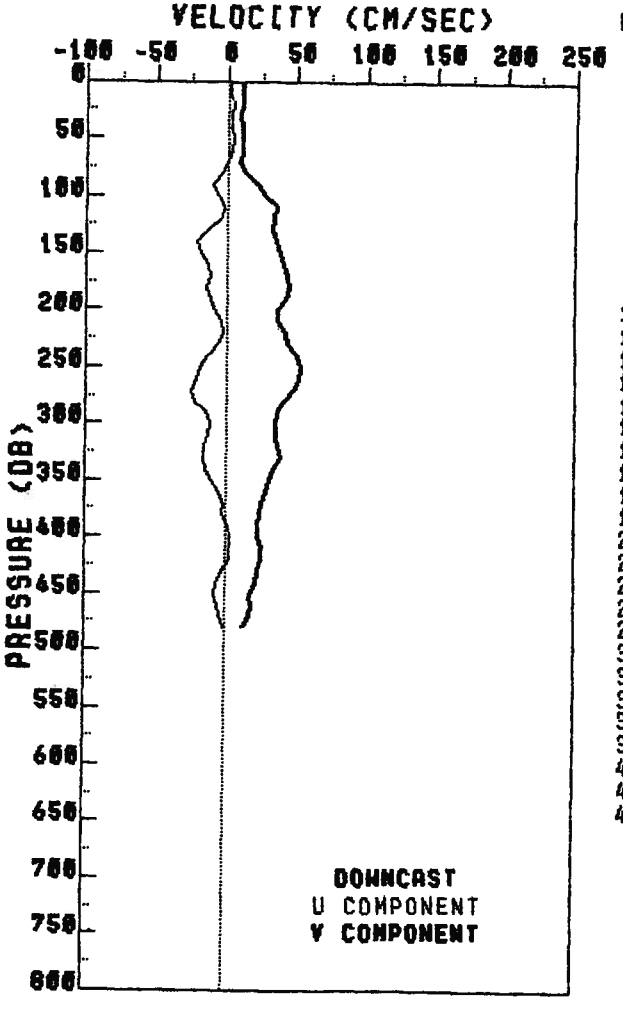


PRES	U	V
0	6.0	7.9
10	5.4	8.7
20	4.8	5.3
30	3.8	4.2
40	1.1	2.2
50	-1.0	3.2
60	-0.4	3.7
70	-0.1	3.0
80	-0.6	3.6
90	-1.7	5.2
100	-4.9	8.8
110	-13.3	14.3
120	-10.5	24.0
130	2.7	40.2
140	6.4	47.3
150	0.5	50.1
160	-7.8	51.4
170	-16.7	48.7
180	-19.2	46.0
190	-15.1	45.5
200	-12.4	50.7
220	-19.0	56.0
240	-14.4	51.1
260	-21.8	46.6
280	-11.6	42.8
300	-3.0	42.4
320	-8.9	38.2
340	-13.6	35.4
360	-16.5	34.2
380	-12.2	34.7
400	-7.2	38.5
420	-3.3	34.4
470	-6.0	23.4

VK-STACS13-84 PEGASUS 067 STN 8

R/V VIRGINIA KEY JDAY 32 TIME 2045Z

LATITUDE 26.99 N LONGITUDE 79.19 W

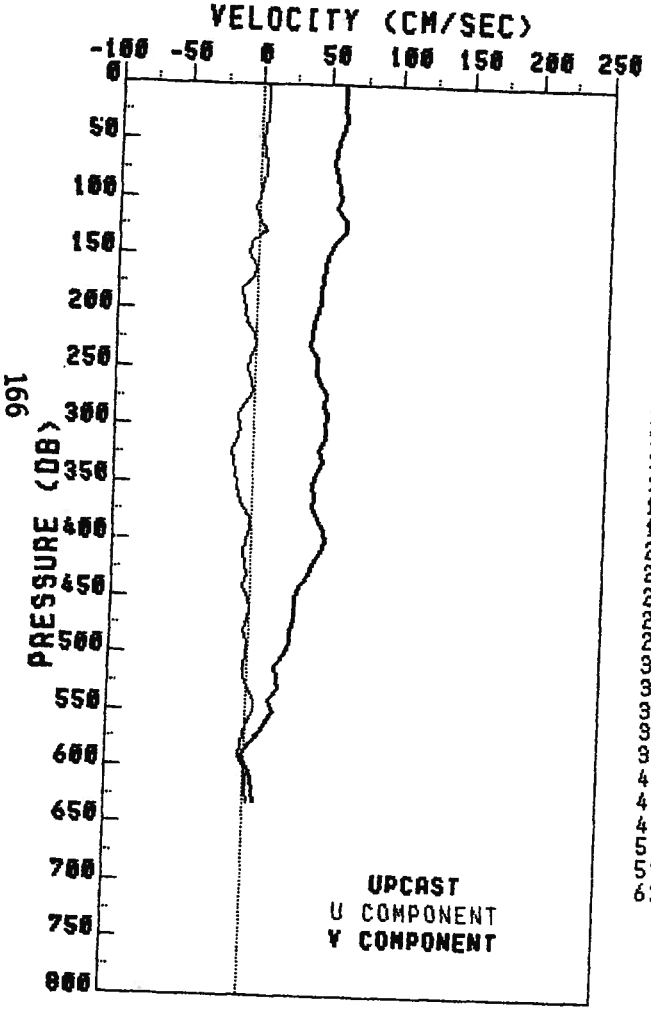


PRES	U	V
0	2.5	11.3
10	2.5	11.3
20	4.6	11.9
30	3.9	9.8
40	3.2	11.8
50	4.3	11.4
60	2.7	10.9
70	0.6	9.8
80	-4.0	14.2
90	-9.9	22.4
100	-6.2	28.1
110	-2.8	36.0
120	-3.8	35.2
130	-13.7	33.3
140	-21.3	35.7
150	-18.2	39.0
160	-12.8	41.7
170	-12.4	44.7
180	-13.9	45.1
190	-12.1	43.4
200	-9.7	37.8
220	-2.0	42.8
240	-12.8	50.7
260	-21.9	53.0
280	-22.2	41.3
300	-11.4	36.1
320	-16.2	37.9
340	-14.9	34.8
360	-4.6	29.1
380	-1.7	25.7
400	3.2	23.6
420	2.8	26.3
470	-3.0	18.9

VK-STACS13-84 PEGASUS 068 STN 7

R/V VIRGINIA KEY JDAY 32 TIME 2208Z

LATITUDE 26.99 N LONGITUDE 79.28 W

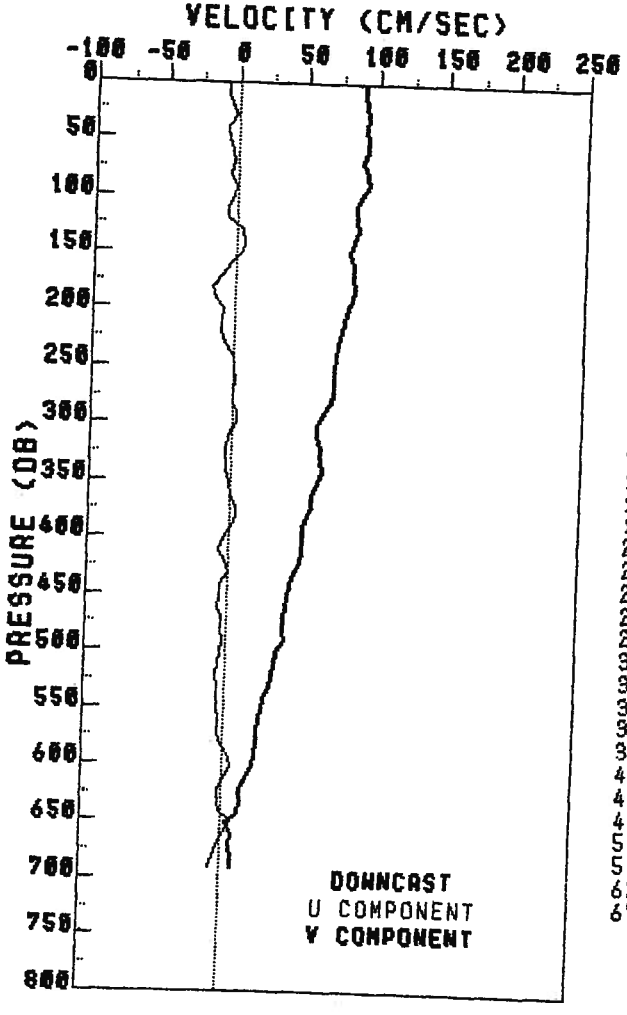


PRES	U	V
0	4.0	60.3
10	4.0	60.3
20	3.8	60.7
30	4.1	61.4
40	3.5	59.7
50	2.0	55.8
60	3.1	55.0
70	3.7	53.1
80	4.2	56.5
90	1.2	58.1
100	0.3	58.9
110	-3.0	56.8
120	0.9	63.5
130	6.2	62.5
140	-5.2	55.1
150	-6.4	51.1
160	-1.6	49.0
170	-2.7	47.8
180	-10.1	46.7
190	-9.8	46.3
200	-8.3	45.3
220	-1.4	40.6
240	-3.7	45.1
260	-3.0	46.9
280	-6.1	51.1
300	-9.1	52.4
320	-14.9	48.1
340	-11.5	46.3
360	-9.3	45.2
380	-0.9	47.6
400	-4.1	54.0
420	-3.9	45.2
470	-1.0	33.0
520	-2.7	22.2
570	-0.9	11.1
620	2.2	7.1

VK-STACS13-84 PEGASUS 069 STN 6

R/V VIRGINIA KEY JDAY 32 TIME 2350Z

LATITUDE 26.99 N LONGITUDE 79.37 W

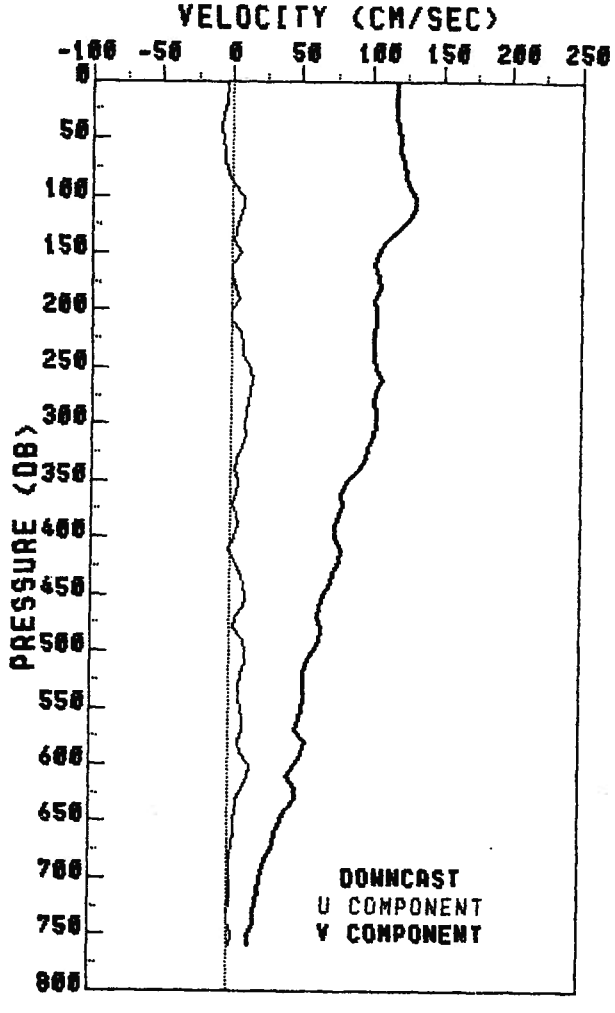


PRES	U	V
0	-7.8	91.0
10	-7.8	91.0
20	-4.9	92.2
30	-1.5	93.1
40	-7.3	92.1
50	-6.4	94.0
60	-3.4	93.3
70	-1.7	91.1
80	-5.1	93.8
90	-1.0	94.3
100	-2.1	88.9
110	-6.0	87.3
120	-6.3	86.5
130	4.9	87.7
140	6.1	85.5
150	5.1	82.7
160	-4.0	85.0
170	-9.6	84.6
180	-15.8	86.3
190	-12.8	85.7
200	-7.8	82.8
220	-9.0	78.1
240	0.0	73.8
260	1.5	73.1
280	0.8	71.0
300	2.7	62.6
320	-3.0	65.1
340	-3.7	65.8
360	1.2	59.7
380	5.3	57.3
400	-3.9	53.9
420	-2.2	53.1
470	-3.0	42.1
520	-6.0	35.3
570	-4.1	25.2
620	-1.8	14.2
670	-2.7	7.9

VK-STACS13-84 PEGASUS 070 STN 5

R/V VIRGINIA KEY JDAY 33 TIME 0152Z

LATITUDE 26.98 N LONGITUDE 79.49 W

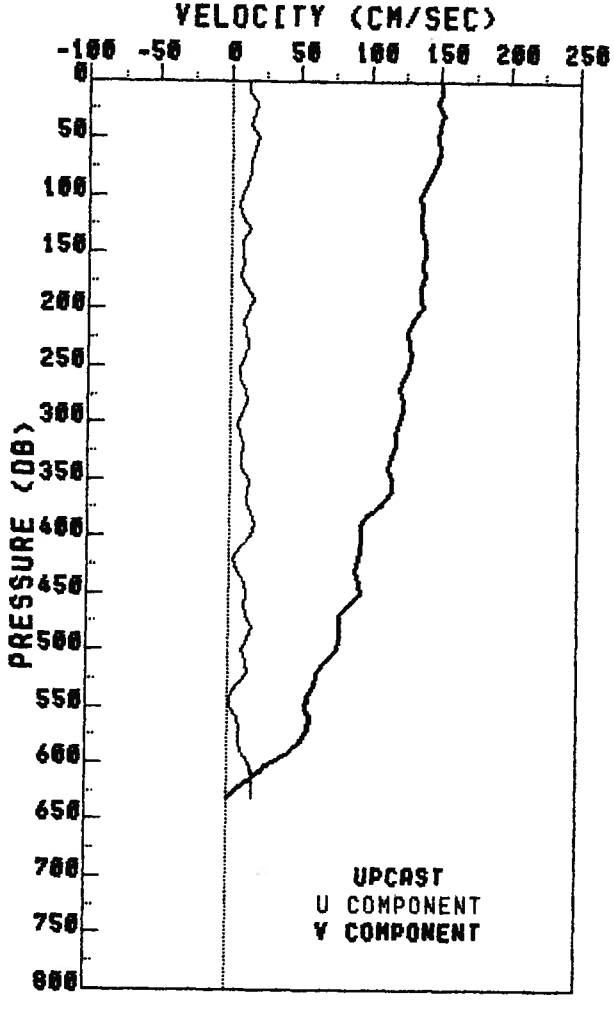


PRES	U	V
0	-3.8	117.7
10	-3.8	117.7
20	-3.7	118.0
30	-7.1	117.7
40	-7.6	119.4
50	-7.2	120.1
60	-5.8	121.0
70	-4.9	122.6
80	-1.9	124.3
90	1.6	125.7
100	8.8	131.5
110	8.4	130.9
120	5.2	127.1
130	3.5	119.1
140	2.0	110.8
150	7.4	105.7
160	0.4	103.1
170	0.1	105.5
180	3.6	107.1
190	5.6	102.4
200	0.9	104.0
220	6.7	103.3
240	9.0	102.2
260	15.7	107.8
280	12.1	103.2
300	10.3	104.7
320	7.9	98.8
340	3.6	91.9
360	4.6	79.6
380	4.0	78.7
400	2.5	75.9
420	2.5	78.8
470	4.0	63.3
520	8.6	53.3
570	10.1	47.7
620	9.9	48.4
670	2.3	33.1
720	0.9	20.5

VK-STACS13-84 PEGASUS 071 STN 4

R/V VIRGINIA KEY JDAY 33 TIME 0412Z

LATITUDE 26.97 N LONGITUDE 79.61 W

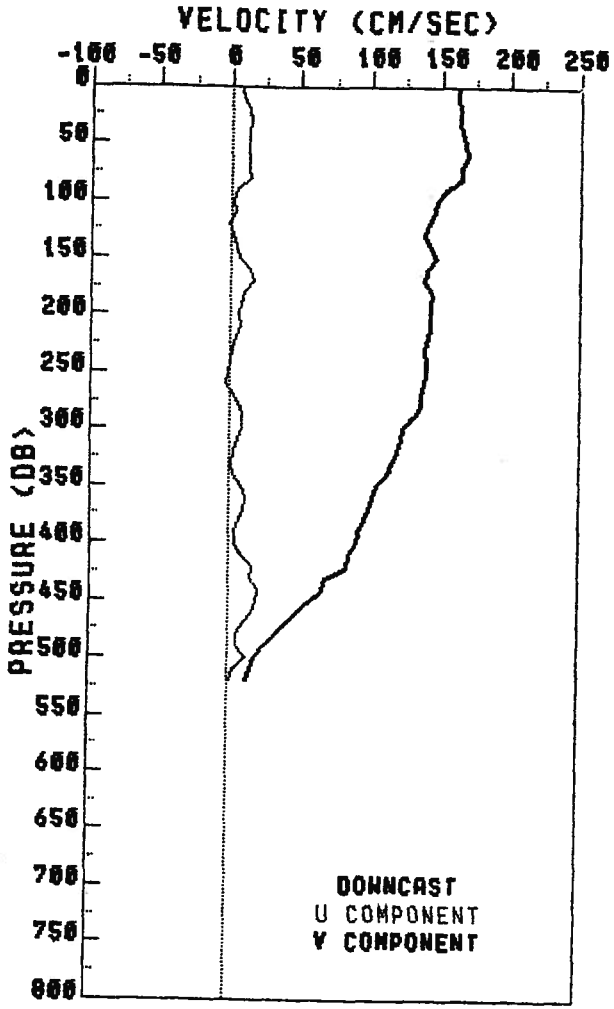


PRES	U	V
0	12.4	150.9
10	12.4	150.9
20	18.0	148.0
30	17.3	152.3
40	14.9	150.0
50	19.2	147.9
60	16.3	149.9
70	14.8	148.8
80	14.3	143.9
90	11.0	139.9
100	7.3	135.9
110	6.3	137.5
120	9.2	137.3
130	13.7	137.4
140	8.2	140.3
150	9.0	140.4
160	10.5	139.0
170	7.9	140.6
180	11.1	137.4
190	16.5	136.8
200	13.7	138.1
220	11.2	127.2
240	11.3	130.6
260	7.4	125.1
280	12.2	125.3
300	5.8	122.1
320	10.5	119.8
340	9.3	113.6
360	12.2	116.4
980	15.9	100.2
400	15.3	94.3
420	2.8	93.2
470	12.8	80.5
520	13.7	64.0
570	9.0	57.3
620	17.8	10.4

VK-STACS13-84 PEGASUS 072 STN 3

R/V VIRGINIA KEY JDAY 33 TIME 0555Z

LATITUDE 26.99 N LONGITUDE 79.68 W

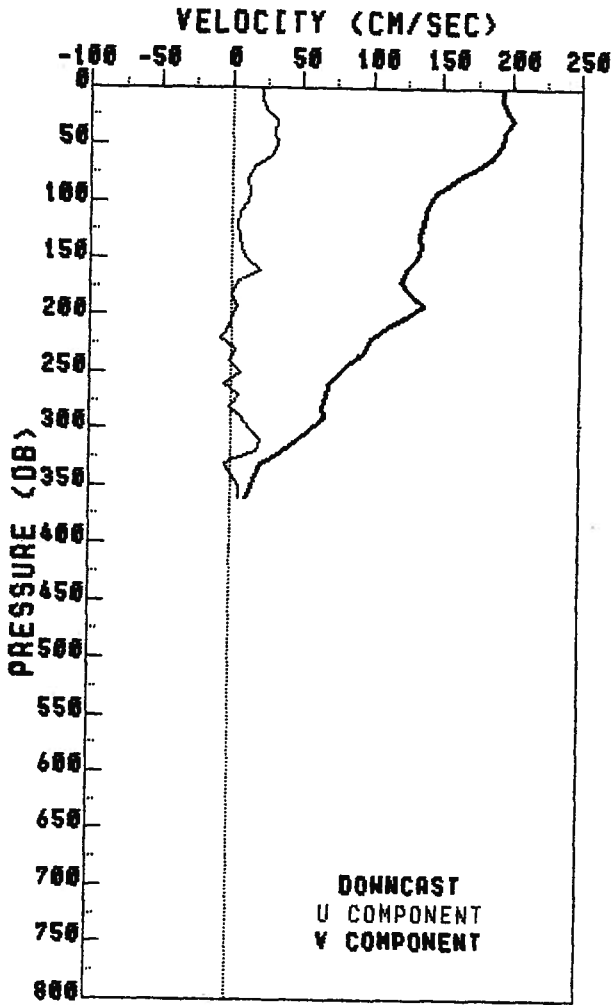


PRES	U	V
0	7.6	163.3
10	8.1	163.2
20	13.2	164.2
30	13.8	164.3
40	12.0	165.3
50	11.9	169.0
60	12.2	169.7
70	12.9	166.0
80	14.5	165.1
90	3.9	154.2
100	2.0	148.5
110	3.5	146.7
120	-0.6	142.4
130	1.1	139.2
140	3.7	144.2
150	6.4	147.4
160	13.5	141.7
170	16.6	139.8
180	10.1	144.7
190	7.3	144.2
200	5.8	143.2
220	4.4	142.2
240	0.6	140.8
260	-2.4	140.2
280	6.4	136.6
300	8.0	125.2
320	3.4	120.9
340	2.8	113.9
360	10.7	103.4
380	7.1	96.7
400	3.7	92.4
420	16.0	84.5
470	10.8	42.3
520	1.6	14.5

VK-STACS13-84 PEGASUS 073 STN 2

R/V VIRGINIA KEY JDAY 33 TIME 0803Z

LATITUDE 26.98 N LONGITUDE 79.79 W

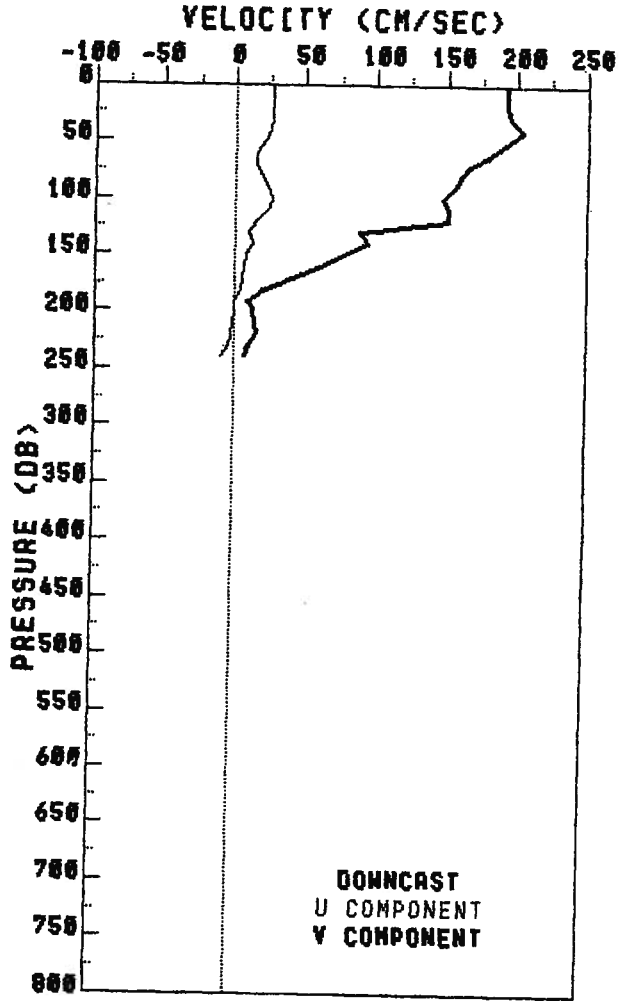


PRES	U	V
0	21.5	192.8
10	21.5	192.8
20	23.6	196.3
30	32.1	201.6
40	30.3	195.3
50	31.5	192.7
60	27.7	186.8
70	15.2	174.7
80	11.7	158.9
90	13.0	146.6
100	10.8	141.3
110	5.9	139.1
120	4.9	137.1
130	5.8	135.1
140	7.7	135.8
150	11.5	132.8
160	21.6	125.4
170	5.1	120.3
180	0.9	127.9
190	5.2	137.0
200	2.4	126.4
220	-7.6	100.8
240	-0.5	86.3
260	-5.5	70.1
280	-0.7	66.7
300	13.4	57.2
320	18.9	35.8
340	0.4	18.7
360	5.9	11.5

VK-STACS13-84 PEGASUS 074 STN 1

R/V VIRGINIA KEY JDAY 33 TIME 0923Z

LATITUDE 26.99 N LONGITUDE 79.86 W

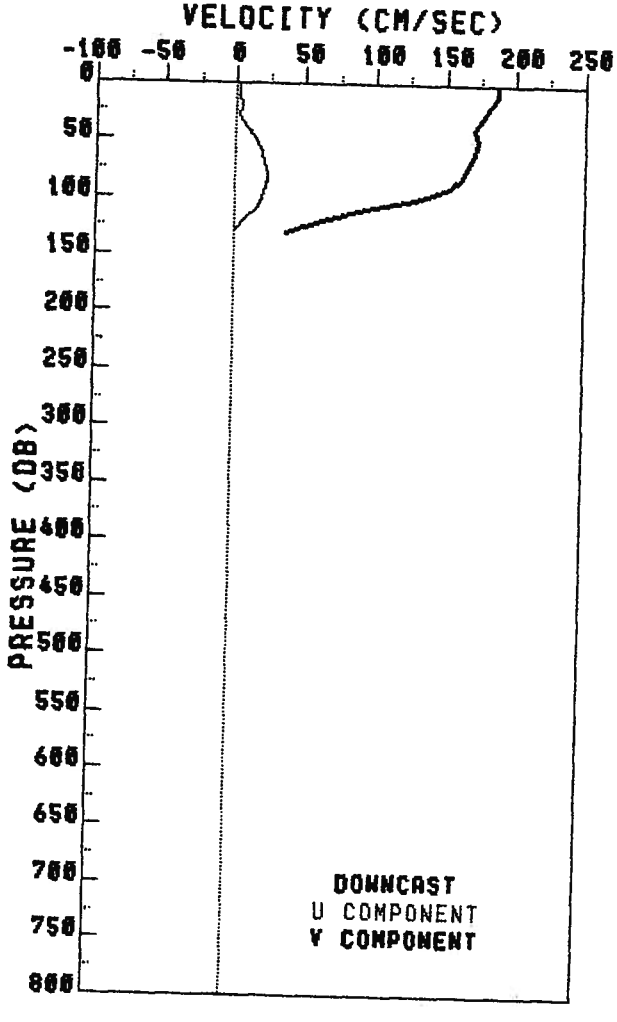


PRES	U	V
0	26.8	193.1
10	26.8	193.1
20	26.8	193.1
30	26.5	195.5
40	24.4	203.8
50	20.6	193.4
60	15.5	180.1
70	14.8	166.8
80	18.8	160.7
90	23.3	155.6
100	25.7	148.1
110	25.0	152.7
120	16.5	152.0
130	9.9	89.7
140	13.2	95.1
150	8.9	78.2
160	7.2	61.5
170	5.3	41.9
180	3.9	21.4
190	0.5	11.6
200	-0.4	13.3
220	-2.6	17.2
240	-9.9	8.9

RES-STACS14-84 PEGASUS 001 STN 0

R/V RESEARCHER JDAY 75 TIME 0549Z

LATITUDE 27.00 N LONGITUDE 79.93 W

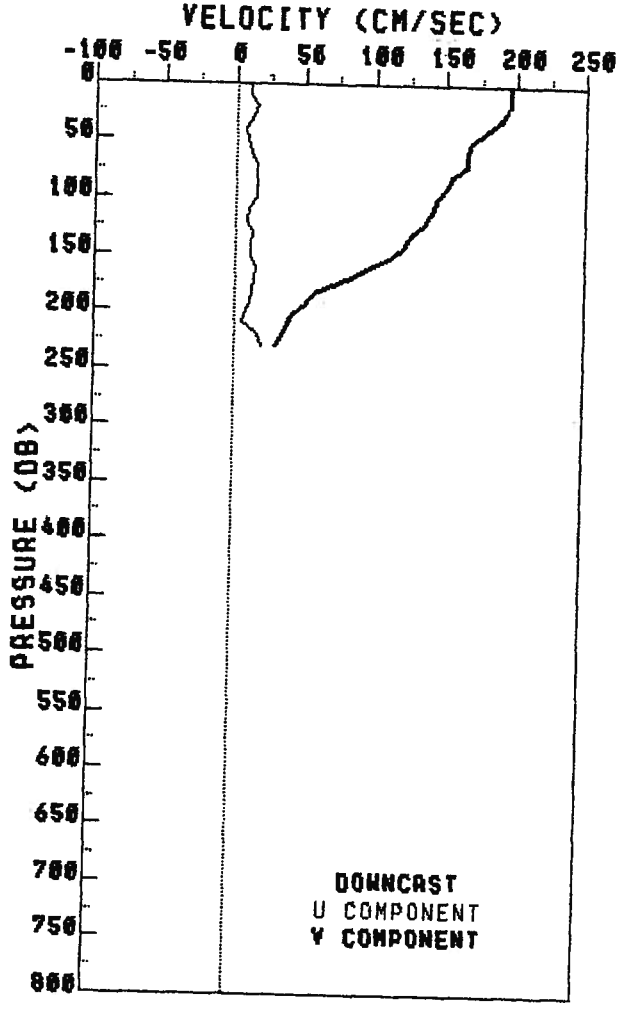


PRES	U	V
0	2.8	188.2
10	2.8	188.2
20	4.3	182.1
30	3.5	177.3
40	8.7	171.4
50	15.5	174.1
60	19.9	170.9
70	21.3	167.6
80	23.4	162.8
90	21.6	152.9
100	19.4	128.7
110	16.1	93.5
120	6.7	63.5
130	0.0	36.7

RES-STACS14-84 PEGASUS 002 STN 1

R/V RESEARCHER JDAY 75 TIME 0656Z

LATITUDE 27.00 N LONGITUDE 79.88 W

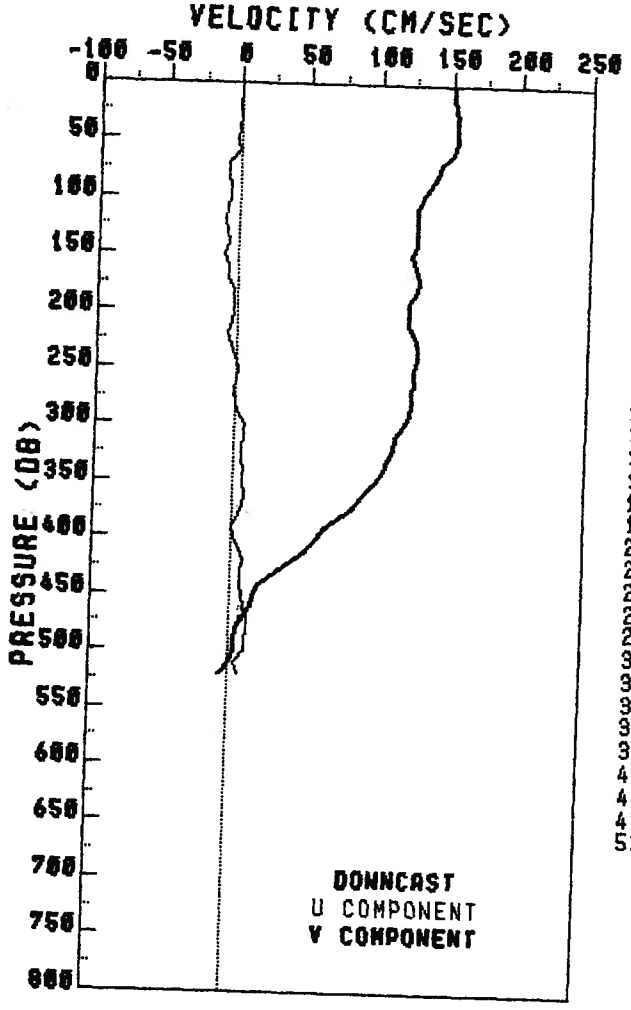


PRES	U	V
0	10.5	196.1
10	10.5	196.1
20	15.2	195.8
30	12.8	190.4
40	7.9	178.6
50	9.0	169.1
60	11.1	166.5
70	16.2	166.3
80	15.6	155.4
90	15.8	150.3
100	15.9	144.6
110	9.9	142.2
120	8.6	136.7
130	12.7	128.2
140	11.0	121.7
150	11.3	112.0
160	15.2	97.8
170	13.6	80.0
180	12.5	60.8
190	11.5	52.5
200	9.1	44.1
220	17.0	34.7

RES-STACS14-84 PEGASUS 004 STN 3

R/V RESEARCHER JDAY 75 TIME 0957Z

LATITUDE 27.00 N LONGITUDE 79.69 W

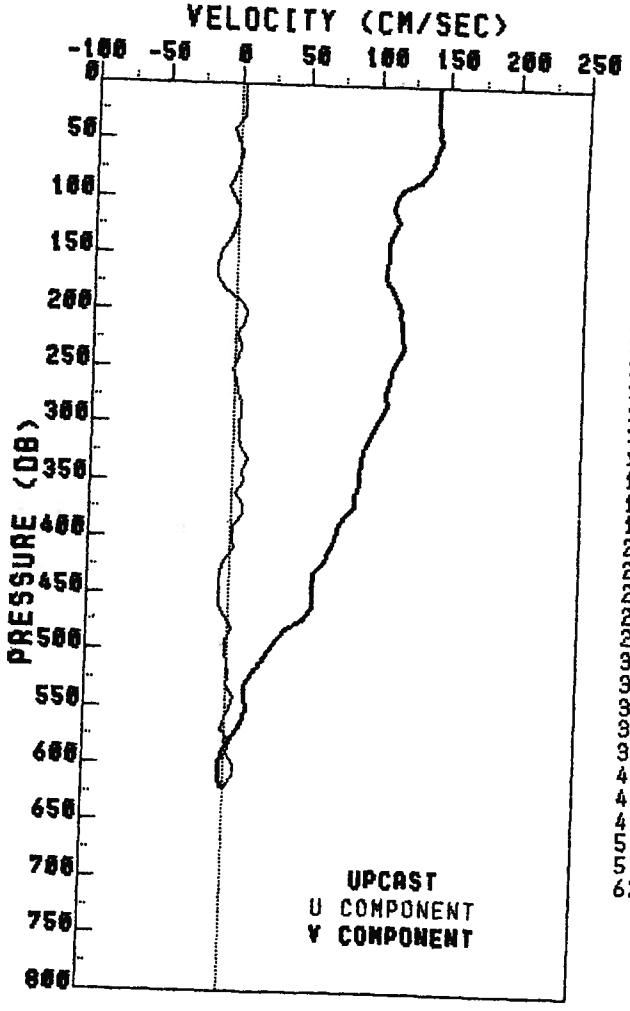


PRES	U	V
0	0.4	152.6
10	0.5	152.6
20	-0.5	153.6
30	0.0	155.1
40	-1.0	154.1
50	-1.9	154.7
60	-1.4	151.8
70	-8.4	143.2
80	-7.6	141.6
90	-6.9	135.9
100	-6.7	129.7
110	-7.6	128.0
120	-8.9	126.9
130	-8.2	127.2
140	-6.4	128.0
150	-9.0	125.1
160	-7.1	126.7
170	-6.2	129.8
180	-2.9	128.6
190	-2.6	123.8
200	-3.1	123.5
220	-6.3	127.4
240	-0.8	130.0
260	0.1	127.3
280	0.1	126.3
300	6.5	120.9
320	5.5	113.4
340	6.4	107.5
360	8.6	92.7
380	4.0	76.6
400	1.9	61.1
420	8.0	41.9
470	11.9	11.1
520	7.4	-5.9

RES-STACS14-84 PEGASUS 005 STN 4

R/V RESEARCHER JDAY 75 TIME 1150Z

LATITUDE 26.98 N LONGITUDE 79.62 W

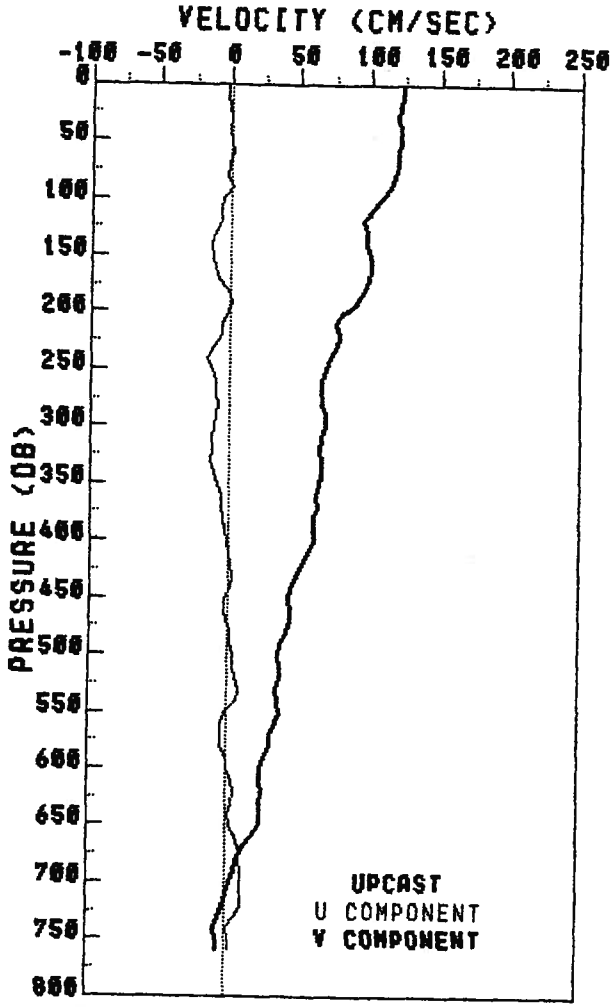


PRES	U	V
0	3.9	142.6
10	3.9	142.6
20	3.9	142.6
30	3.9	142.6
40	-2.9	143.4
50	-1.5	144.9
60	1.9	142.0
70	0.1	140.5
80	-2.0	132.5
90	-6.1	119.5
100	-1.6	113.7
110	0.2	113.2
120	0.8	116.8
130	-2.4	112.3
140	-5.9	109.2
150	-12.0	109.3
160	-12.8	108.1
170	-13.0	109.2
180	-7.8	114.2
190	3.2	117.4
200	8.3	119.6
220	2.5	121.3
240	3.7	118.7
260	2.3	112.0
280	6.4	110.8
300	4.9	103.6
320	5.6	94.7
340	7.7	92.1
360	2.6	90.1
380	8.4	82.2
400	1.6	75.3
420	-3.9	69.1
470	-2.5	54.5
520	1.3	20.1
570	-1.8	9.8
620	0.8	-1.3

RES-STACS14-84 PEGASUS 006 STN 5

R/V RESEARCHER JDAY 75 TIME 1403Z

LATITUDE 26.99 N LONGITUDE 79.50 W

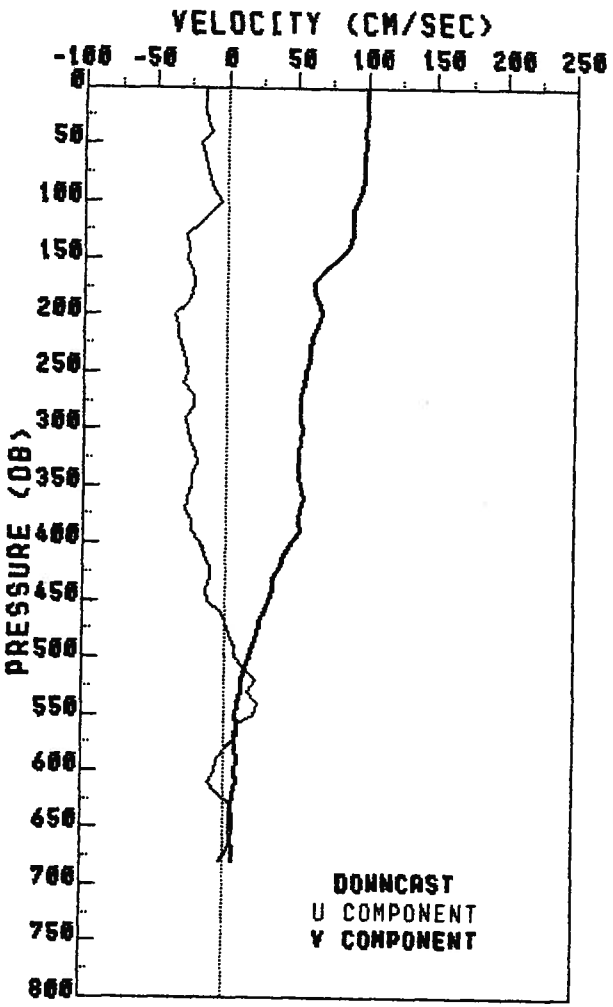


PRES	U	V
0	-2.0	122.6
10	-2.0	122.6
20	-1.2	122.1
30	-0.1	120.8
40	-1.3	121.4
50	-0.4	122.3
60	1.3	120.2
70	-0.8	120.1
80	-1.9	118.1
90	1.4	115.3
100	-5.0	108.8
110	-6.5	102.5
120	-6.0	96.6
130	-11.4	98.4
140	-13.3	98.0
150	-11.5	101.6
160	-10.3	102.0
170	-7.8	100.0
180	-1.4	97.2
190	1.1	92.5
200	-1.6	82.8
220	-5.3	78.8
240	-15.9	72.8
260	-9.9	67.7
280	-7.6	67.2
300	-10.8	69.5
320	-12.5	65.8
340	-10.3	67.3
360	-5.6	63.8
380	-3.6	62.4
400	-0.8	61.7
420	1.9	53.9
470	-0.5	45.0
520	5.7	38.3
570	-3.4	32.1
620	5.2	25.6
670	10.1	13.1
720	11.2	-0.7

RES-STACS14-84 PEGASUS 007 STN 6

R/V RESEARCHER JDAY 75 TIME 1656Z

LATITUDE 27.00 N LONGITUDE 79.38 W

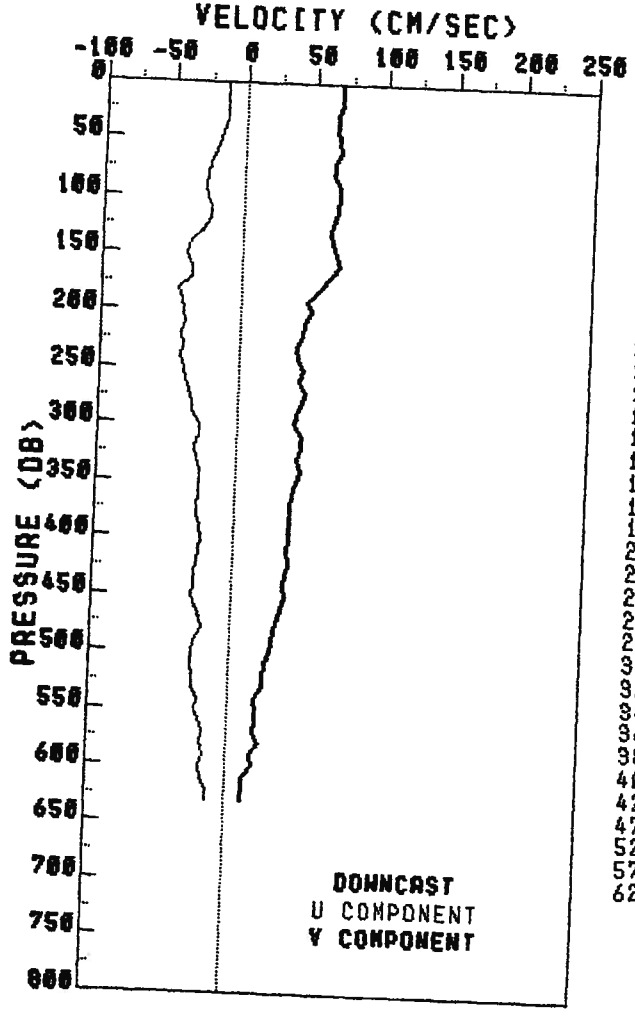


PRES	U	V
0	-15.8	100.1
10	-15.8	100.1
20	-15.8	100.1
30	-14.4	100.2
40	-11.0	99.4
50	-19.1	99.7
60	-15.4	99.1
70	-13.8	98.6
80	-12.1	98.7
90	-9.2	97.6
100	-4.0	94.0
110	-9.9	90.9
120	-19.0	90.4
130	-27.9	91.2
140	-27.3	87.6
150	-28.1	79.9
160	-24.3	71.8
170	-23.4	63.3
180	-24.1	62.9
190	-28.2	66.9
200	-35.8	69.3
220	-33.3	62.3
240	-28.3	60.6
260	-29.4	56.0
280	-22.6	53.8
300	-27.3	55.0
320	-21.3	52.6
340	-24.5	51.9
360	-27.1	56.1
380	-23.9	52.9
400	-17.3	47.3
420	-10.8	40.1
470	0.8	25.3
520	22.3	12.9
570	9.9	8.8
620	-3.3	7.9
670	3.2	6.8

RES-STACS14-84 PEGASUS 009 STN 7

R/V RESEARCHER JDAY 76 TIME 0001Z

LATITUDE 27.00 N LONGITUDE 79.29 W

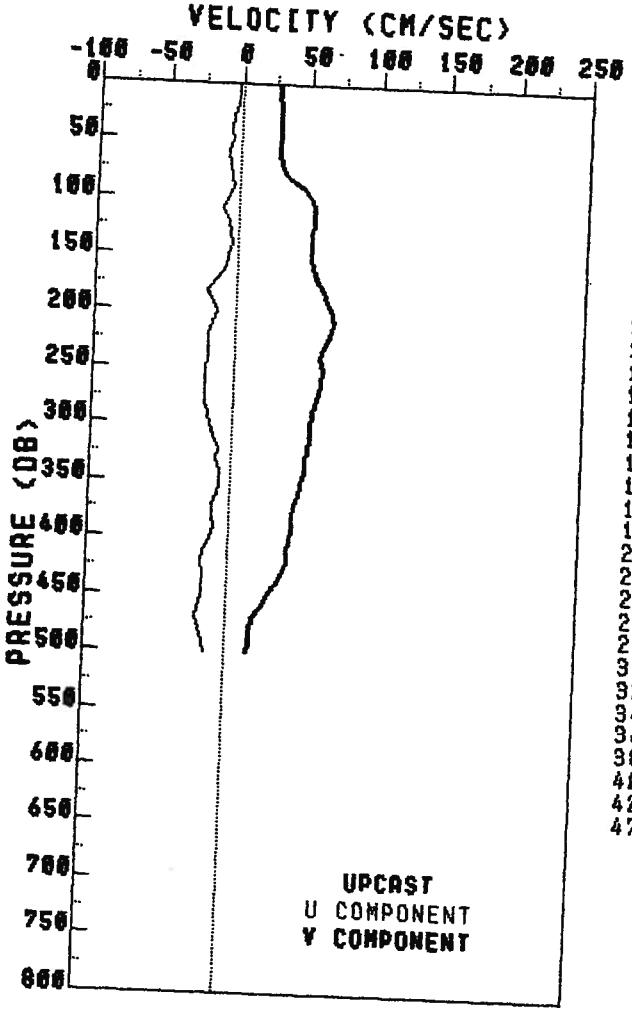


PRES	U	V
0	-13.1	68.1
10	-13.1	68.1
20	-13.2	68.4
30	-14.1	65.8
40	-15.1	65.5
50	-17.4	66.6
60	-20.5	68.1
70	-24.6	64.0
80	-25.6	64.1
90	-26.5	68.5
100	-25.8	69.1
110	-23.6	66.9
120	-23.1	65.9
130	-28.4	63.8
140	-36.1	64.4
150	-39.7	67.4
160	-35.0	70.0
170	-35.2	63.2
180	-44.5	56.2
190	-42.7	48.5
200	-41.1	50.2
220	-42.0	45.2
240	-42.1	42.7
260	-38.6	44.3
280	-33.0	47.1
300	-27.7	40.7
320	-29.2	47.2
340	-26.1	47.3
360	-25.3	41.4
380	-27.5	40.4
400	-23.5	39.8
420	-25.6	40.2
470	-21.5	34.8
520	-25.8	25.2
570	-17.0	20.0
620	-13.9	12.7

RES-STACS14-84 PEGASUS 010 STN 8

R/V RESEARCHER JDAY 76 TIME 0150Z

LATITUDE 27.01 N LONGITUDE 79.20 W

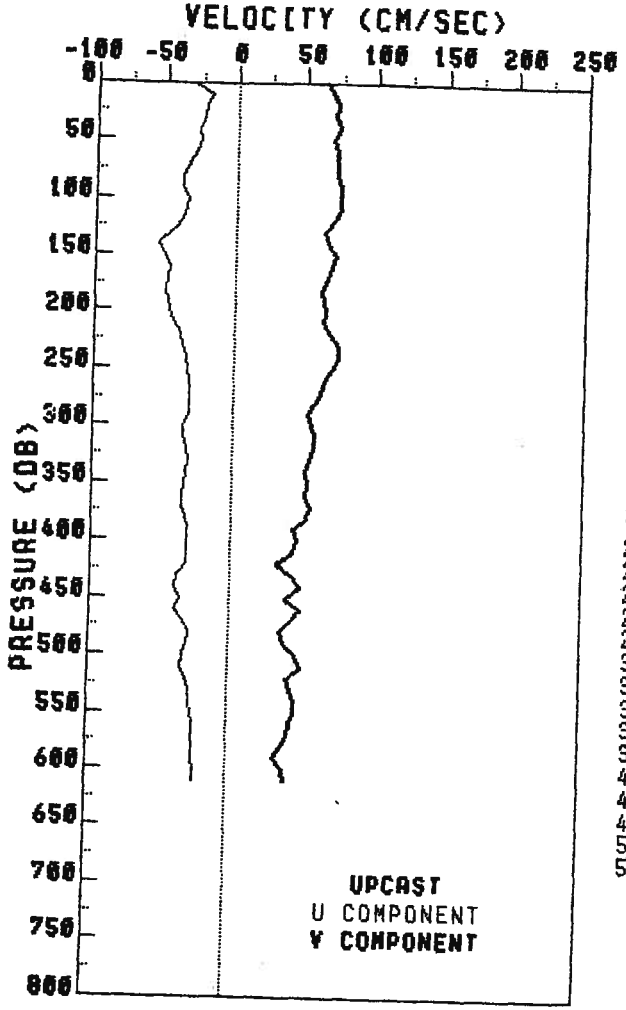


PRES	U	V
0	-2.3	27.8
10	-2.3	27.8
20	-2.8	28.6
30	-4.8	28.9
40	-6.8	28.6
50	-5.6	28.7
60	-7.7	29.3
70	-6.7	30.1
80	-4.6	35.2
90	-3.6	47.2
100	-8.0	53.4
110	-10.2	54.6
120	-6.5	55.2
130	-5.0	53.4
140	-3.1	53.3
150	-6.7	54.0
160	-7.0	55.4
170	-13.6	57.7
180	-20.3	63.4
190	-15.2	66.3
200	-13.7	69.9
220	-18.9	68.4
240	-19.0	62.0
260	-20.1	63.9
280	-19.4	59.1
300	-15.9	56.0
320	-9.7	54.6
340	-8.1	53.2
360	-9.6	49.5
380	-11.6	45.8
400	-13.7	44.9
420	-18.3	43.2
470	-21.9	19.1

RES-STACS14-84 PEGASUS 011 STN 7

R/V RESEARCHER JDAY 76 TIME 0359Z

LATITUDE 27.00 N LONGITUDE 79.28 W

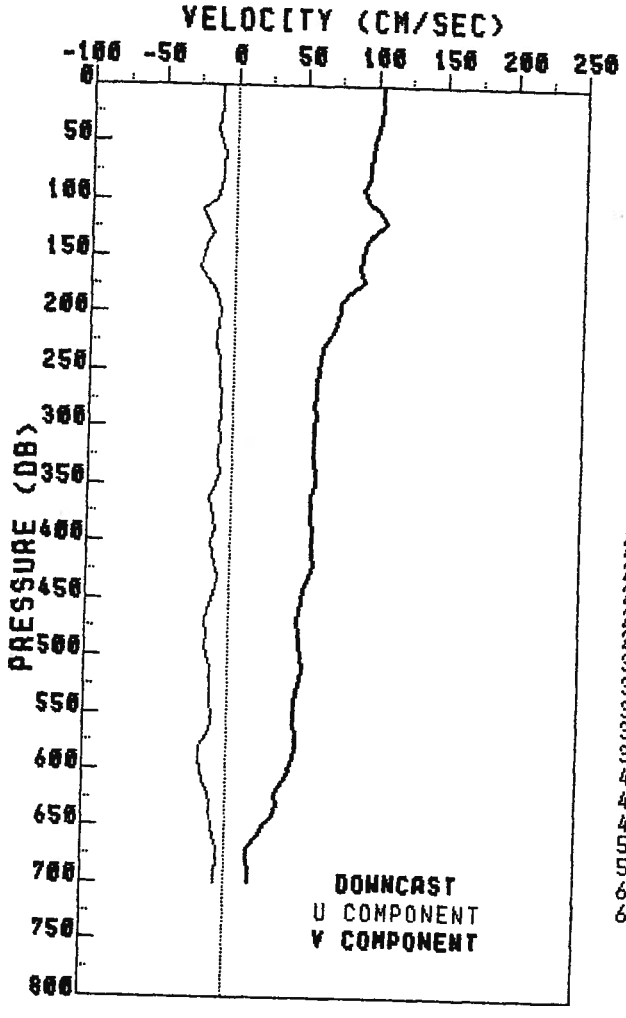


PRES	U	V
0	-30.6	64.2
10	-17.9	69.3
20	-22.1	72.3
30	-23.6	71.0
40	-27.4	74.1
50	-25.5	70.3
60	-28.2	73.0
70	-34.9	72.5
80	-38.0	72.9
90	-38.3	75.4
100	-34.4	74.8
110	-35.3	75.3
120	-37.7	71.3
130	-45.1	64.5
140	-54.0	67.7
150	-49.8	72.6
160	-46.1	70.4
170	-47.1	66.8
180	-48.7	63.3
190	-47.4	64.1
200	-45.6	65.8
220	-38.3	70.5
240	-34.4	75.9
260	-30.7	66.0
280	-30.9	58.9
300	-34.7	57.3
320	-33.2	59.0
340	-32.6	53.8
360	-34.7	53.5
380	-33.2	54.6
400	-31.4	48.6
420	-31.4	32.8
470	-34.6	45.1
520	-29.2	43.0
570	-24.2	43.5

RES-STACS14-84 PEGASUS 012 STN 6

R/V RESEARCHER JDAY 76 TIME 0553Z

LATITUDE 27.00 N LONGITUDE 79.37 W

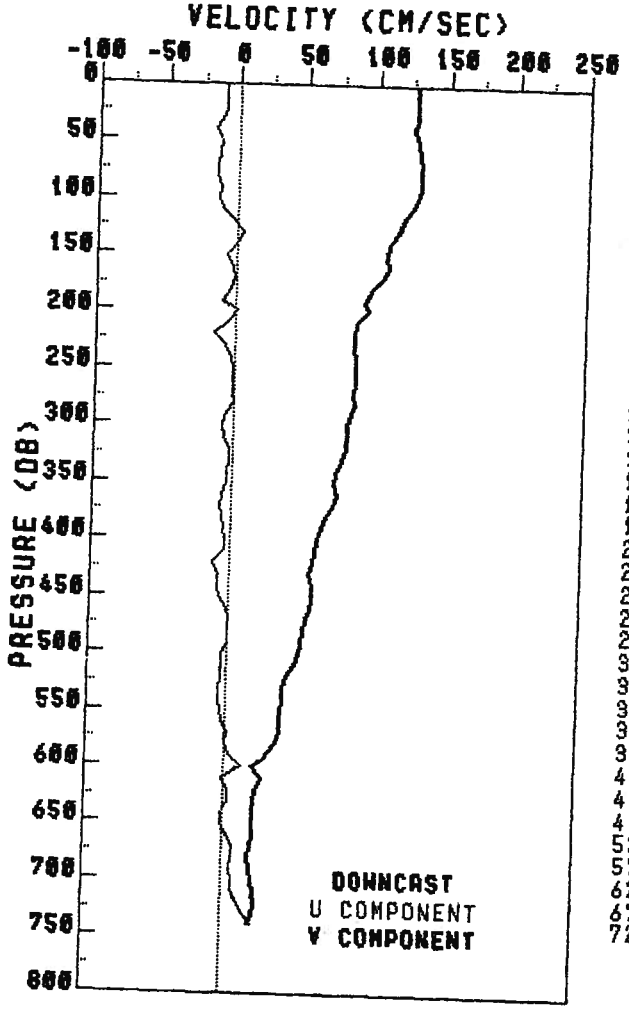


PRES	U	V
0	-9.8	104.2
10	-9.8	104.2
20	-10.2	104.6
30	-12.2	102.8
40	-13.1	101.3
50	-10.9	99.2
60	-7.4	97.3
70	-9.4	96.4
80	-8.8	95.7
90	-10.8	92.1
100	-13.6	95.2
110	-22.6	103.3
120	-18.2	108.2
130	-14.6	99.1
140	-19.9	93.1
150	-22.0	92.7
160	-24.4	90.4
170	-18.9	92.9
180	-13.3	84.5
190	-10.4	77.7
200	-9.7	77.6
220	-12.0	70.5
240	-8.9	63.0
260	-9.6	60.7
280	-7.1	59.7
300	-8.7	59.2
320	-9.0	59.7
340	-8.0	60.5
360	-14.4	57.9
380	-11.5	58.5
400	-13.0	59.1
420	-10.2	60.8
470	-15.8	49.3
520	-11.2	52.8
570	-13.8	49.4
620	-12.3	36.3
670	-4.9	17.5

RES-STACS14-84 PEGASUS 013 STN 5

R/V RESEARCHER JDAY 76 TIME 0806Z

LATITUDE 27.00 N LONGITUDE 79.50 W

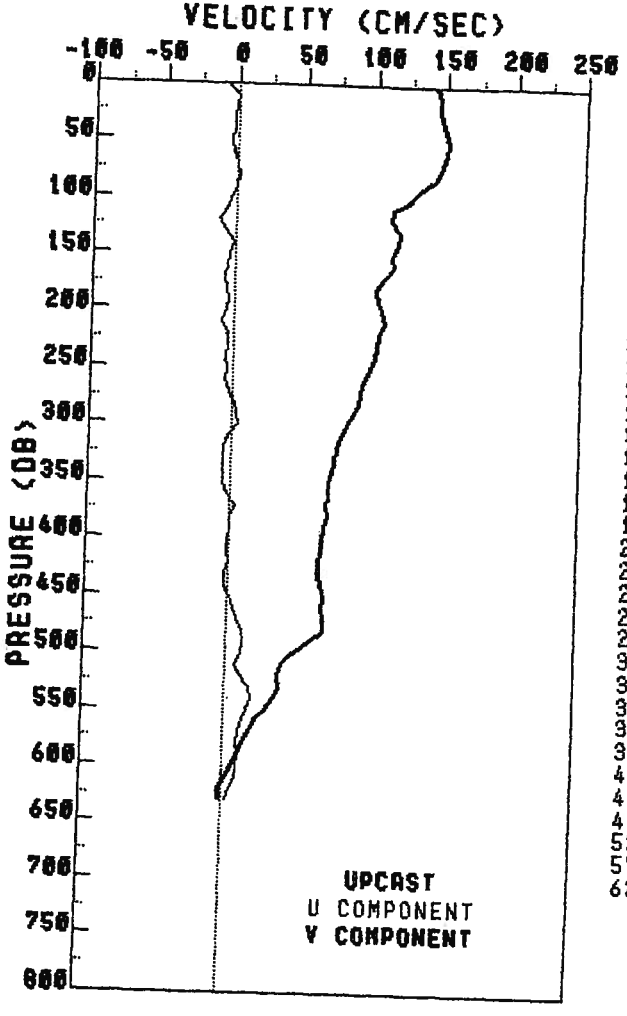


PRES	U	V
0	-8.9	127.1
10	-8.9	127.1
20	-9.0	127.1
30	-11.0	127.2
40	-15.9	126.6
50	-12.7	128.9
60	-13.8	130.6
70	-14.1	131.5
80	-15.2	131.3
90	-12.7	130.9
100	-13.1	128.9
110	-10.6	124.9
120	-2.8	119.8
130	3.8	116.2
140	0.1	109.8
150	-6.8	108.2
160	-3.1	109.8
170	-0.8	105.3
180	-9.8	97.8
190	-9.5	93.1
200	1.7	95.5
220	-14.4	85.9
240	-2.6	87.6
260	-1.5	87.3
280	0.3	87.5
300	-7.4	82.3
320	-2.5	82.4
340	-9.3	75.8
360	-6.3	76.9
380	-6.8	68.8
400	-3.6	63.1
420	-11.4	60.2
470	0.4	56.6
520	-3.5	44.7
570	1.8	39.4
620	3.1	23.5
670	7.6	21.0
720	12.6	24.8

RES-STACS14-84 PEGASUS 014 STN 4

R/V RESEARCHER JDAY 76 TIME 1015Z

LATITUDE 26.98 N LONGITUDE 79.62 W

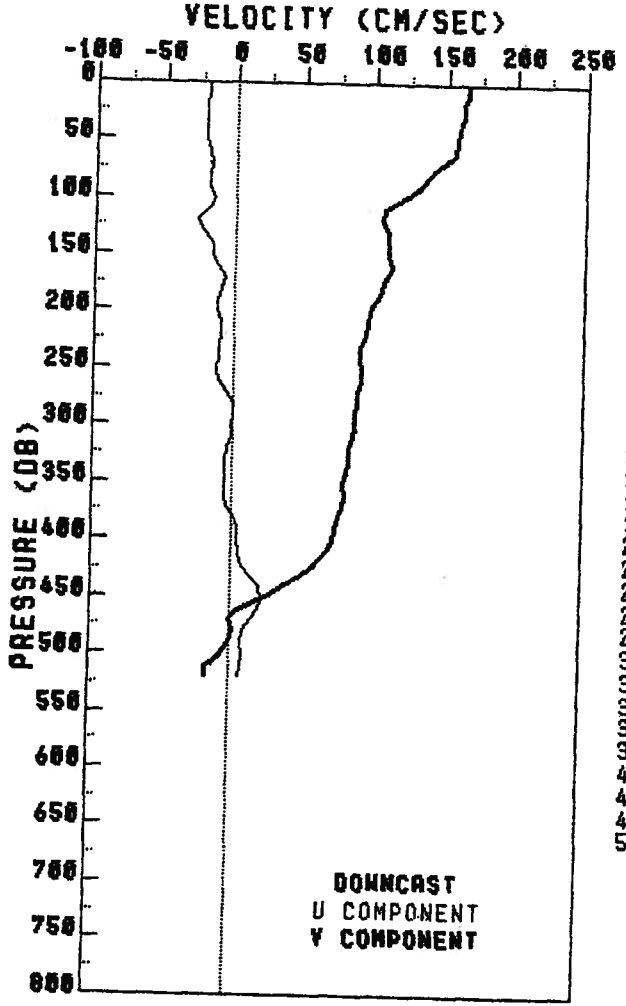


PRES	U	V
0	-8.1	142.6
10	0.1	144.9
20	-1.3	144.8
30	-2.8	147.3
40	-2.6	149.4
50	-4.2	152.1
60	-2.7	150.4
70	0.2	148.4
80	1.8	143.5
90	0.1	134.5
100	-4.1	125.9
110	-4.5	114.2
120	-11.1	112.8
130	-6.7	119.4
140	-0.3	118.4
150	-3.4	113.6
160	-5.3	114.8
170	-7.0	109.0
180	-5.6	103.3
190	-3.3	105.1
200	-5.4	107.0
220	-2.9	105.4
240	-4.4	102.9
260	-4.7	96.8
280	2.1	91.6
300	4.5	84.6
320	-5.0	77.5
340	-4.9	73.9
360	-2.3	70.9
380	0.5	71.1
400	-1.0	67.8
420	0.2	66.0
470	7.9	70.0
520	10.8	38.2
570	11.2	19.4
620	5.7	-0.3

RES-STACS14-84 PEGASUS 015 STN 3

R/V RESEARCHER JDAY 76 TIME 1144Z

LATITUDE 26.99 N LONGITUDE 79.69 W

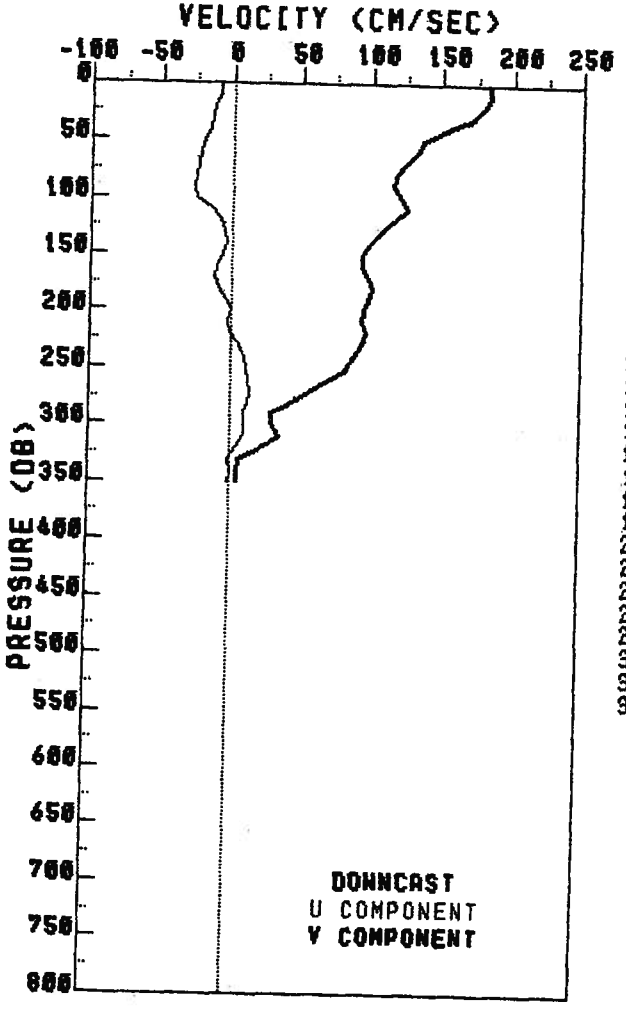


PRES	U	V
0	-20.4	166.2
10	-20.4	166.2
20	-21.4	162.5
30	-21.5	162.4
40	-21.2	160.0
50	-22.0	158.2
60	-19.5	157.0
70	-18.0	148.3
80	-19.4	140.1
90	-18.7	133.0
100	-14.4	118.7
110	-19.6	107.9
120	-26.7	106.2
130	-23.4	111.3
140	-16.0	110.7
150	-15.9	111.1
160	-11.6	113.7
170	-6.6	109.9
180	-9.2	106.9
190	-12.2	102.5
200	-11.4	99.0
220	-9.2	96.4
240	-10.1	91.3
260	-11.3	92.6
280	0.6	89.9
300	-1.2	88.6
320	-4.5	85.6
340	-4.7	84.1
360	-5.0	82.0
380	1.1	78.3
400	4.1	73.8
420	6.5	61.5
470	15.2	0.8
520	7.4	-15.9

RES-STACS14-84 PEGASUS 016 STN 2

R/V RESEARCHER JDAY 76 TIME 1403Z

LATITUDE 26.99 N LONGITUDE 79.80 W

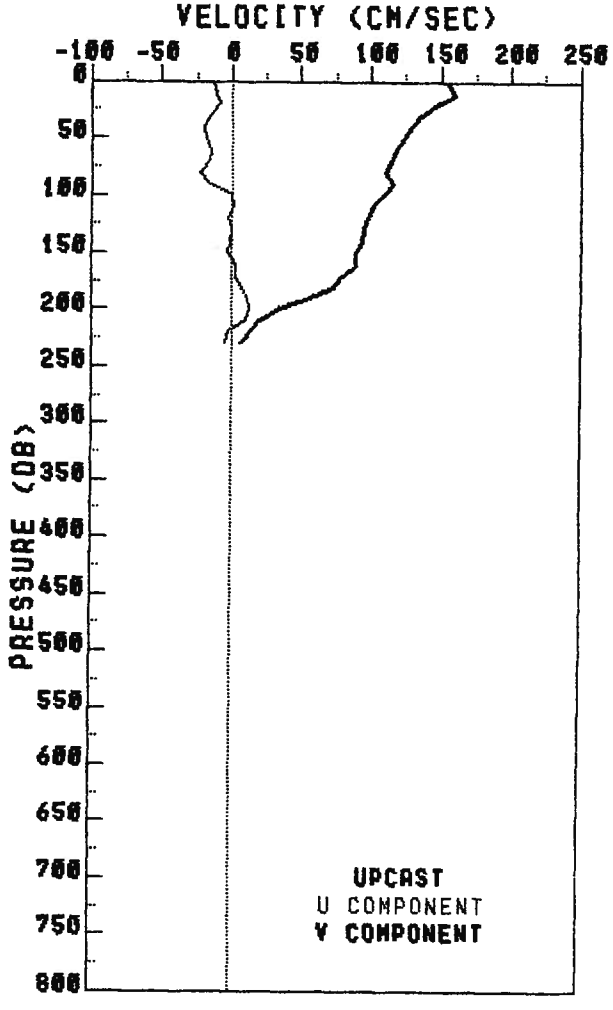


PRES	U	V
0	-8.7	183.9
10	-8.7	183.9
20	-13.5	180.3
30	-15.1	173.0
40	-15.6	151.6
50	-19.8	137.7
60	-22.7	133.4
70	-24.4	125.4
80	-24.9	117.8
90	-26.5	116.3
100	-24.9	121.7
110	-15.0	126.6
120	-7.6	116.7
130	-4.5	108.3
140	-3.9	100.3
150	-6.0	95.0
160	-10.4	95.4
170	-11.5	99.3
180	-8.5	101.2
190	-4.0	99.1
200	0.1	96.3
220	-0.3	97.0
240	9.6	90.1
260	12.8	70.4
280	12.2	42.6
300	9.4	30.9
320	5.0	22.4
340	0.0	6.0

RES-STACS14-84 PEGASUS 017 STN 1

R/V RESEARCHER JDAY 76 TIME 1528Z

LATITUDE 27.00 N LONGITUDE 79.88 W

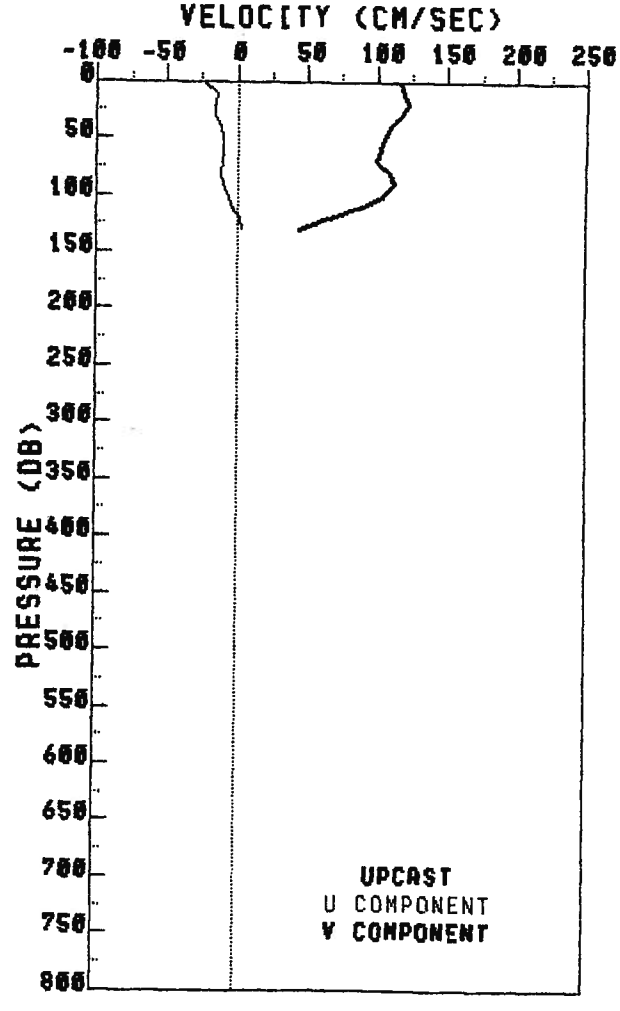


PRES	U	V
0	-14.0	155.5
10	-10.1	160.5
20	-7.6	148.5
30	-15.3	136.5
40	-20.5	129.7
50	-18.8	124.0
60	-14.6	118.6
70	-16.8	114.9
80	-22.5	111.4
90	-16.7	115.8
100	0.1	109.9
110	1.9	102.2
120	-2.9	99.3
130	0.1	96.4
140	-1.6	95.2
150	-3.0	90.8
160	2.6	90.8
170	2.4	80.6
180	7.0	74.3
190	10.6	53.7
200	13.1	35.0
220	-2.2	13.3

RES-STACS14-84 PEGASUS 018 STN 0

R/V RESEARCHER JDAY 76 TIME 1640Z

LATITUDE 27.00 N LONGITUDE 79.93 W

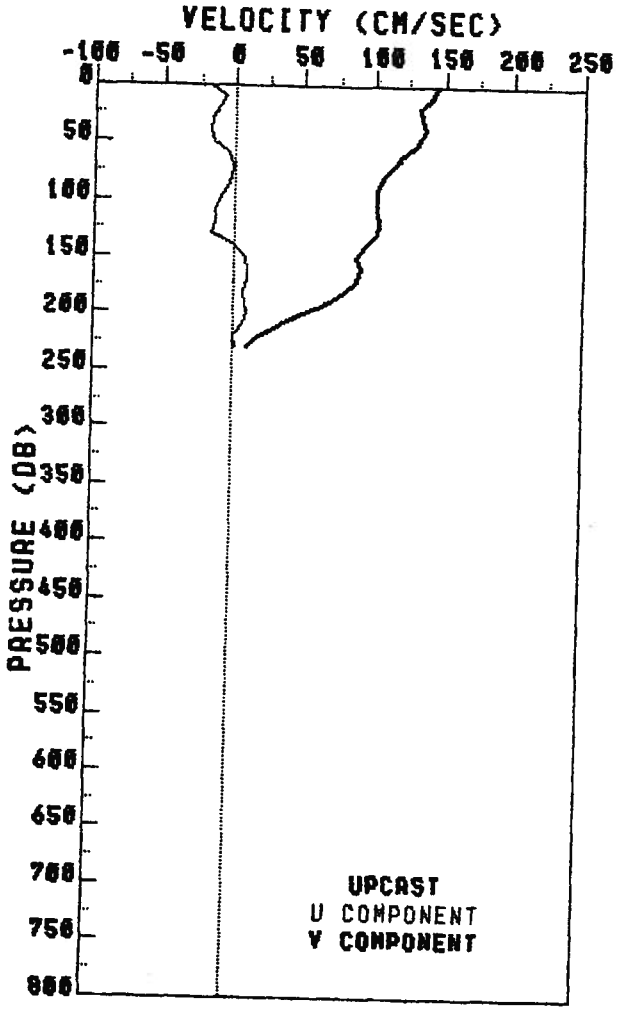


PRES	U	V
0	-24.0	116.1
10	-13.9	119.6
20	-16.2	121.7
30	-16.0	118.6
40	-12.4	109.9
50	-10.6	106.3
60	-10.4	103.1
70	-10.8	100.2
80	-11.8	110.3
90	-10.2	112.8
100	-6.4	104.1
110	-4.5	90.0
120	1.4	65.6
130	3.4	44.4

RES-STACS14-84 PEGASUS 019 STN 1

R/V RESEARCHER JDAY 76 TIME 1836Z

LATITUDE 27.00 N LONGITUDE 79.88 W

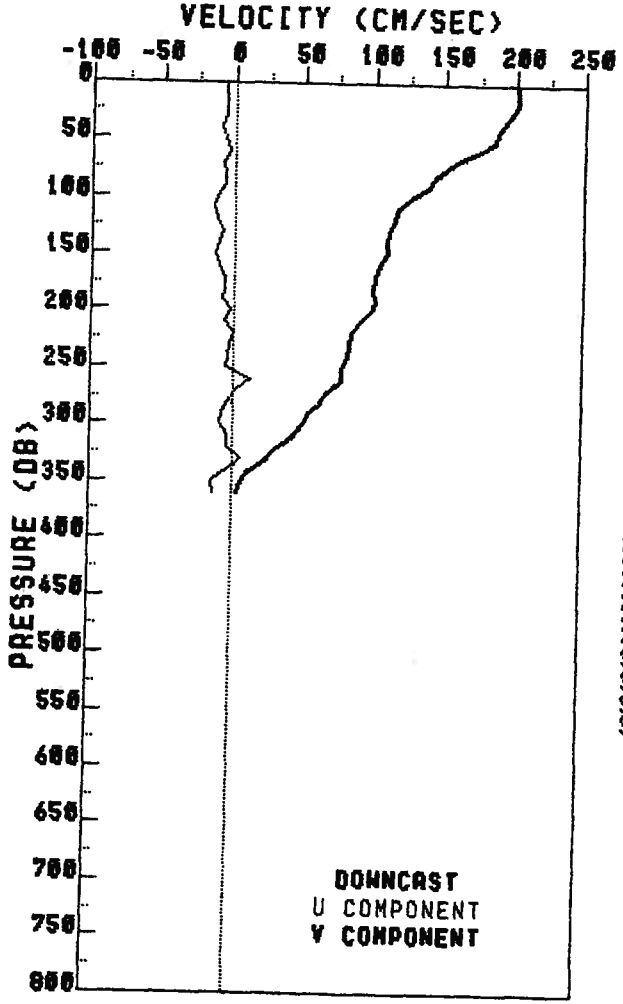


PRES	U	V
0	-17.8	144.9
10	-7.1	140.5
20	-10.9	133.4
30	-16.2	134.0
40	-17.2	136.6
50	-14.7	132.0
60	-3.7	122.5
70	-1.4	115.5
80	-3.0	106.4
90	-5.0	102.8
100	-10.8	102.4
110	-13.6	102.7
120	-13.4	103.9
130	-15.5	103.2
140	0.4	94.5
150	7.9	88.5
160	9.3	92.2
170	9.4	88.9
180	7.2	79.5
190	8.7	66.7
200	9.2	50.9
220	0.8	19.7

RES-STACS14-84 PEGASUS 020 STN 2

R/V RESEARCHER JDAY 76 TIME 2207Z

LATITUDE 26.99 N LONGITUDE 79.79 W

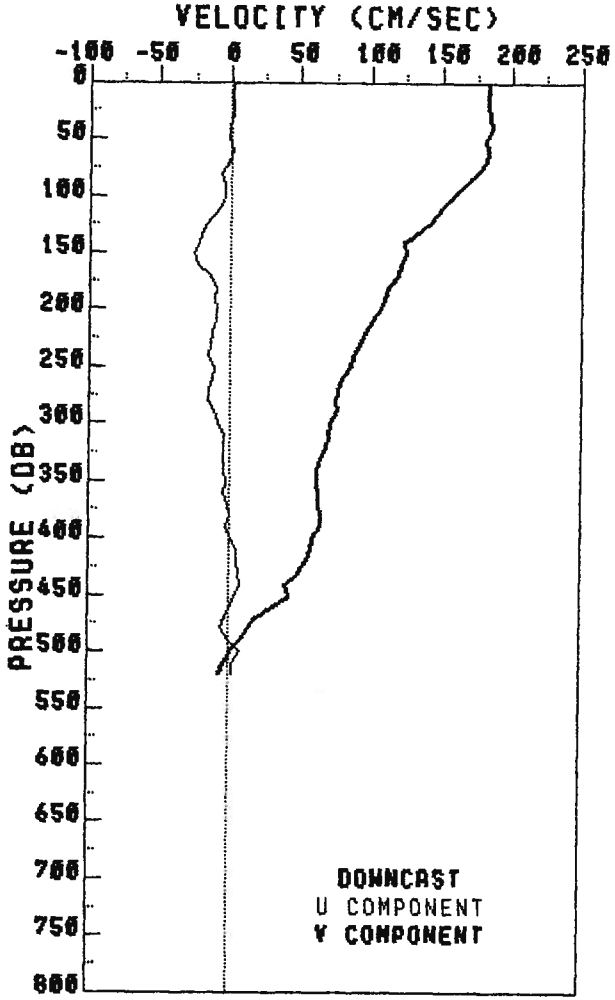


PRES	U	V
0	-6.7	202.1
10	-6.7	202.1
20	-5.7	201.9
30	-6.5	195.8
40	-8.7	189.4
50	-6.2	185.9
60	-9.9	173.3
70	-7.2	156.4
80	-6.6	145.9
90	-6.6	140.6
100	-11.4	126.9
110	-14.9	118.3
120	-12.0	115.8
130	-8.3	110.9
140	-10.0	109.3
150	-12.9	109.8
160	-10.2	104.0
170	-6.7	101.0
180	-6.9	101.0
190	-7.6	101.3
200	-2.6	100.3
220	1.0	85.8
240	-3.2	82.3
260	12.5	78.1
280	-4.1	62.9
300	-9.3	50.7
320	-4.1	33.6
340	-3.5	13.0
360	-12.6	5.2

RES-STACS14-84 PEGASUS 021 STN 3

R/V RESEARCHER JDAY 77 TIME 0142Z

LATITUDE 27.00 N LONGITUDE 79.68 W

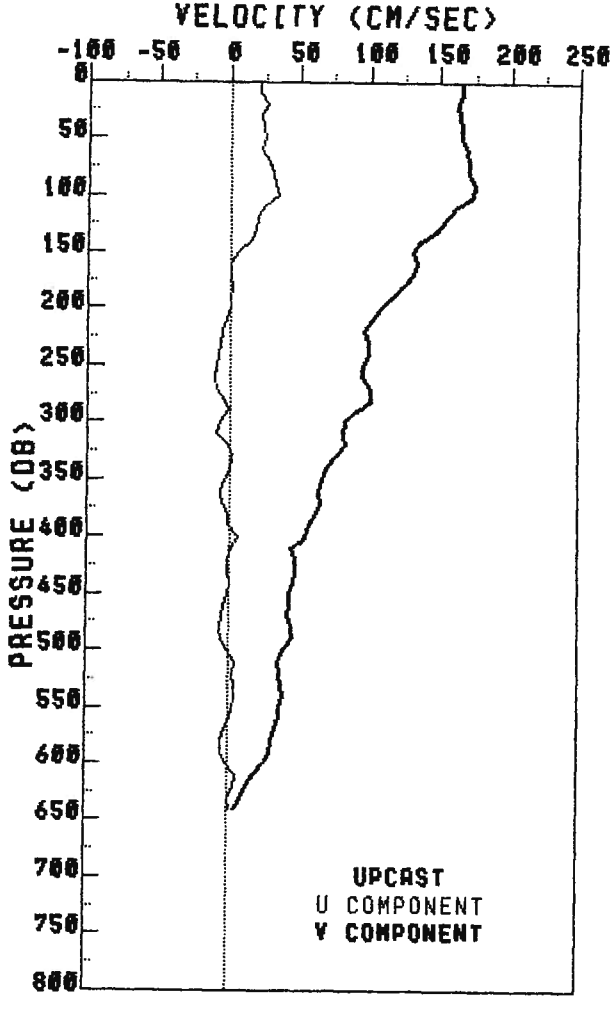


PRES	U	V
0	1.6	183.3
10	1.6	183.3
20	1.6	183.3
30	1.5	185.4
40	-0.7	185.7
50	-0.7	182.2
60	2.2	183.6
70	-1.1	182.1
80	-6.2	175.3
90	-4.1	167.4
100	-3.3	158.8
110	-6.8	151.4
120	-13.8	144.8
130	-19.0	135.2
140	-21.7	125.3
150	-25.5	126.4
160	-23.2	122.3
170	-12.9	120.8
180	-9.4	114.1
190	-11.0	111.3
200	-9.5	108.0
220	-11.9	97.5
240	-14.7	89.8
260	-11.8	80.9
280	-15.2	77.2
300	-7.8	72.8
320	-3.3	69.5
340	-4.4	62.6
360	-3.3	64.9
380	0.5	65.7
400	1.7	60.8
420	6.3	56.4
470	-2.9	20.7
520	3.0	-4.7

RES-STACS14-84 PEGASUS 022 STN 4

R/V RESEARCHER JDAY 77 TIME 0442Z

LATITUDE 26.98 N LONGITUDE 79.61 W

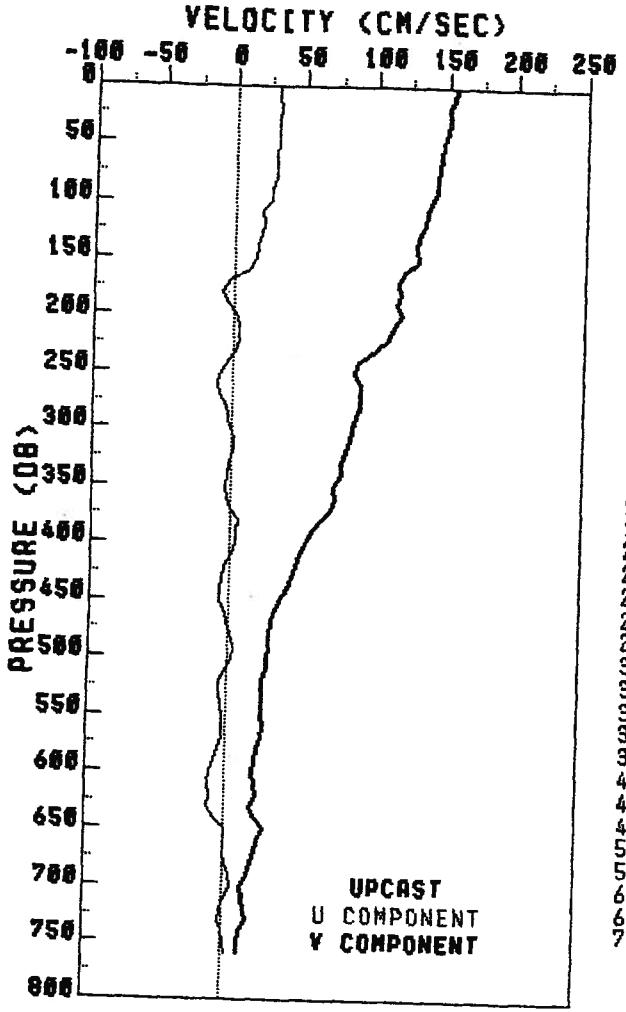


PRES	U	V
0	21.1	166.6
10	21.1	166.6
20	26.4	163.8
30	22.4	164.8
40	24.4	165.9
50	24.7	166.6
60	23.0	169.7
70	28.3	171.1
80	30.4	172.1
90	32.2	175.3
100	34.3	173.7
110	25.0	162.7
120	19.6	156.0
130	18.2	149.5
140	15.8	137.9
150	6.5	131.3
160	0.4	134.2
170	0.2	131.7
180	1.4	124.6
190	0.8	116.8
200	0.2	110.3
220	-5.2	97.8
240	-7.8	100.4
260	-10.9	96.4
280	-4.2	101.1
300	-6.6	83.8
320	-1.3	84.1
340	0.2	70.3
360	-6.6	64.7
380	-1.2	63.0
400	6.4	54.8
420	-0.9	48.9
470	-5.5	42.8
520	3.4	37.5
570	-1.5	34.1
620	4.8	14.4

RES-STACS14-84 PEGASUS 023 STN 5

R/V RESEARCHER JDAY 77 TIME 0839Z

LATITUDE 27.00 N LONGITUDE 79.50 W

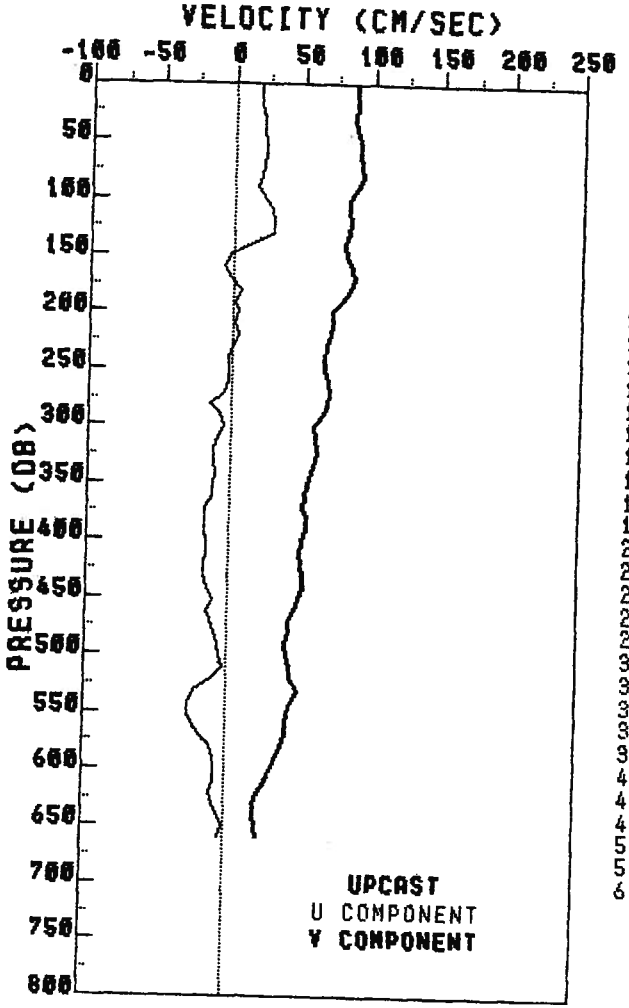


PRES	U	V
0	30.8	155.6
10	30.7	154.9
20	31.6	152.5
30	30.6	152.1
40	30.3	150.2
50	30.7	148.3
60	29.1	147.0
70	29.0	145.6
80	28.6	143.7
90	26.2	143.9
100	25.6	139.6
110	19.7	136.7
120	20.5	135.3
130	19.6	132.1
140	17.3	130.5
150	15.7	131.4
160	10.9	121.3
170	-2.2	117.6
180	-8.4	119.0
190	-4.4	116.6
200	1.3	120.1
220	4.4	111.4
240	-3.1	90.3
260	-10.8	91.6
280	-4.5	91.2
300	-1.8	86.8
320	2.1	82.8
340	-2.4	79.1
360	-3.1	74.9
380	5.1	65.5
400	3.9	55.5
420	-3.4	48.0
470	-0.6	31.0
520	-4.9	26.9
570	-3.1	25.9
620	-11.2	23.1
670	0.5	24.0
720	-1.4	17.0

RES-STACS14-84 PEGASUS 024 STN 6

R/V RESEARCHER JDAY 77 TIME 1213Z

LATITUDE 26.99 N LONGITUDE 79.37 W

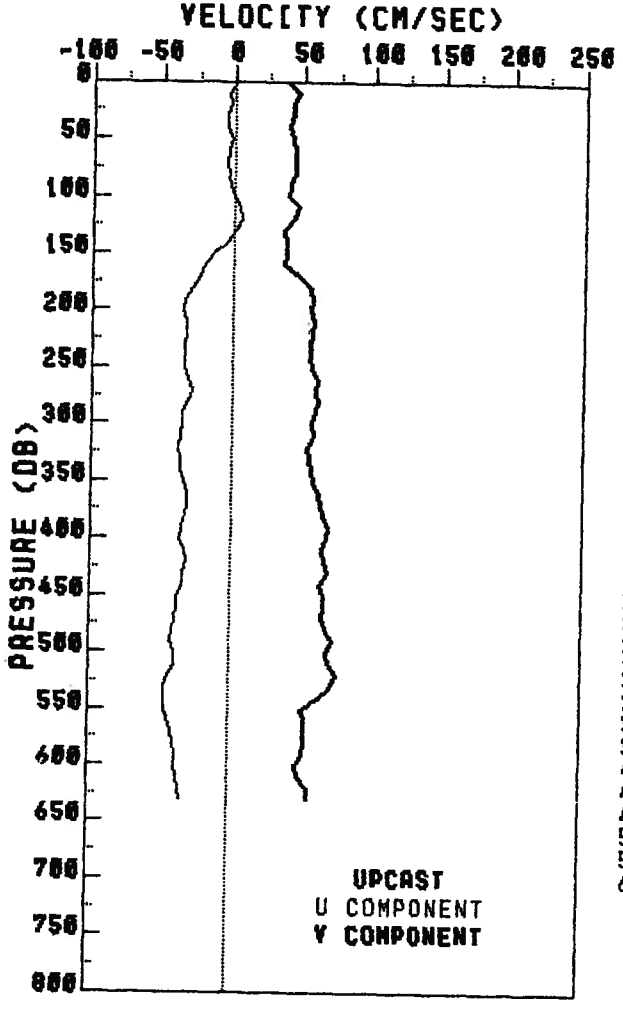


PRES	U	V
0	18.0	87.7
10	18.0	87.7
20	18.2	87.7
30	20.5	87.3
40	21.7	87.7
50	22.4	90.1
60	22.3	91.3
70	21.0	92.6
80	19.5	93.0
90	17.4	89.1
100	22.3	84.6
110	27.9	84.5
120	29.3	84.6
130	28.6	83.7
140	14.8	81.1
150	-2.0	81.9
160	-6.0	86.7
170	-1.0	87.6
180	5.6	85.2
190	2.2	79.5
200	4.0	73.3
220	4.3	72.0
240	-2.5	66.9
260	-2.3	70.4
280	-13.9	70.3
300	-5.1	60.4
320	-11.4	63.6
340	-11.1	58.7
360	-11.9	55.1
380	-17.7	56.2
400	-15.6	54.4
420	-16.6	54.1
470	-12.4	45.6
520	-10.5	46.8
570	-18.3	43.6
620	-10.1	25.5

RES-STACS14-84 PEGASUS 025 STN 7

R/V RESEARCHER JDAY 77 TIME 1532Z

LATITUDE 26.99 N LONGITUDE 79.29 W

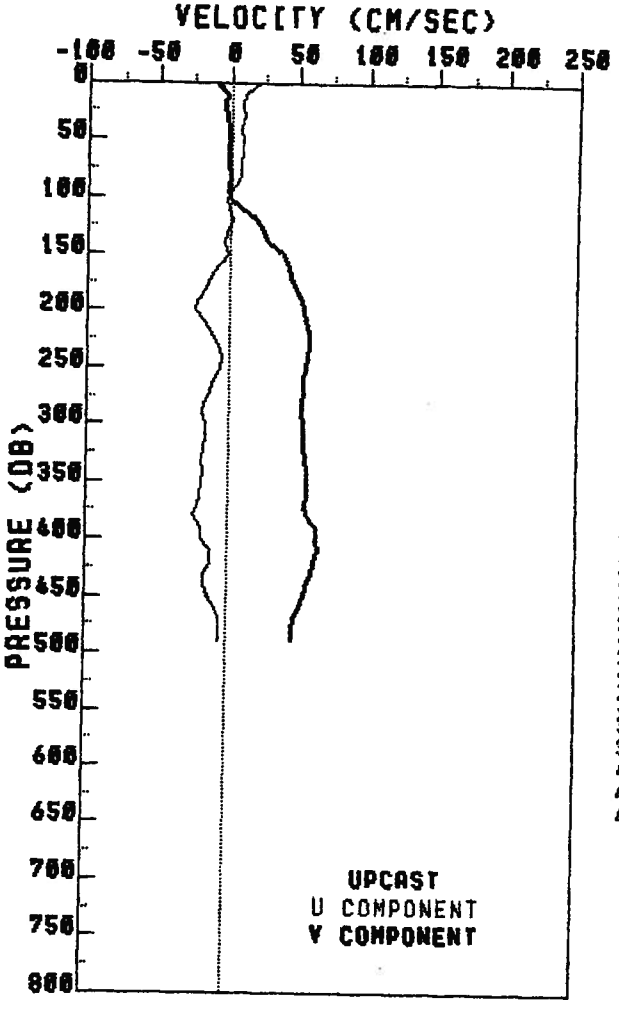


PRES	U	V
0	1.5	38.1
10	-4.4	46.2
20	-3.1	42.0
30	-5.6	43.3
40	-5.0	39.8
50	-1.5	42.5
60	-4.0	44.6
70	-5.2	43.4
80	-4.3	44.0
90	-1.8	41.1
100	-0.2	40.2
110	3.9	46.2
120	6.1	44.3
130	2.1	37.5
140	-3.2	38.5
150	-12.9	38.1
160	-19.7	37.3
170	-22.3	47.9
180	-28.7	56.4
190	-34.0	57.3
200	-35.5	56.2
220	-33.2	57.4
240	-34.0	55.9
260	-31.2	62.1
280	-31.0	61.9
300	-35.6	58.2
320	-38.1	55.2
340	-36.0	57.1
360	-31.7	63.5
380	-32.0	65.8
400	-37.0	68.1
420	-31.5	67.0
470	-39.1	66.4
520	-44.1	76.6
570	-41.2	55.4
620	-34.9	57.9

RES-STACS14-84 PEGASUS 026 STN 8

R/V RESEARCHER JDAY 77 TIME 1847Z

LATITUDE 27.01 N LONGITUDE 79.20 W

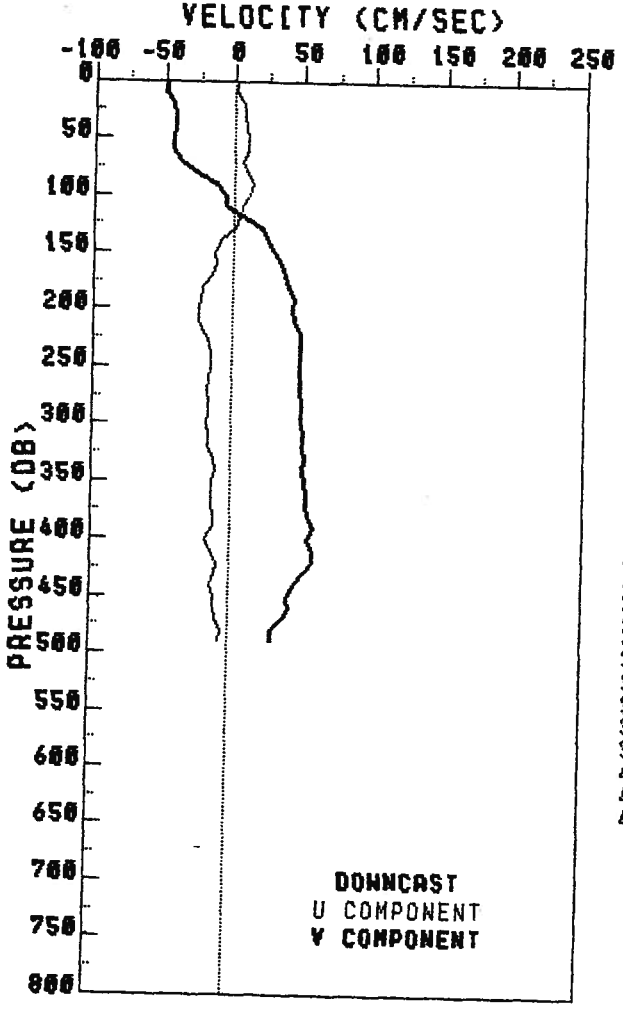


PRES	U	V
0	21.5	-8.5
10	9.6	-2.0
20	8.4	-3.5
30	10.0	-2.1
40	8.0	-0.7
50	8.8	-1.4
60	8.8	-1.1
70	7.7	-0.4
80	7.0	0.5
90	3.2	-1.3
100	-1.6	0.8
110	-0.7	8.9
120	1.3	19.1
130	-2.8	24.8
140	-3.1	29.6
150	-1.1	39.8
160	-8.3	45.0
170	-12.7	45.8
180	-15.6	49.7
190	-23.1	53.9
200	-23.5	54.7
220	-11.6	59.8
240	-5.0	57.3
260	-10.5	55.6
280	-17.5	54.3
300	-16.5	54.8
320	-17.3	55.8
340	-17.3	57.9
360	-19.5	57.3
380	-24.0	57.9
400	-18.0	64.8
420	-11.9	63.6
470	-5.5	50.1

RES-STACS14-84 PEGASUS 027 STN 8

R/V RESEARCHER JDAY 78 TIME 1633Z

LATITUDE 27.01 N LONGITUDE 79.20 W

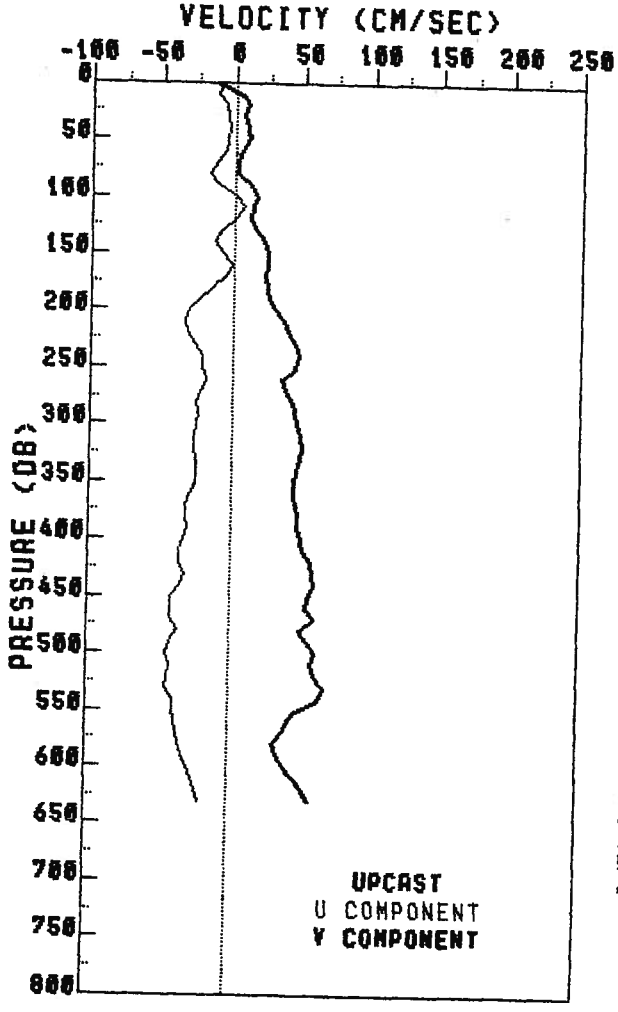


PRES	U	V
0	1.0	-48.6
10	1.2	-48.4
20	6.5	-43.3
30	7.2	-42.3
40	8.7	-42.2
50	9.9	-44.2
60	10.0	-43.1
70	6.4	-37.4
80	9.1	-25.2
90	13.6	-12.4
100	11.0	-5.6
110	6.2	-4.8
120	3.9	8.2
130	1.0	22.1
140	-8.9	25.6
150	-13.6	29.7
160	-12.7	35.4
170	-15.3	38.3
180	-21.4	41.6
190	-23.0	44.7
200	-24.0	44.5
220	-19.8	49.2
240	-14.3	49.1
260	-16.7	49.2
280	-15.7	50.7
300	-17.3	51.0
320	-15.8	52.5
340	-11.1	52.6
360	-13.9	54.4
380	-12.4	56.7
400	-17.7	56.9
420	-8.9	60.0
470	-8.9	40.4

RES-STACS14-84 PEGASUS 028 STN 7

R/V RESEARCHER JDAY 78 TIME 1815Z

LATITUDE 27.00 N LONGITUDE 79.29 W

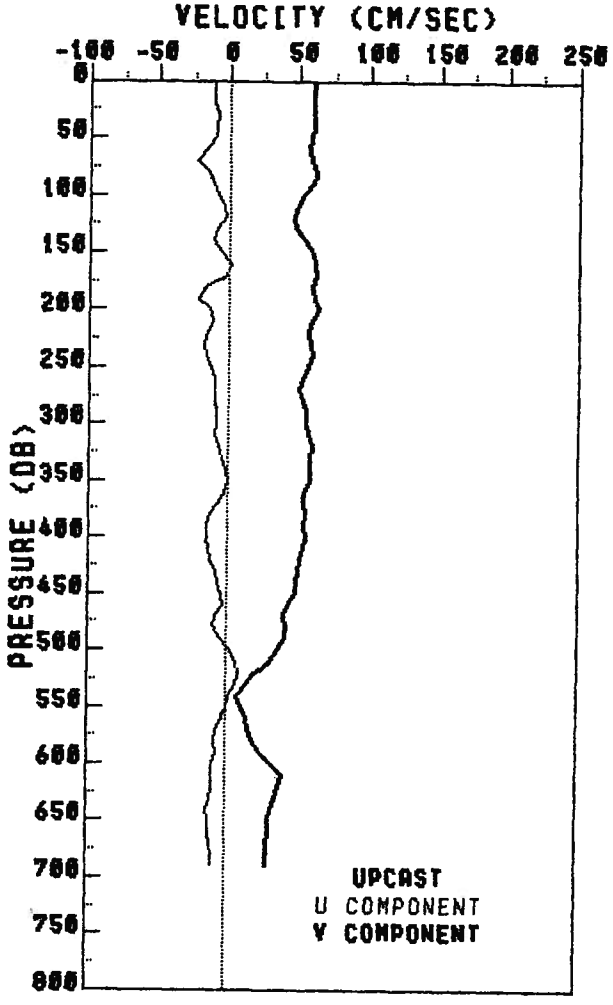


PRES	U	V
0	-9.4	-11.3
10	-11.2	6.5
20	-5.9	10.1
30	-4.4	7.4
40	-3.5	9.8
50	-4.6	10.9
60	-6.3	6.4
70	-11.9	2.9
80	-17.6	2.8
90	-10.6	12.3
100	2.1	17.4
110	7.2	14.3
120	2.3	12.5
130	-7.3	16.4
140	-13.6	22.0
150	-7.2	25.6
160	-1.3	24.7
170	-4.6	23.3
180	-15.1	25.6
190	-24.1	26.8
200	-30.7	31.2
220	-32.8	40.1
240	-21.6	48.9
260	-18.9	36.2
280	-25.1	44.2
300	-25.0	47.2
320	-26.5	51.4
340	-25.6	47.4
360	-30.1	45.3
380	-32.2	48.1
400	-33.2	50.9
420	-36.6	57.4
470	-42.1	60.3
520	-42.7	62.4
570	-36.0	39.8
620	-22.7	55.5

RES-STACS14-84 PEGASUS 029 STN 6

R/V RESEARCHER JDAY 78 TIME 2017Z

LATITUDE 27.00 N LONGITUDE 79.37 W

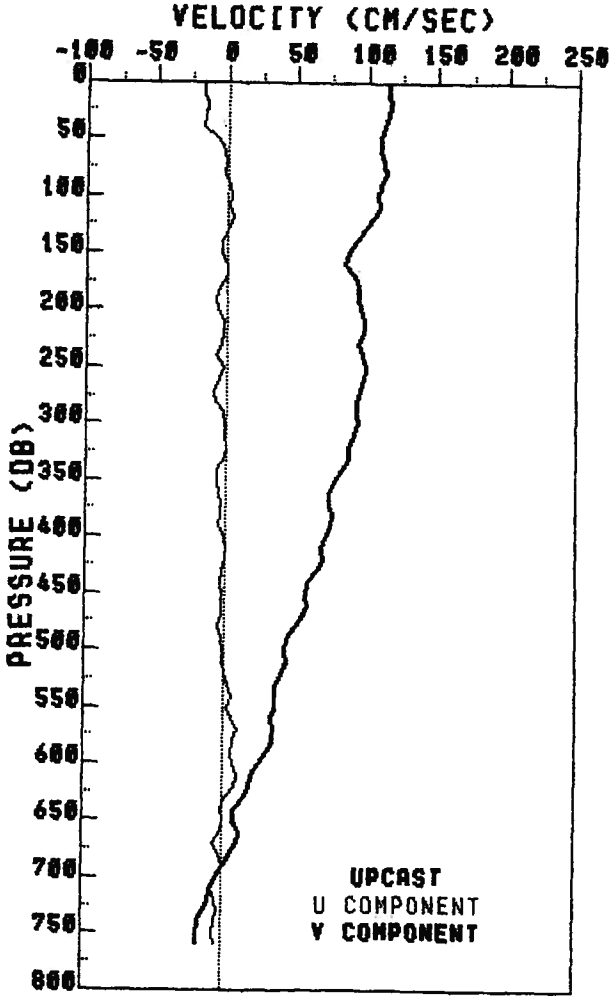


PRES	U	V
0	-10.3	61.0
10	-10.3	61.0
20	-10.3	61.0
30	-8.6	60.7
40	-8.8	60.5
50	-9.3	59.5
60	-15.6	58.1
70	-22.4	58.9
80	-14.9	62.0
90	-10.1	59.8
100	-8.2	52.9
110	-3.7	49.2
120	-2.7	47.2
130	-7.8	48.5
140	-11.2	54.6
150	-5.8	60.4
160	2.2	61.6
170	-1.3	63.5
180	-15.9	60.8
190	-21.6	61.3
200	-12.9	64.3
220	-14.6	57.2
240	-16.4	60.6
260	-9.2	53.0
280	-8.8	54.0
300	-8.4	56.7
320	-6.2	59.8
340	-1.6	59.2
360	-2.6	54.7
380	-11.6	55.9
400	-14.9	55.9
420	-11.5	51.8
470	-7.9	41.8
520	7.9	21.3
570	-7.1	16.3
620	-9.2	38.6
670	-11.0	30.3

RES-STACS14-84 PEGASUS 030 STN 5

R/V RESEARCHER JDAY 78 TIME 2220Z

LATITUDE 27.00 N LONGITUDE 79.50 W

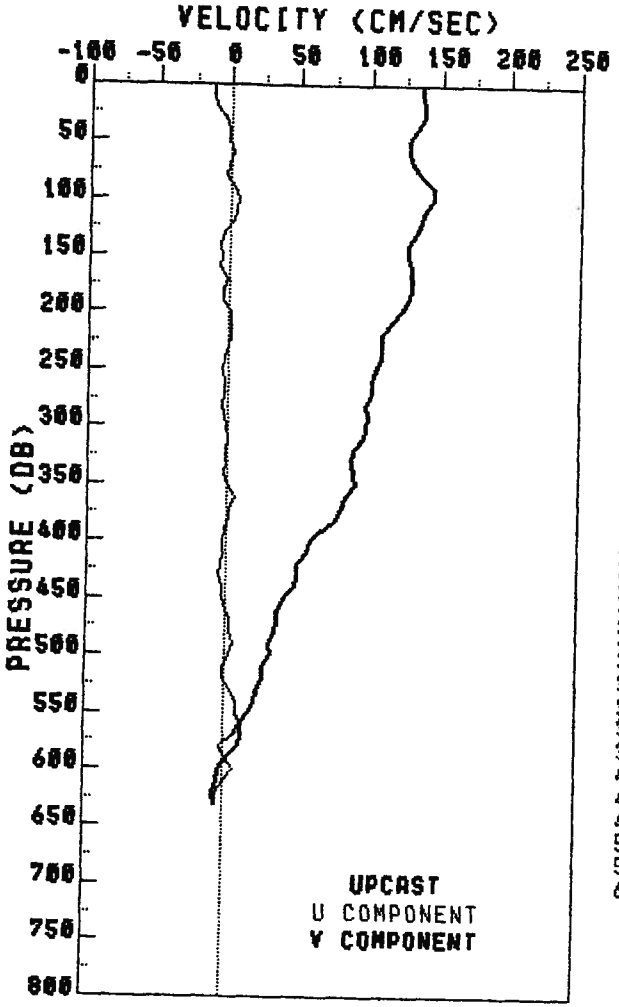


PRES	U	V
0	-16.9	116.0
10	-16.9	116.0
20	-14.8	116.6
30	-15.2	114.7
40	-16.8	112.8
50	-8.1	109.7
60	-1.7	110.3
70	-1.1	113.1
80	-2.3	114.2
90	2.1	110.5
100	3.7	109.1
110	1.3	110.2
120	5.3	105.7
130	0.8	98.3
140	-3.9	92.9
150	-3.8	88.1
160	0.1	85.8
170	1.2	91.7
180	-4.4	94.3
190	-8.1	94.8
200	-5.6	95.9
220	-2.3	99.1
240	-7.1	97.5
260	-4.4	98.4
280	-7.3	93.8
300	-0.2	95.1
320	0.9	88.2
340	-6.6	83.8
360	-4.4	74.1
380	-4.2	76.8
400	-0.9	71.3
420	0.0	69.7
470	-2.8	56.8
520	0.1	41.9
570	9.5	36.2
620	8.7	19.3
670	-6.0	11.7
720	-4.3	-9.4

RES-STACS14-84 PEGASUS 031 STN 4

R/V RESEARCHER JDAY 79 TIME 0023Z

LATITUDE 26.98 N LONGITUDE 79.62 W

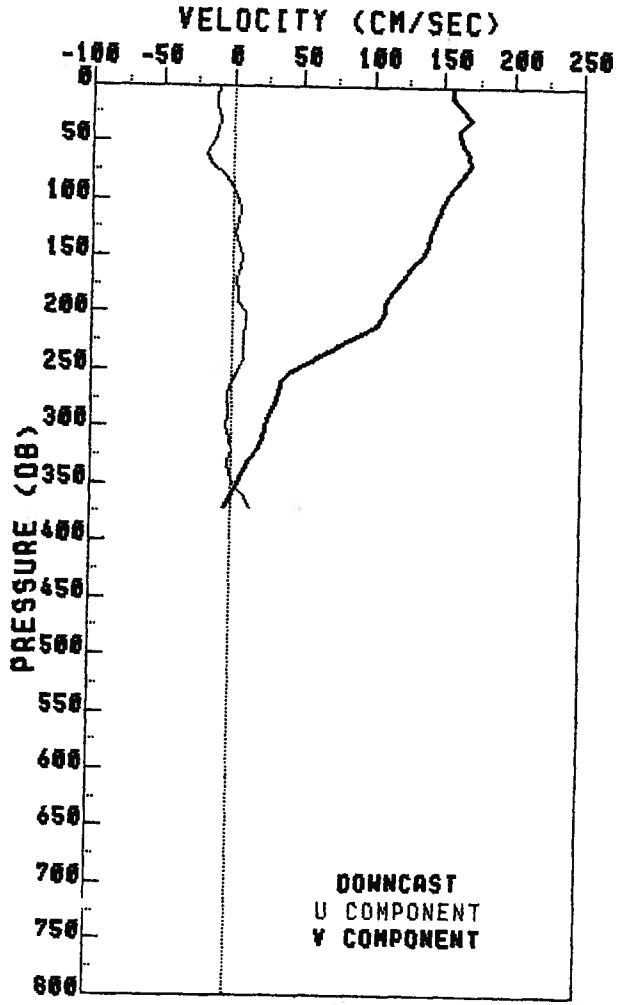


PRES	U	V
0	-11.5	137.5
10	-11.5	137.5
20	-11.0	137.8
30	-3.5	138.2
40	-1.0	132.4
50	-1.4	127.0
60	2.1	127.0
70	-0.6	130.2
80	-2.2	136.9
90	2.7	144.8
100	6.3	145.6
110	4.1	140.3
120	3.1	136.5
130	-3.5	133.5
140	-6.2	127.0
150	-5.8	127.8
160	-6.3	130.4
170	-1.5	129.8
180	-3.5	129.6
190	-3.2	126.9
200	1.1	123.8
220	1.2	109.2
240	-1.9	109.7
260	-2.2	103.3
280	-4.2	98.8
300	-0.5	98.8
320	-0.9	91.1
340	-2.8	90.2
360	6.1	84.8
380	1.3	78.1
400	-2.8	60.6
420	-4.5	51.5
470	2.4	36.9
520	-1.7	27.9
570	6.4	12.3
620	-5.1	-6.5

RES-STACS14-84 PEGASUS 033 STN 2

R/V RESEARCHER JDAY 79 TIME 0345Z

LATITUDE 26.98 N LONGITUDE 79.79 W

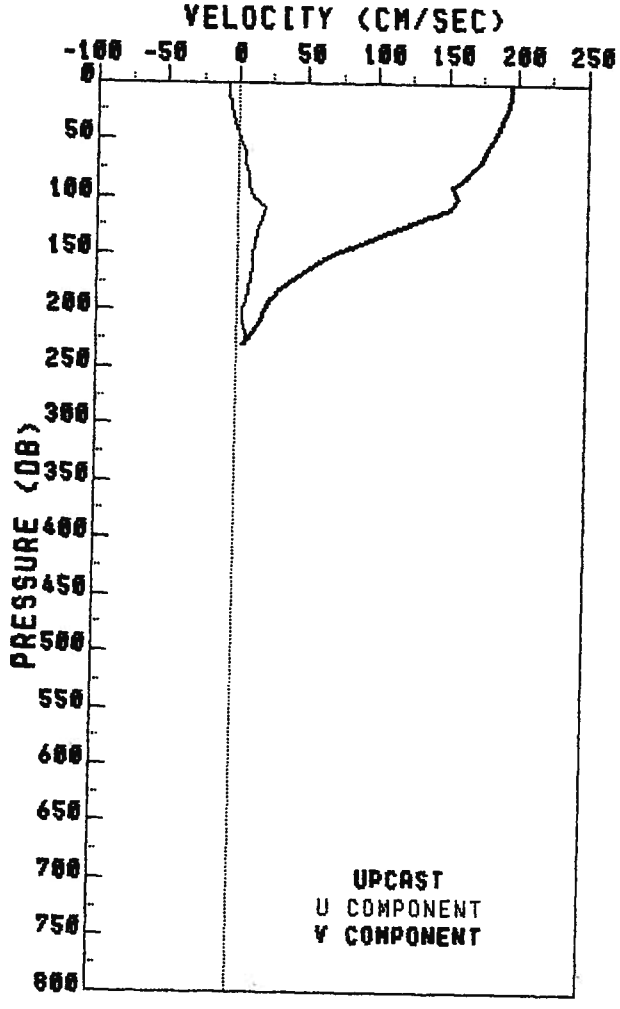


PRES	U	V
0	-10.9	156.1
10	-11.1	156.1
20	-11.5	162.6
30	-8.6	170.0
40	-10.3	162.0
50	-12.6	163.5
60	-18.9	168.9
70	-14.5	170.3
80	-5.2	165.0
90	0.0	158.1
100	4.1	152.3
110	5.5	149.5
120	4.8	145.0
130	1.5	141.2
140	4.0	140.0
150	7.7	136.4
160	5.6	128.0
170	2.6	122.6
180	4.8	115.1
190	5.1	110.3
200	9.6	109.9
220	9.4	90.3
240	8.6	59.4
260	0.9	36.2
280	-2.0	32.3
300	-3.4	24.7
320	0.3	19.4
340	-1.0	8.7
360	10.4	0.4

RES-STACS14-84 PEGASUS 034 STN 1

R/V RESEARCHER JDAY 79 TIME 0505Z

LATITUDE 27.00 N LONGITUDE 79.88 W

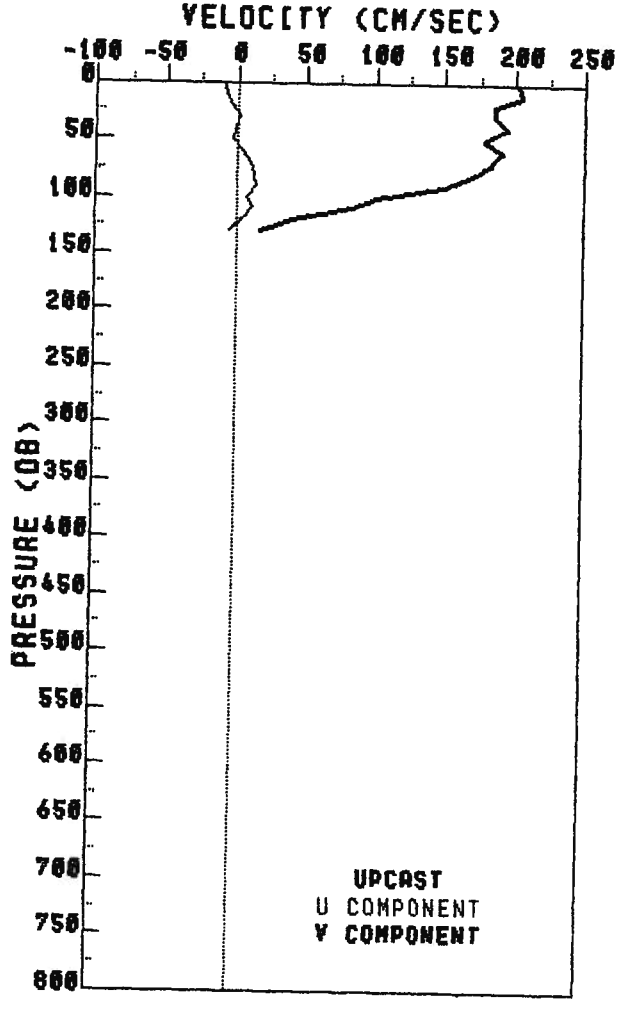


PRES	U	V
0	-7.1	195.1
10	-7.1	195.1
20	-5.3	193.8
30	-3.7	190.4
40	-1.1	187.7
50	2.1	183.3
60	6.2	178.5
70	6.1	173.5
80	8.2	165.5
90	8.9	154.4
100	11.8	159.1
110	20.3	152.9
120	17.7	131.4
130	13.4	110.3
140	12.5	89.2
150	10.9	69.2
160	11.6	54.5
170	9.7	42.3
180	8.8	31.8
190	6.6	24.4
200	3.8	20.6
220	6.4	12.7

RES-STACS14-84 PEGASUS 035 STN 0

R/V RESEARCHER JDAY 79 TIME 0628Z

LATITUDE 27.00 N LONGITUDE 79.93 W

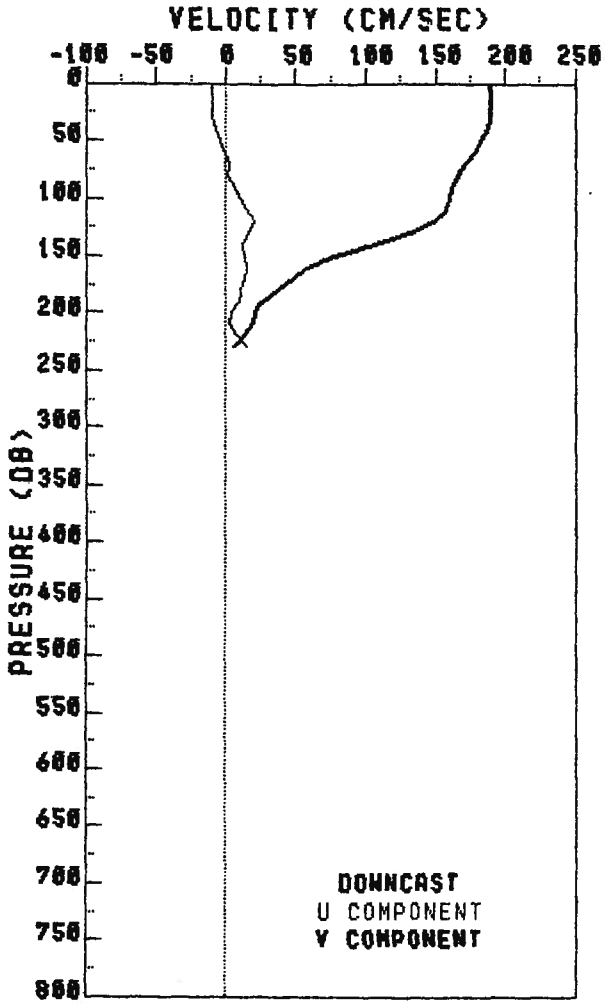


PRES	U	V
0	-9.5	202.8
10	-7.6	205.1
20	-3.3	186.1
30	1.9	186.6
40	-1.0	195.0
50	-2.5	178.6
60	4.0	192.1
70	9.7	183.5
80	12.7	169.7
90	14.8	149.6
100	6.9	100.1
110	11.9	83.1
120	4.0	40.2
130	-4.4	17.1

RES-STACS14-84 PEGASUS 036 STN 1

R/V RESEARCHER JDAY 79 TIME 0659Z

LATITUDE 27.00 N LONGITUDE 79.88 W

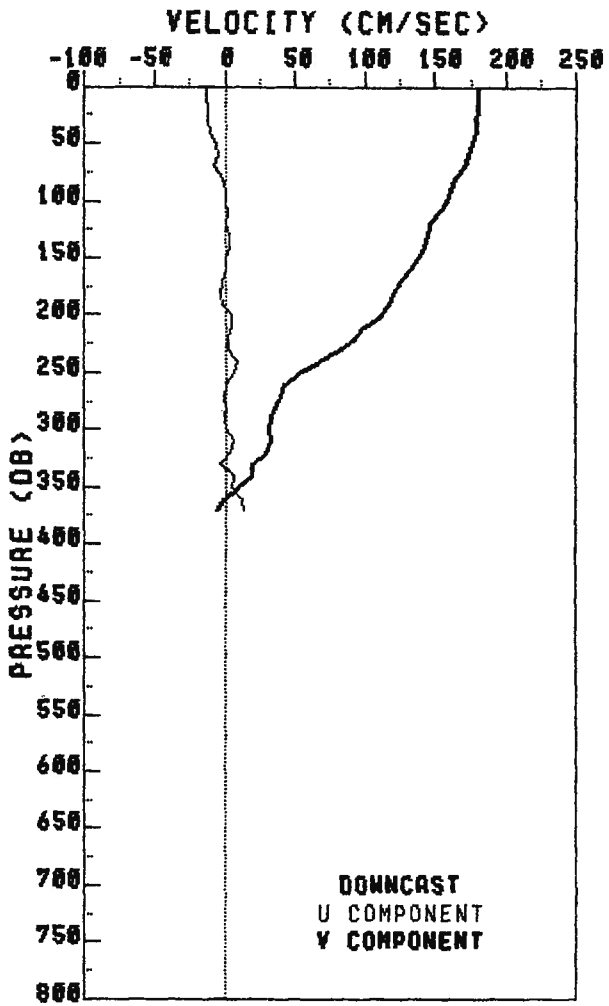


PRES	U	V
0	-9.4	190.6
10	-9.4	190.6
20	-9.4	190.6
30	-9.4	190.6
40	-6.9	189.3
50	-3.9	183.9
60	-0.4	179.4
70	2.5	172.3
80	2.1	167.0
90	7.6	163.5
100	10.8	161.6
110	14.7	159.1
120	20.1	149.1
130	17.2	131.0
140	11.9	106.8
150	14.5	78.4
160	15.9	57.6
170	14.6	48.0
180	11.5	37.5
190	10.4	26.2
200	4.9	22.4
220	8.6	15.0

RES-STACS14-84 PEGASUS 037 STN 2

R/V RESEARCHER JDAY 79 TIME 0810Z

LATITUDE 26.99 N LONGITUDE 79.79 W

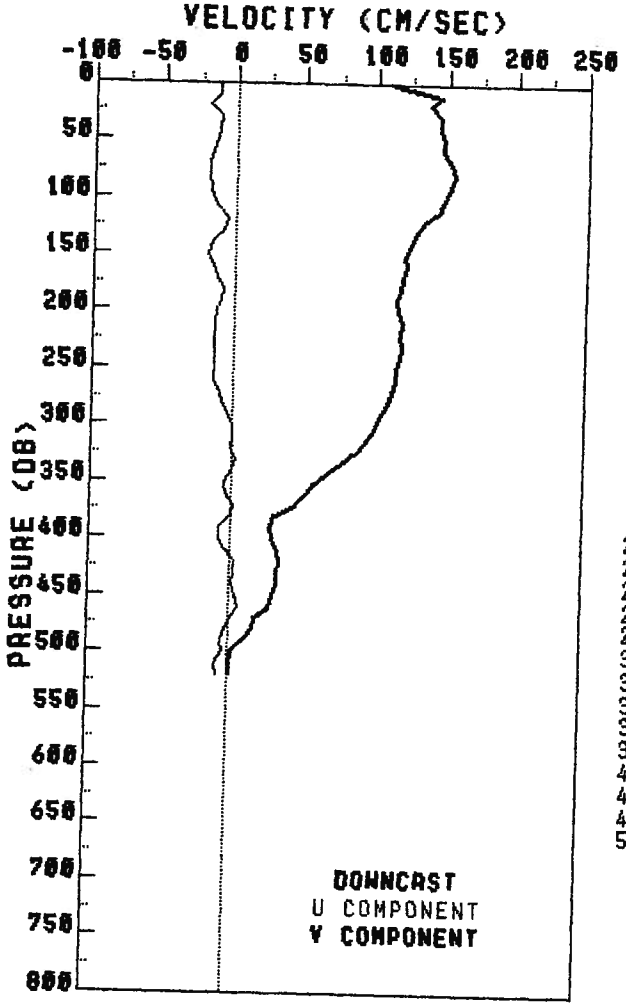


PRES	U	V
0	-12.7	180.6
10	-12.7	180.6
20	-11.7	181.2
30	-11.7	179.6
40	-10.1	179.5
50	-6.4	176.9
60	-4.3	174.2
70	-7.7	170.9
80	-2.1	164.3
90	0.9	161.4
100	0.3	159.7
110	1.3	153.1
120	1.2	146.4
130	2.7	145.3
140	3.4	142.6
150	1.0	138.6
160	0.7	133.5
170	-2.8	126.8
180	-4.2	121.4
190	-2.2	118.3
200	4.0	112.1
220	1.5	93.5
240	8.1	67.5
260	0.6	42.5
280	0.5	35.9
300	-0.1	32.0
320	3.5	29.3
340	5.7	20.3
360	11.1	-1.2

RES-STACS14-84 PEGASUS 038 STN 3

R/V RESEARCHER JDAY 79 TIME 0947Z

LATITUDE 27.00 N LONGITUDE 79.69 W

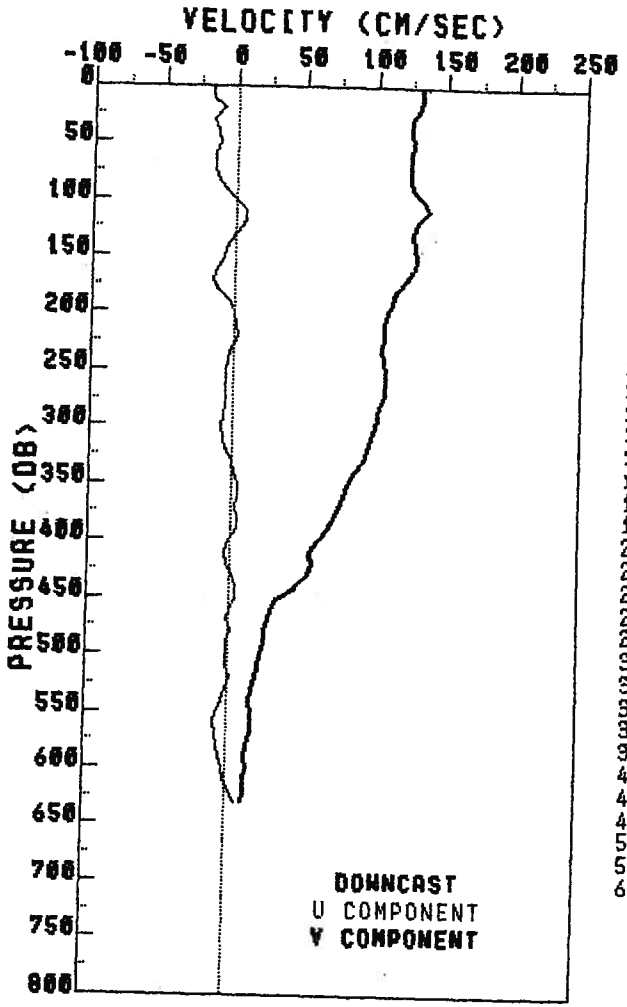


PRES	U	V
0	-12.0	111.2
10	-12.1	144.6
20	-18.8	138.7
30	-10.9	144.8
40	-12.4	145.3
50	-13.0	147.4
60	-16.6	147.7
70	-18.9	152.8
80	-19.2	155.5
90	-17.6	152.7
100	-16.3	149.1
110	-11.5	145.9
120	-5.3	137.3
130	-7.7	130.1
140	-16.4	125.7
150	-19.2	122.6
160	-15.4	123.7
170	-11.4	120.9
180	-8.4	119.0
190	-9.1	116.6
200	-12.4	117.3
220	-13.1	119.2
240	-13.8	119.0
260	-13.6	115.8
280	-8.6	110.9
300	-0.2	103.0
320	-1.1	91.6
340	0.0	69.6
360	-3.3	55.3
380	0.2	31.7
400	-7.3	30.6
420	2.5	35.7
470	1.9	19.9
520	-8.6	1.4

RES-STACS14-84 PEGASUS 039 STN 4

R/V RESEARCHER JDAY 79 TIME 1116Z

LATITUDE 26.99 N LONGITUDE 79.62 W

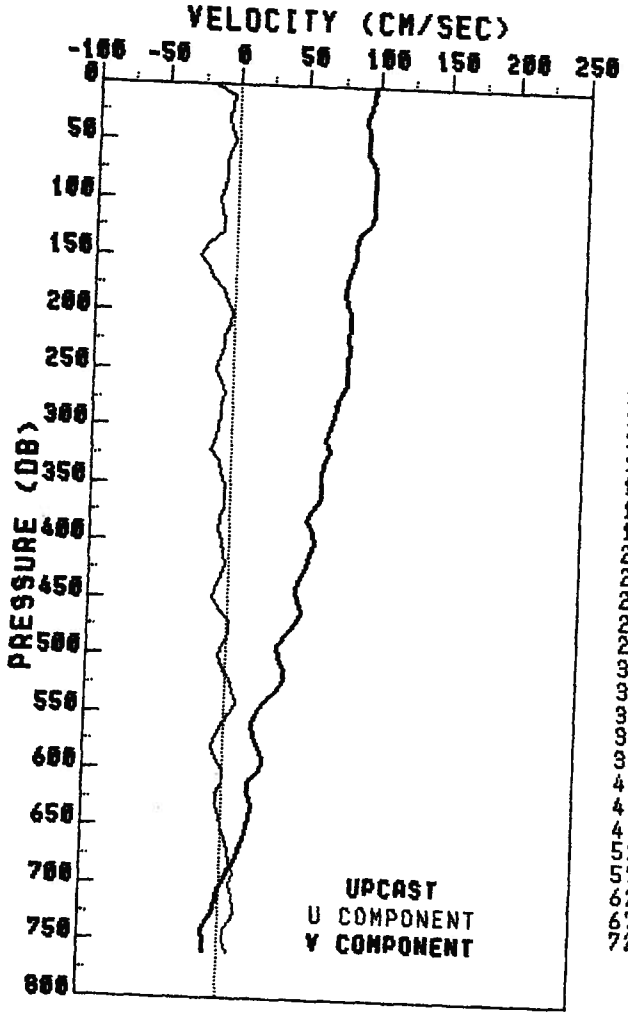


PRES	U	V
0	-16.7	131.8
10	-16.7	131.8
20	-8.7	130.5
30	-16.5	125.0
40	-12.9	125.6
50	-11.9	126.1
60	-14.3	124.7
70	-13.8	124.9
80	-12.8	125.3
90	-7.3	126.7
100	0.0	134.1
110	7.9	137.9
120	7.7	130.7
130	2.3	127.7
140	-4.8	129.3
150	-8.3	130.0
160	-12.0	128.8
170	-14.1	123.9
180	-10.0	117.1
190	-1.9	113.4
200	0.7	110.6
220	2.7	108.8
240	-3.8	108.9
260	-4.9	110.1
280	-5.2	106.3
300	-7.2	103.4
320	-4.5	98.1
340	2.2	87.7
360	4.1	81.5
380	5.1	74.8
400	-0.9	62.8
420	-2.5	59.5
470	-0.5	29.7
520	2.0	20.9
570	-7.7	17.7
620	3.7	14.6

RES-STACS14-84 PEGASUS 040 STN 5

R/V RESEARCHER JDAY 79 TIME 1311Z

LATITUDE 27.00 N LONGITUDE 79.50 W

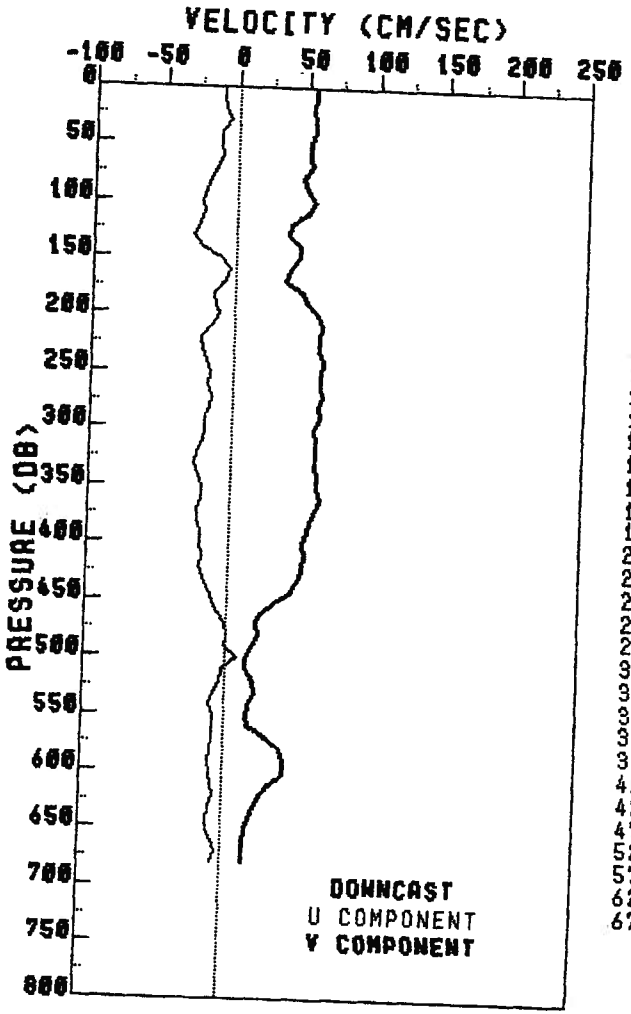


PRES	U	V
0	-16.9	96.7
10	-3.6	95.6
20	-5.7	94.3
30	-6.7	92.2
40	-5.6	93.8
50	-2.4	93.3
60	-6.7	93.8
70	-8.4	98.1
80	-7.9	99.0
90	-9.9	98.2
100	-11.9	98.1
110	-10.6	98.7
120	-8.7	97.3
130	-9.0	89.4
140	-20.7	86.3
150	-26.1	87.0
160	-19.5	83.8
170	-15.4	81.4
180	-7.8	78.9
190	-4.7	80.8
200	-0.8	83.4
220	-6.2	81.9
240	-9.1	82.6
260	-7.5	82.6
280	-8.1	75.0
300	-8.9	71.3
320	-15.3	71.8
340	-6.9	65.8
360	-4.3	65.2
380	-6.3	56.2
400	-5.2	62.1
420	-3.0	56.6
470	1.4	50.7
520	3.0	42.9
570	-4.8	22.0
620	-4.2	19.8
670	5.2	14.2
720	11.4	-2.9

RES-STACS14-84 PEGASUS 041 STN 6

R/V RESEARCHER JDAY 79 TIME 1535Z

LATITUDE 27.00 N LONGITUDE 79.38 W

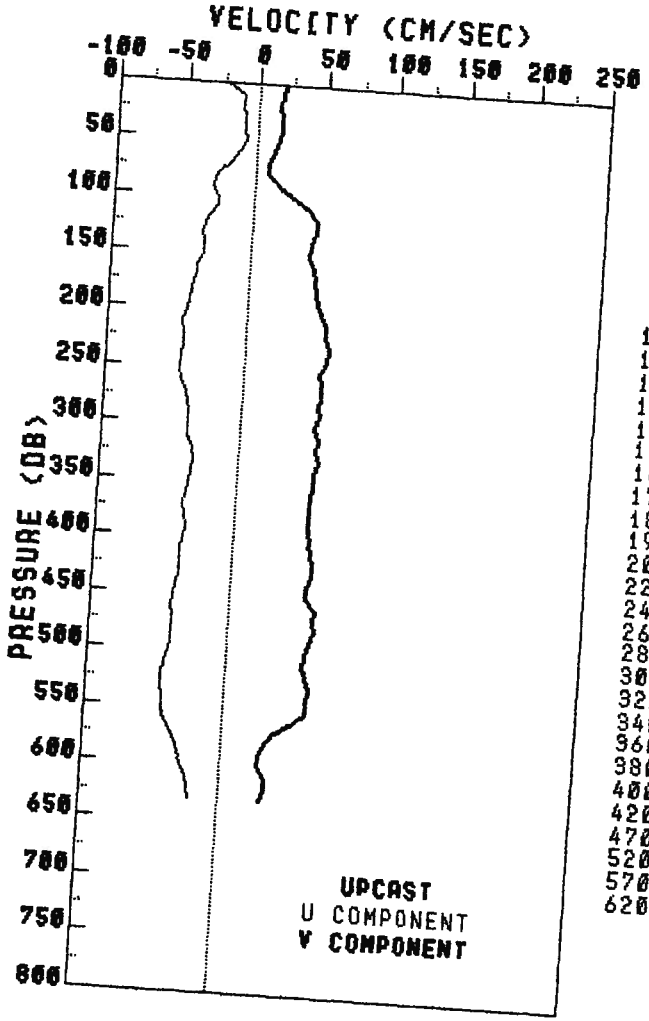


PRES	U	V
0	-9.9	54.7
10	-9.9	54.7
20	-8.4	54.2
30	-5.0	54.9
40	-12.0	54.9
50	-12.4	52.4
60	-10.8	52.0
70	-13.8	53.3
80	-18.5	48.4
90	-21.0	51.0
100	-23.5	56.0
110	-22.3	52.9
120	-26.0	40.0
130	-29.7	39.3
140	-23.5	46.4
150	-10.1	46.8
160	-3.5	39.7
170	-6.7	37.2
180	-14.1	50.2
190	-13.4	54.4
200	-10.3	60.4
220	-22.5	61.4
240	-18.8	64.6
260	-17.6	63.6
280	-15.5	62.1
300	-19.1	59.7
320	-24.3	61.3
340	-22.6	61.7
360	-19.7	64.2
380	-22.7	57.5
400	-19.6	53.9
420	-20.6	53.5
470	-0.9	22.2
520	-3.2	21.0
570	-8.2	32.6
620	-6.8	28.3
670	-4.2	17.1

RES-STACS14-84 PEGASUS 042 STN 7

R/V RESEARCHER JDAY 79 TIME 1744Z

LATITUDE 27.00 N LONGITUDE 79.29 W

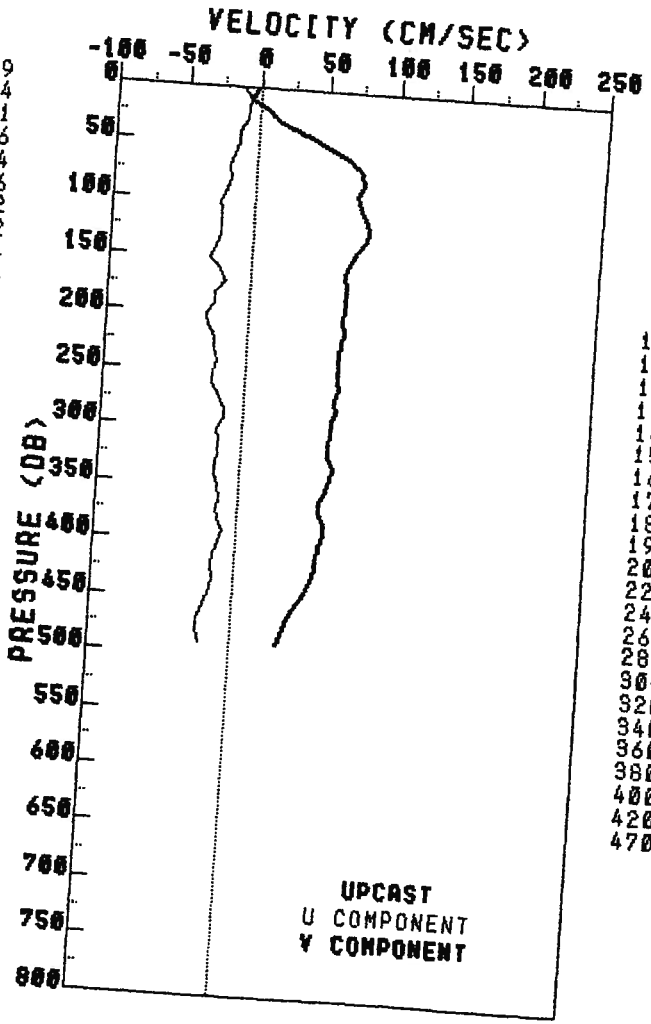


PRES	U	V
0	-23.6	18.9
10	-11.1	18.4
20	-10.4	17.1
30	-9.9	17.6
40	-8.7	18.4
50	-8.6	16.6
60	-11.4	14.2
70	-18.1	10.2
80	-26.6	10.4
90	-29.2	18.4
100	-25.9	30.3
110	-25.5	39.9
120	-33.2	46.4
130	-35.0	46.5
140	-33.3	43.6
150	-34.0	42.4
160	-37.8	47.2
170	-38.5	47.9
180	-40.4	48.9
190	-42.5	51.3
200	-44.2	53.5
220	-44.3	58.3
240	-46.2	58.9
260	-44.3	56.8
280	-39.1	55.6
300	-38.0	53.0
320	-34.2	55.3
340	-33.4	55.2
360	-36.0	53.1
380	-36.3	53.0
400	-36.3	54.8
420	-38.7	57.7
470	-41.0	59.8
520	-46.4	58.3
570	-38.0	38.7
620	-23.0	33.2

RES-STACS14-84 PEGASUS 043 STN 8

R/V RESEARCHER JDAY 79 TIME 1937Z

LATITUDE 27.01 N LONGITUDE 79.20 W

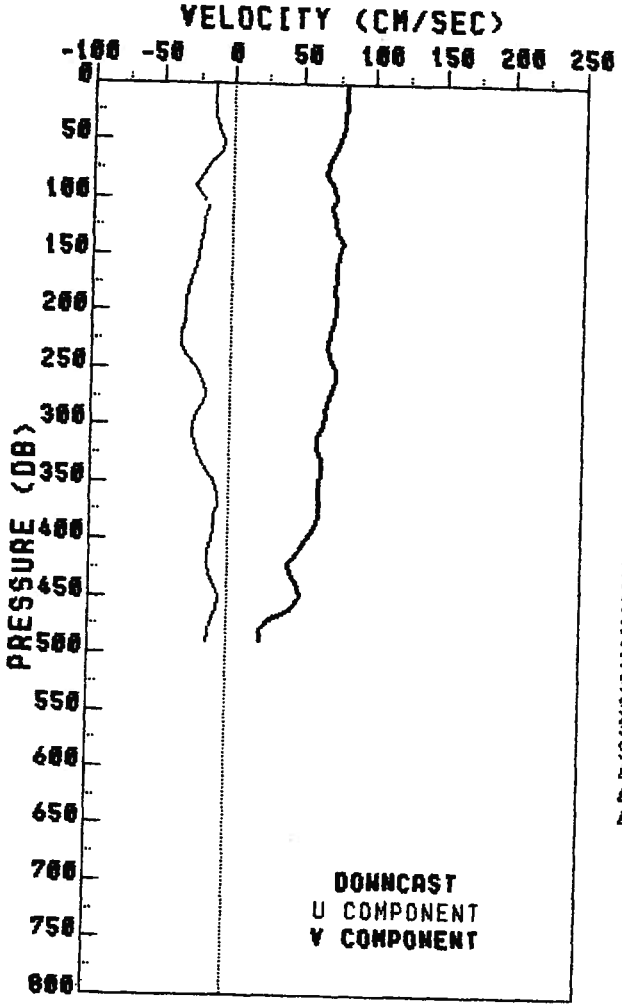


PRES	U	V
0	-11.1	-1.1
10	-6.8	-4.6
20	-8.1	6.5
30	-7.4	16.2
40	-13.8	34.2
50	-13.0	51.8
60	-15.8	67.4
70	-18.3	77.5
80	-17.1	78.0
90	-19.8	74.8
100	-23.4	76.8
110	-22.7	81.0
120	-22.9	83.8
130	-22.3	82.6
140	-25.7	76.3
150	-29.5	72.0
160	-20.8	68.8
170	-17.5	70.0
180	-24.7	69.7
190	-24.0	70.5
200	-29.2	68.3
220	-22.8	69.5
240	-20.5	67.2
260	-22.0	68.3
280	-13.0	67.3
300	-17.6	65.2
320	-16.4	63.4
340	-17.4	65.6
360	-13.2	58.9
380	-12.8	63.3
400	-11.8	61.2
420	-16.4	59.5
470	-24.8	40.7

RES-STACS14-84 PEGASUS 044 STN 8

R/V RESEARCHER JDAY 80 TIME 0926Z

LATITUDE 27.01 N LONGITUDE 79.20 W

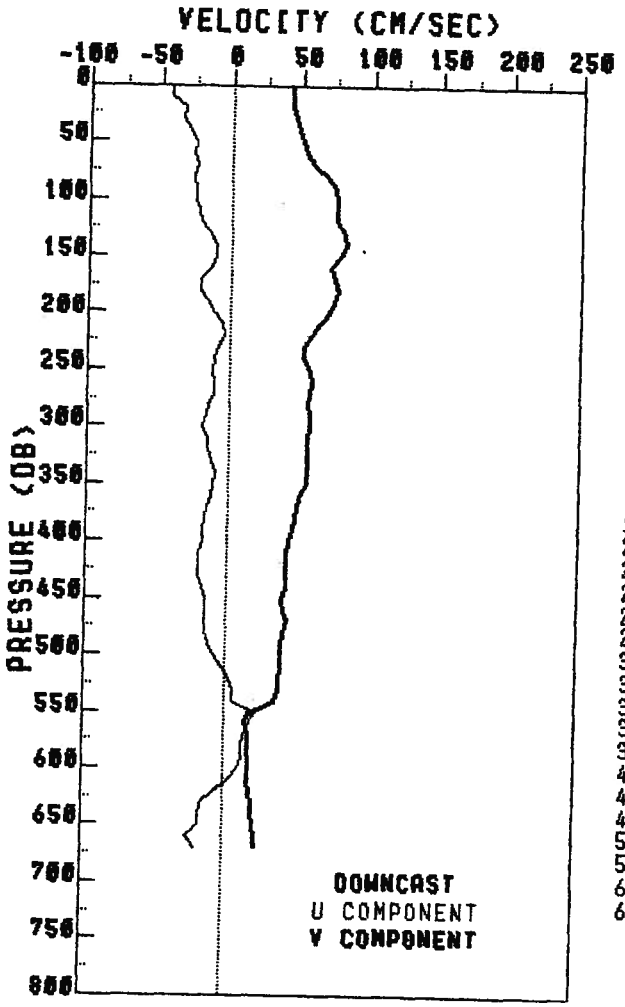


PRES	U	V
0	-13.7	80.3
10	-13.7	80.3
20	-13.7	80.3
30	-13.7	79.9
40	-10.9	79.7
50	-6.6	76.4
60	-8.3	73.0
70	-15.6	68.1
80	-21.9	67.3
90	-27.8	72.4
100	-20.2	74.2
110	-17.8	71.1
120	-20.6	74.1
130	-20.9	76.0
140	-22.9	79.1
150	-24.8	76.9
160	-26.0	75.2
170	-28.6	76.0
180	-31.8	74.3
190	-32.2	76.1
200	-32.0	76.0
220	-35.1	70.8
240	-31.5	70.9
260	-20.1	76.0
280	-19.2	69.6
300	-27.8	66.6
320	-24.3	63.3
340	-16.4	65.7
360	-7.7	64.8
380	-11.2	63.9
400	-11.5	56.5
420	-15.0	44.5
470	-10.4	32.3

RES-STACS14-84 PEGASUS 045 STN 6

R/V RESEARCHER JDAY 80 TIME 1116Z

LATITUDE 26.99 N LONGITUDE 79.38 W

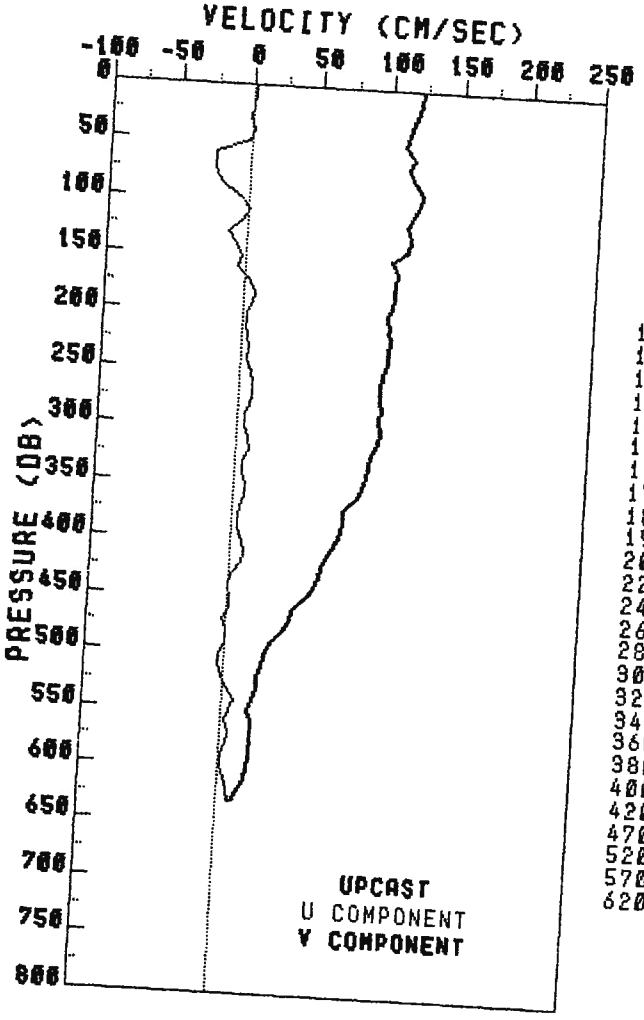


PRES	U	V
0	-43.3	42.7
10	-43.3	42.7
20	-34.1	42.3
30	-34.6	45.6
40	-29.5	48.3
50	-26.0	50.5
60	-26.4	53.3
70	-23.8	59.2
80	-26.9	68.2
90	-25.7	74.9
100	-25.8	76.0
110	-23.2	75.5
120	-21.3	76.2
130	-14.4	81.2
140	-10.7	82.9
150	-11.0	78.4
160	-13.4	71.2
170	-21.3	74.3
180	-21.3	76.5
190	-14.9	74.3
200	-11.2	71.0
220	-4.2	59.5
240	-9.8	53.8
260	-10.6	59.1
280	-13.9	57.2
300	-18.5	58.4
320	-13.9	56.3
340	-8.8	56.1
360	-12.1	51.7
380	-15.6	48.3
400	-16.8	44.4
420	-20.5	42.9
470	-15.0	44.2
520	3.5	39.0
570	14.5	17.7
620	-6.7	19.8
670	-20.3	23.4

RES-STACS14-84 PEGASUS 046 STN 4

R/V RESEARCHER JDAY 80 TIME 1343Z

LATITUDE 26.99 N LONGITUDE 79.61 W

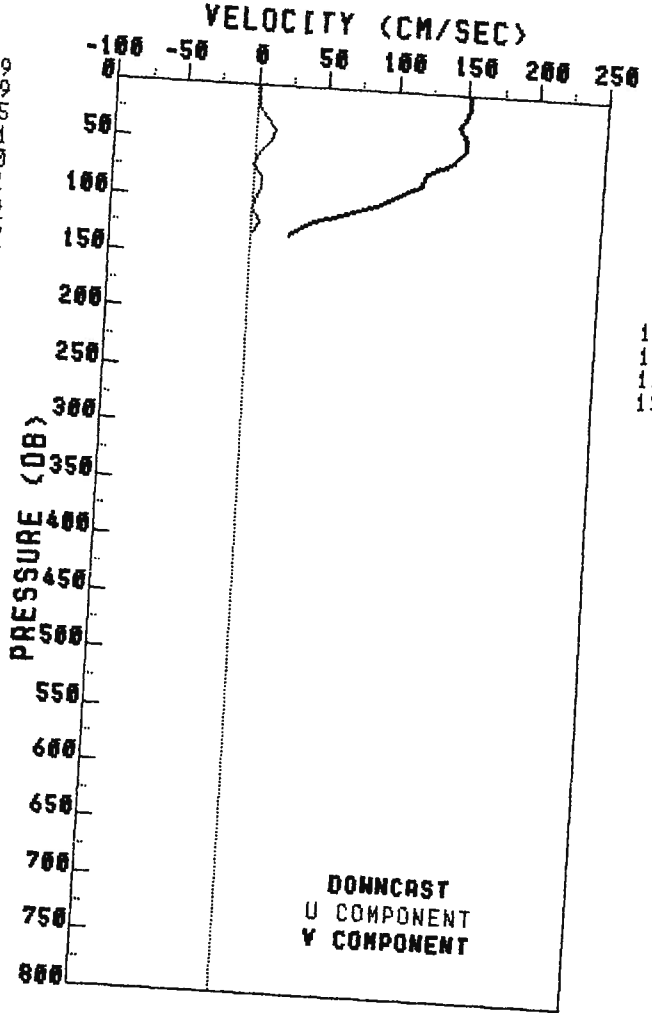


PRES	U	V
0	1.2	121.9
10	2.1	119.9
20	0.0	119.5
30	-1.1	117.1
40	2.1	114.0
50	-1.6	111.1
60	-24.0	118.4
70	-25.0	114.5
80	-23.6	119.2
90	-16.2	124.8
100	-3.3	123.3
110	2.0	119.7
120	-3.7	115.2
130	-13.1	117.4
140	-6.5	115.8
150	-2.9	105.8
160	-5.1	109.1
170	3.6	108.6
180	7.8	108.9
190	7.4	107.2
200	3.5	104.2
220	4.5	106.7
240	4.9	105.1
260	10.5	101.3
280	8.3	102.5
300	5.9	102.6
320	10.4	96.9
340	5.8	94.6
360	7.8	87.4
380	4.1	79.2
400	8.9	75.0
420	7.8	66.3
470	-2.2	44.8
520	-0.7	25.5
570	5.2	22.8
620	7.0	14.8

RES-STACS14-84 PEGASUS 048 STN 0

R/V RESEARCHER JDAY 80 TIME 1802Z

LATITUDE 27.00 N LONGITUDE 79.93 W

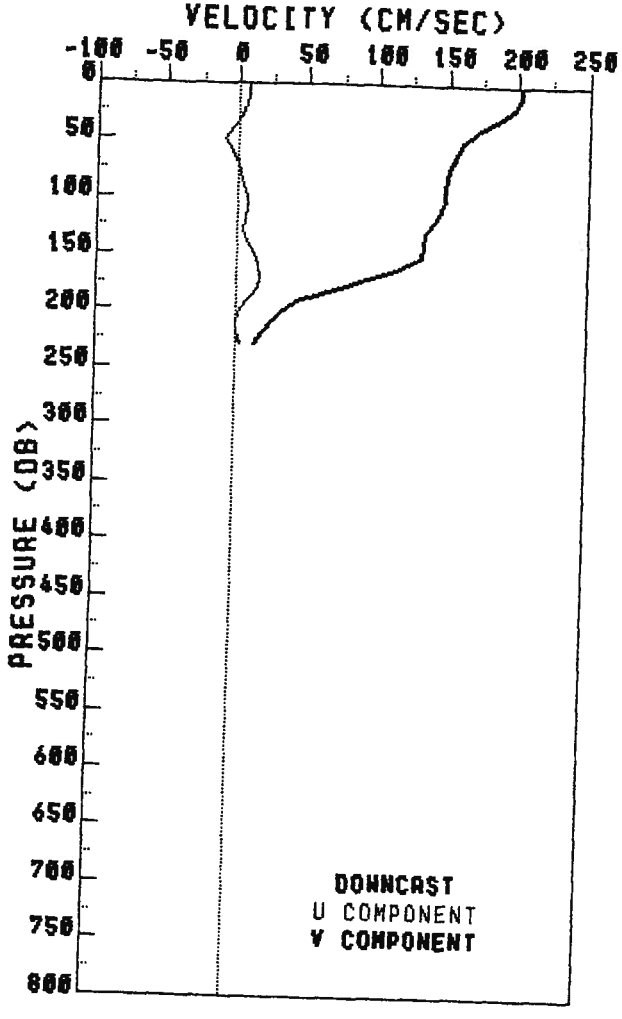


PRES	U	V
0	2.0	151.8
10	2.0	151.8
20	2.5	151.5
30	7.7	145.0
40	14.4	150.9
50	11.1	151.3
60	2.9	142.4
70	-0.8	123.1
80	5.6	120.3
90	5.6	106.3
100	2.5	88.4
110	0.3	66.9
120	5.4	41.8
130	1.6	27.2

RES-STACS14-84 PEGASUS 049 STN 1

R/V RESEARCHER JDAY 80 TIME 2246Z

LATITUDE 27.00 N LONGITUDE 79.87 W

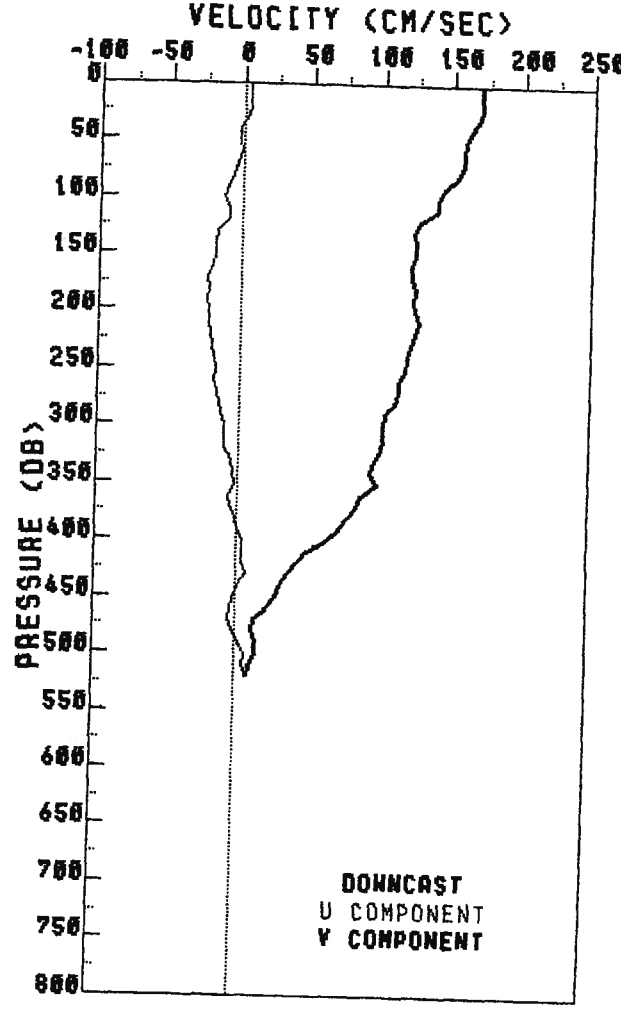


PRES	U	V
0	7.4	202.2
10	7.4	202.2
20	6.0	198.2
30	3.2	186.7
40	-4.2	171.2
50	-9.9	161.0
60	-4.3	157.8
70	0.6	153.8
80	1.5	150.1
90	4.6	148.9
100	6.7	148.7
110	7.4	146.0
120	6.1	142.0
130	4.7	135.7
140	7.1	134.6
150	12.5	133.5
160	14.9	117.8
170	16.0	92.5
180	14.9	69.8
190	8.3	42.1
200	3.3	33.8
220	0.3	19.5

RES-STACS14-84 PEGASUS 050 STN 3

R/V RESEARCHER JDAY 81 TIME 0035Z

LATITUDE 27.00 N LONGITUDE 79.68 W

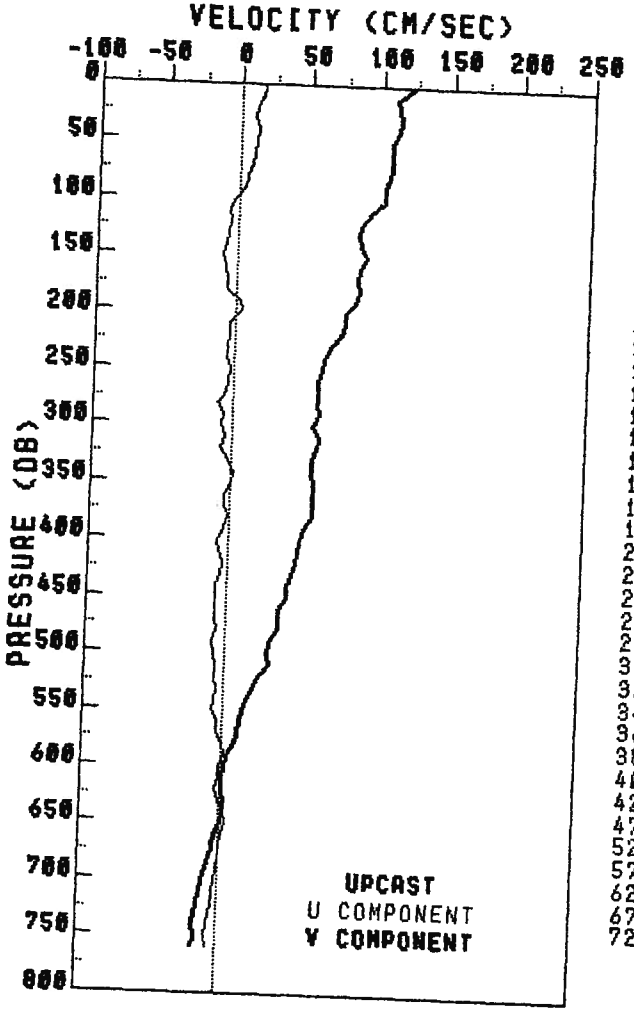


PRES	U	V
0	5.2	170.1
10	5.2	170.1
20	5.2	170.4
30	2.8	168.8
40	-2.3	163.2
50	-1.9	159.3
60	-1.4	158.3
70	-4.0	158.1
80	-6.8	153.9
90	-10.8	144.2
100	-12.9	140.3
110	-9.3	139.9
120	-8.5	128.0
130	-17.3	123.5
140	-18.4	125.1
150	-19.0	125.6
160	-20.3	122.2
170	-24.7	121.9
180	-23.0	125.4
190	-23.8	123.3
200	-22.6	124.9
220	-21.8	124.6
240	-18.1	119.0
260	-18.5	114.4
280	-14.2	111.9
300	-10.1	102.4
320	-9.9	101.7
340	-2.9	95.4
360	-6.3	87.8
380	-0.7	79.4
400	4.3	62.8
420	5.1	44.9
470	-4.7	14.9
520	9.6	9.5

RES-STACS14-84 PEGASUS 051 STN 5

R/V RESEARCHER JDAY 81 TIME 0244Z

LATITUDE 27.00 N LONGITUDE 79.50 W

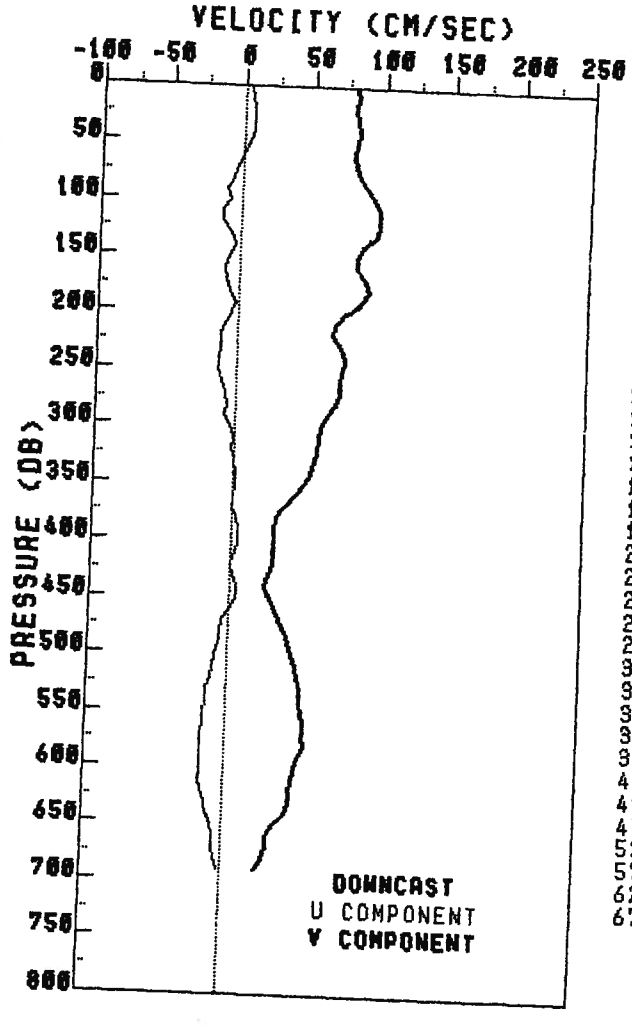


PRES	U	V
0	16.5	122.2
10	14.9	111.2
20	10.9	111.7
30	10.1	113.0
40	11.9	112.3
50	11.3	108.9
60	9.4	108.8
70	8.0	108.3
80	6.2	106.4
90	4.1	104.1
100	-3.2	103.7
110	-6.3	96.1
120	-5.0	88.9
130	-6.8	86.7
140	-7.7	87.9
150	-10.9	91.2
160	-8.3	88.1
170	-6.3	85.7
180	-7.0	87.3
190	2.5	84.5
200	4.2	77.6
220	-3.5	75.8
240	-5.3	64.7
260	-3.7	59.9
280	-11.1	60.6
300	-7.4	58.0
320	-7.5	60.2
340	1.0	58.2
360	-3.3	59.3
380	-1.7	58.5
400	-8.6	51.1
420	-4.6	48.7
470	-8.5	37.1
520	-6.4	25.5
570	-3.5	11.3
620	-3.3	2.1
670	0.8	-4.0
720	-4.4	-13.7

RES-STACS14-84 PEGASUS 052 STN 6

R/V RESEARCHER JDAY 81 TIME 0454Z

LATITUDE 27.00 N LONGITUDE 79.37 W

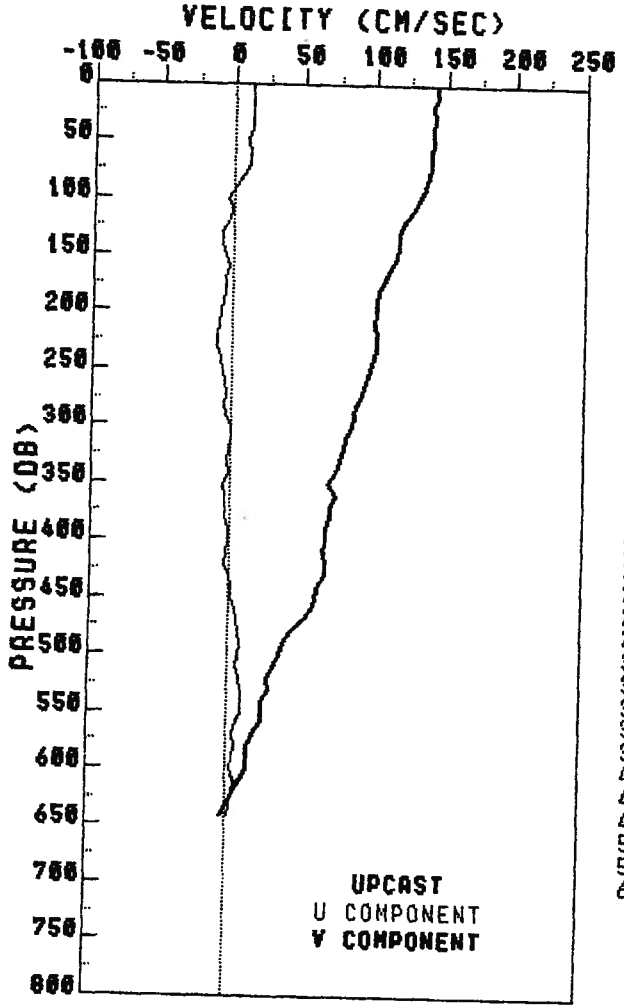


PRES	U	V
0	5.3	80.3
10	6.3	81.1
20	7.4	79.7
30	7.4	80.7
40	7.8	82.4
50	5.1	81.6
60	0.9	80.3
70	-3.4	81.8
80	-6.8	83.9
90	-9.9	90.1
100	-8.1	95.6
110	-12.5	98.5
120	-13.8	99.6
130	-6.6	97.3
140	-3.8	88.3
150	-7.5	83.4
160	-9.8	84.1
170	-9.6	90.2
180	-5.8	94.1
190	-2.2	87.2
200	-4.9	77.7
220	-11.4	69.1
240	-12.8	76.9
260	-10.9	74.0
280	-6.0	71.8
300	-4.2	62.0
320	-1.5	59.0
340	2.1	54.7
360	0.7	43.8
380	3.4	32.5
400	4.8	30.1
420	0.0	30.0
470	-4.4	36.5
520	-12.4	50.1
570	-17.0	55.4
620	-15.7	46.7
670	-5.8	31.6

RES-STACS14-84 PEGASUS 053 STN 4

R/V RESEARCHER JDAY 81 TIME 0747Z

LATITUDE 26.98 N LONGITUDE 79.61 W

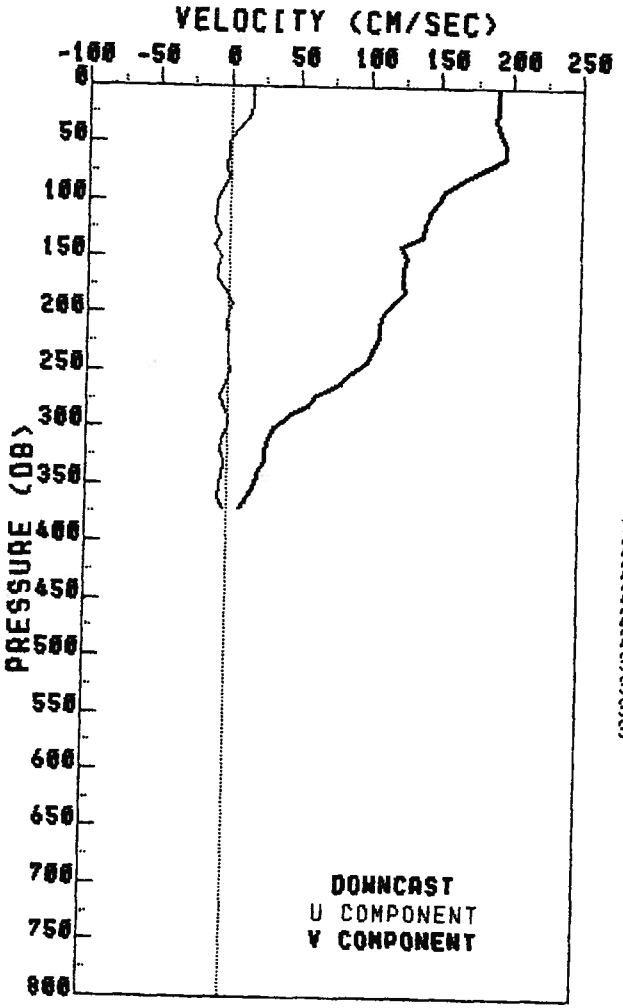


PRES	U	V
0	13.1	148.7
10	13.1	143.7
20	12.7	141.2
30	11.9	142.7
40	12.1	141.7
50	9.7	140.6
60	10.6	139.6
70	11.0	139.1
80	7.5	138.9
90	0.9	134.9
100	-3.3	130.8
110	-0.8	128.8
120	-2.5	121.7
130	-8.1	117.6
140	-7.8	117.8
150	-4.9	115.9
160	-3.0	111.8
170	-5.5	108.6
180	-4.8	103.7
190	-6.4	102.3
200	-7.7	102.3
220	-10.4	103.1
240	-8.0	101.0
260	-5.1	96.6
280	-5.8	89.3
300	0.0	86.8
320	-1.2	81.0
340	-0.8	76.1
360	-3.7	75.0
380	-3.9	70.7
400	-1.3	68.4
420	-3.4	68.7
470	6.3	54.1
520	8.5	29.4
570	4.2	19.9
620	3.8	5.6

RES-STACS14-84 PEGASUS 054 STN 2

R/V RESEARCHER JDAY 81 TIME 1026Z

LATITUDE 26.99 N LONGITUDE 79.79 W

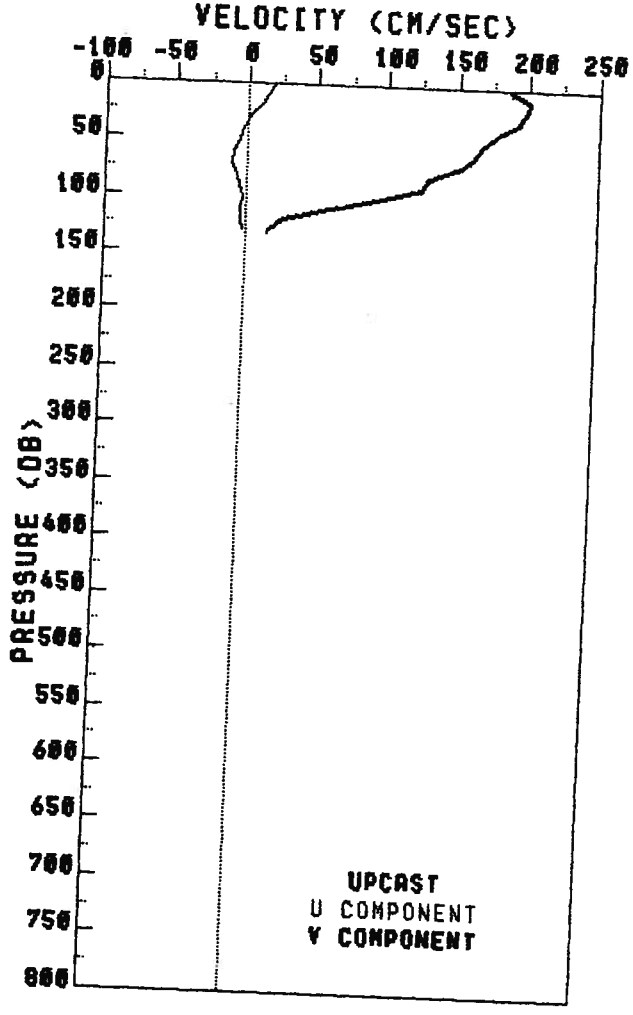


PRES	U	V
0	15.3	190.5
10	15.3	190.5
20	15.3	190.5
30	12.5	189.6
40	4.9	192.3
50	-0.2	195.4
60	-1.3	196.5
70	-2.3	182.9
80	-0.7	165.6
90	-4.4	154.0
100	-9.7	149.1
110	-9.5	143.6
120	-9.9	140.3
130	-5.8	138.1
140	-10.3	123.2
150	-5.0	128.0
160	-7.7	124.9
170	-8.3	125.5
180	-1.4	125.9
190	3.4	118.3
200	0.7	111.2
220	0.4	108.5
240	1.2	99.8
260	-0.7	80.8
280	-3.3	57.5
300	0.0	35.0
320	-4.3	27.7
340	-3.6	22.9
360	-5.7	15.1

RES-STACS14-84 PEGASUS 055 STN 0

R/V RESEARCHER JDAY 81 TIME 1200Z

LATITUDE 27.00 N LONGITUDE 79.94 W

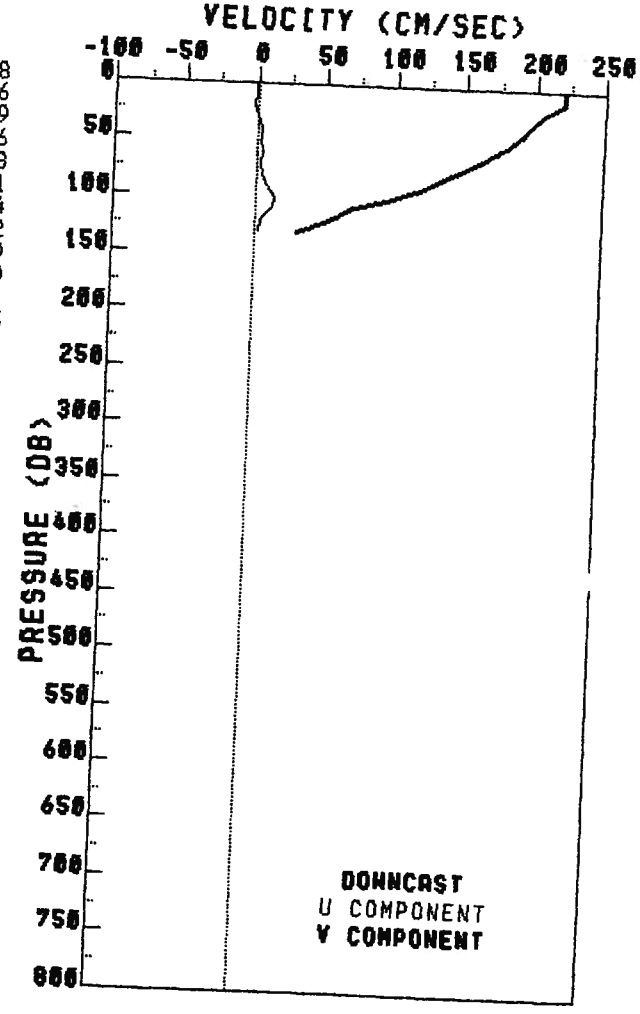


PRES	U	V
0	18.5	185.8
10	13.5	200.6
20	9.8	199.9
30	2.0	194.6
40	-2.0	179.8
50	-5.1	170.1
60	-9.3	162.4
70	-10.5	153.2
80	-6.4	130.9
90	-5.3	125.9
100	-2.4	93.1
110	-4.3	60.5
120	-4.1	26.9
130	-2.4	15.9

RES-STACS14-84 PEGASUS 056 STN 0

R/V RESEARCHER JDAY 81 TIME 2101Z

LATITUDE 27.00 N LONGITUDE 79.93 W

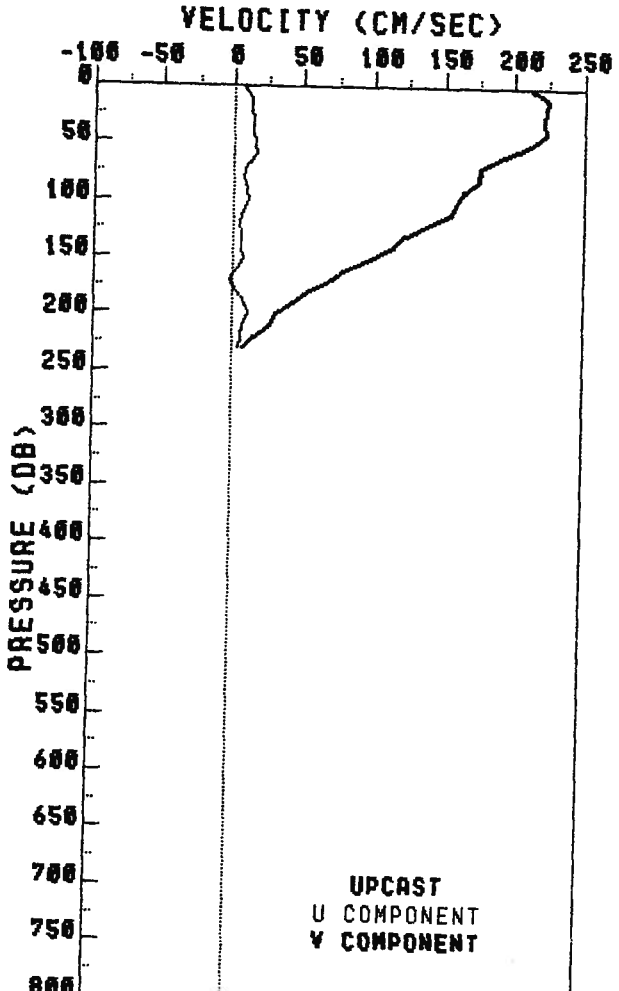


PRES	U	V
0	-0.5	221.2
10	-0.5	221.2
20	-2.5	207.7
30	0.5	199.5
40	3.9	192.3
50	3.9	181.7
60	4.3	167.0
70	3.9	152.2
80	4.1	135.1
90	8.9	120.1
100	13.8	95.0
110	13.0	67.1
120	5.1	53.8
130	2.6	30.2

RES-STACS14-84 PEGASUS 057 STN 1

R/V RESEARCHER JDAY 81 TIME 2200Z

LATITUDE 27.00 N LONGITUDE 79.88 W

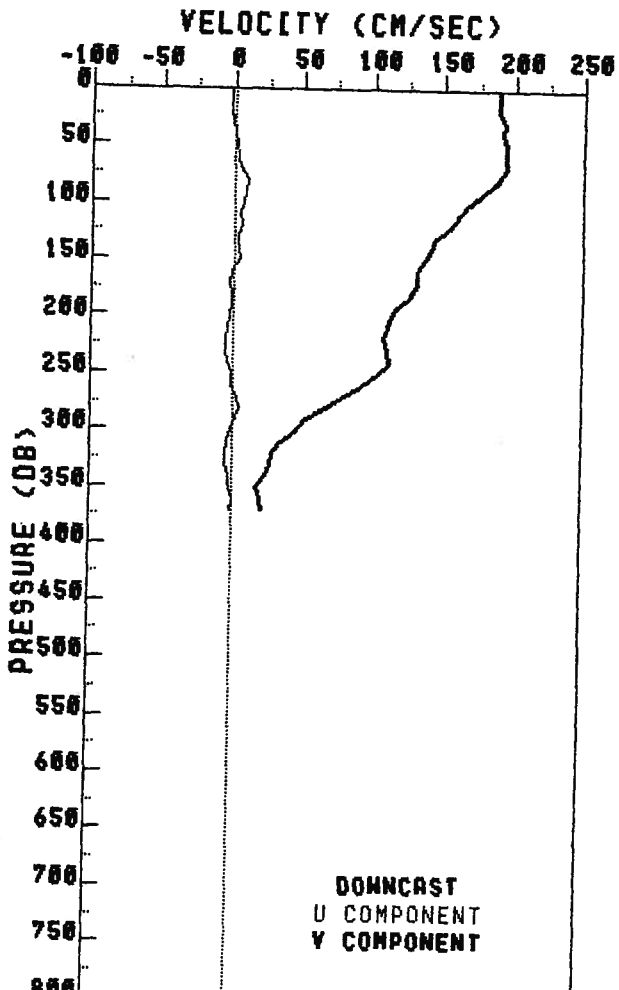


PRES	U	V
0	7.5	212.2
10	12.6	224.3
20	12.8	222.9
30	14.2	222.1
40	14.5	222.7
50	15.8	211.8
60	16.0	193.2
70	10.3	176.1
80	7.6	174.7
90	10.4	166.2
100	11.1	160.5
110	7.0	155.8
120	3.8	141.3
130	5.2	123.7
140	5.6	115.7
150	7.4	99.0
160	2.6	81.2
170	-2.5	68.7
180	2.9	54.0
190	7.9	41.7
200	11.1	31.8
220	5.9	17.2

RES-STACS14-84 PEGASUS 058 STN 2

R/V RESEARCHER JDAY 81 TIME 2337Z

LATITUDE 26.99 N LONGITUDE 79.79 W

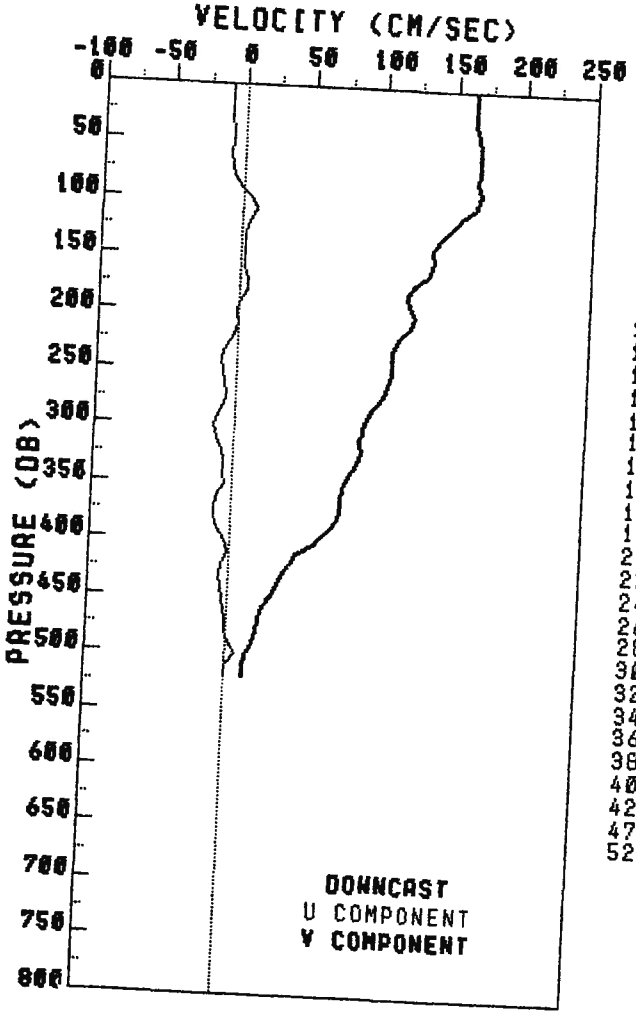


PRES	U	V
0	-2.8	188.8
10	-2.6	189.4
20	-1.7	189.1
30	-0.5	192.7
40	0.9	192.1
50	1.8	194.4
60	3.1	194.6
70	5.2	194.7
80	10.4	189.4
90	9.0	178.1
100	7.9	168.4
110	4.8	163.5
120	6.3	156.0
130	3.1	145.3
140	3.1	141.5
150	4.4	137.0
160	-0.2	131.6
170	-1.7	131.2
180	-1.4	128.1
190	-1.1	118.7
200	-2.9	114.0
220	-4.5	108.3
240	-3.3	112.4
260	-1.1	91.9
280	5.2	64.7
300	-1.1	46.7
320	-5.6	29.8
340	-2.4	25.4
360	0.1	20.9

RES-STACS14-84 PEGASUS 059 STN 3

R/V RESEARCHER JDAY 82 TIME 0107Z

LATITUDE 27.00 N LONGITUDE 79.68 W

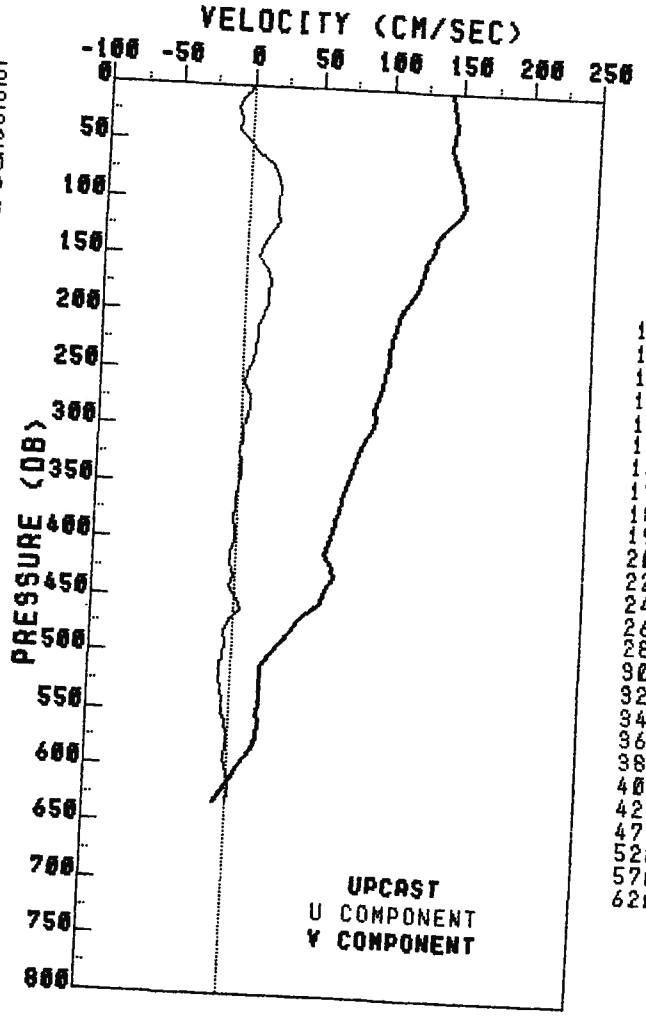


PRES	U	V
0	-8.8	164.5
10	-8.8	164.5
20	-8.8	164.5
30	-9.4	164.2
40	-7.8	167.0
50	-8.4	168.9
60	-8.6	168.8
70	-8.5	168.1
80	-6.9	167.2
90	-1.3	169.5
100	7.3	167.6
110	9.4	158.7
120	5.7	152.3
130	3.3	143.3
140	2.9	137.4
150	3.0	139.0
160	3.6	135.3
170	6.2	126.2
180	5.5	121.0
190	0.1	121.2
200	-1.3	125.6
220	-2.6	114.6
240	-10.8	111.5
260	-8.2	108.8
280	-8.1	99.1
300	-14.3	91.5
320	-7.7	92.5
340	-7.0	84.0
360	-10.1	78.1
380	-12.4	77.4
400	-4.5	61.6
420	-5.3	43.7
470	-1.4	22.9
520	0.7	13.6

RES-STACS14-84 PEGASUS 060 STN 4

R/V RESEARCHER JDAY 82 TIME 0246Z

LATITUDE 26.98 N LONGITUDE 79.62 W

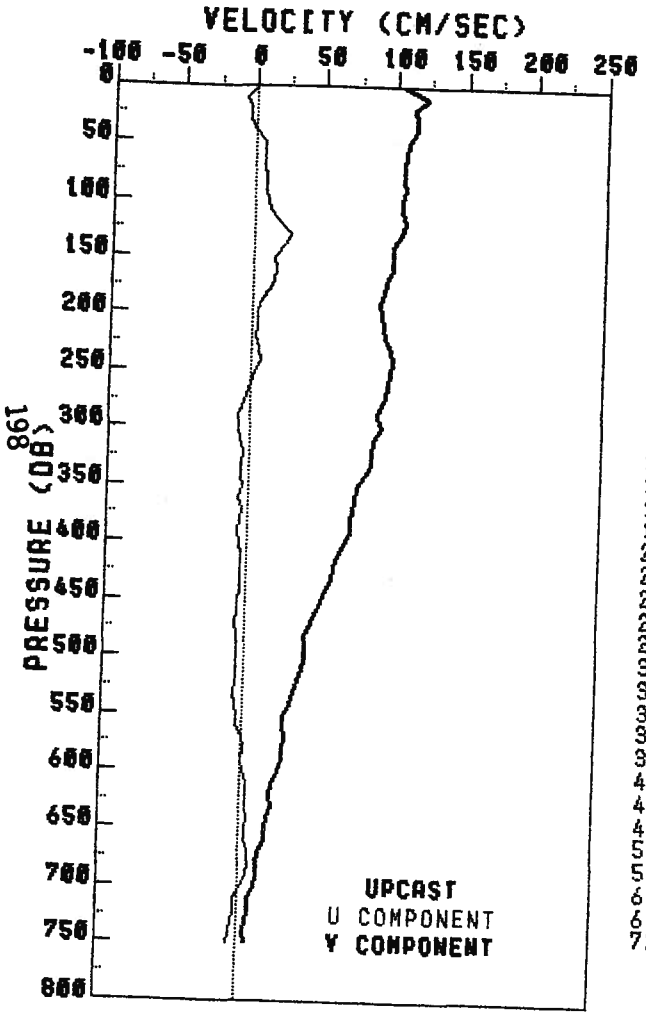


PRES	U	V
0	0.1	143.0
10	-6.3	143.8
20	-9.9	145.4
30	-7.1	146.6
40	-8.9	145.9
50	-0.8	144.7
60	5.9	147.4
70	16.5	149.6
80	20.4	151.8
90	22.1	153.2
100	20.5	154.9
110	21.0	151.5
120	22.3	142.3
130	16.3	135.8
140	12.0	134.2
150	9.4	129.1
160	15.8	127.2
170	18.1	125.1
180	16.3	120.2
190	17.0	114.9
200	14.8	111.2
220	10.1	106.9
240	7.7	105.1
260	2.3	101.3
280	5.7	96.8
300	1.9	95.4
320	0.5	86.1
340	1.8	80.5
360	-0.7	75.9
380	-2.7	71.3
400	-1.4	68.0
420	-3.0	70.4
470	-1.6	46.6
520	-8.2	22.9
570	-1.0	21.3
620	2.2	-2.5

RES-STACS14-84 PEGASUS 061 STN 5

R/V RESEARCHER JDAY 82 TIME 0436Z

LATITUDE 27.00 N LONGITUDE 79.50 W

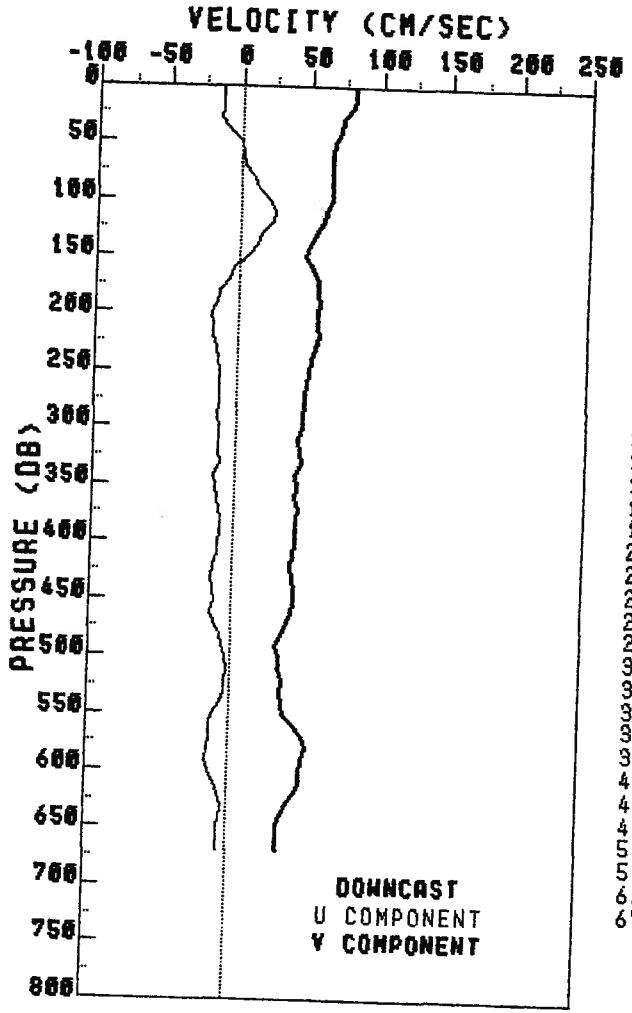


PRES	U	V
0	1.7	105.1
10	-6.2	121.3
20	-3.9	113.4
30	-3.8	114.6
40	0.2	114.4
50	6.8	109.9
60	6.5	107.6
70	7.3	107.1
80	8.3	107.1
90	8.1	108.3
100	10.2	105.6
110	11.8	105.6
120	18.2	108.0
130	26.1	105.4
140	22.5	100.7
150	15.2	100.6
160	16.0	99.6
170	14.7	95.6
180	11.5	94.4
190	6.3	92.0
200	4.2	93.5
220	3.6	96.5
240	6.5	101.0
260	-0.3	98.5
280	-4.9	93.7
300	-8.2	94.1
320	-4.5	88.1
340	-5.8	83.6
360	-6.0	77.0
380	-4.9	74.2
400	-5.3	70.3
420	-4.2	62.9
470	-6.2	47.8
520	-5.1	39.6
570	0.6	32.1
620	3.7	22.3
670	6.9	14.8
720	-2.7	8.4

RES-STACS14-84 PEGASUS 063 STN 6

R/V RESEARCHER JDAY 82 TIME 0820Z

LATITUDE 26.99 N LONGITUDE 79.37 W

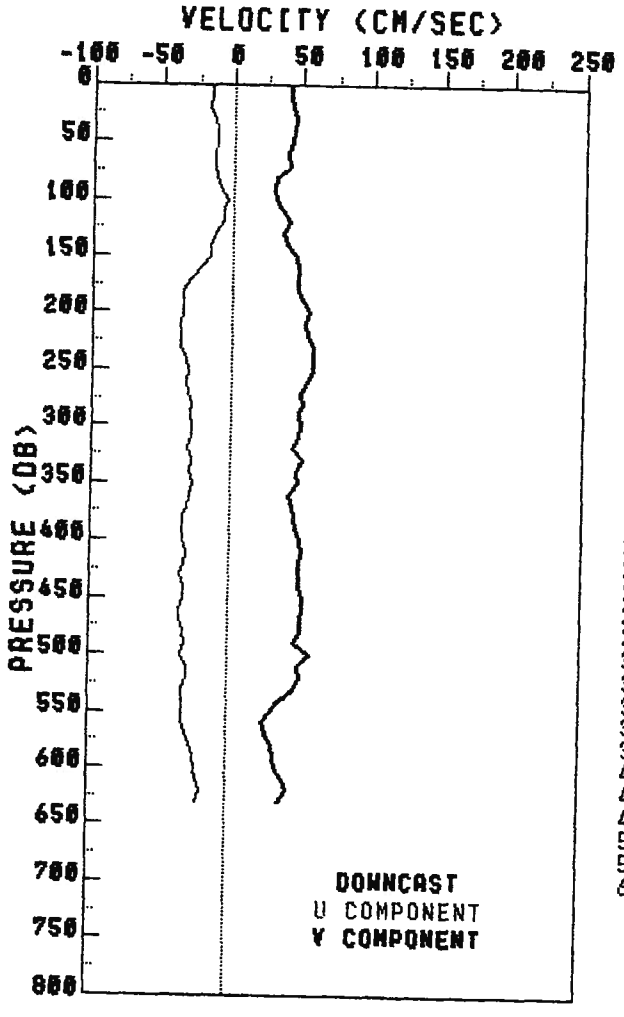


PRES	U	V
0	-12.5	80.9
10	-12.5	80.9
20	-12.9	80.0
30	-14.2	73.6
40	-7.0	72.2
50	0.3	67.6
60	2.2	66.2
70	3.2	65.8
80	9.8	66.0
90	13.0	66.3
100	20.9	65.8
110	25.6	62.6
120	24.2	60.6
130	16.1	54.9
140	13.3	51.3
150	5.9	48.6
160	-3.3	53.7
170	-5.8	57.5
180	-13.0	58.4
190	-15.2	59.2
200	-19.0	58.5
220	-17.5	59.0
240	-13.1	54.0
260	-11.6	51.6
280	-11.6	50.4
300	-11.6	47.8
320	-12.2	47.4
340	-14.4	44.7
360	-12.3	44.5
380	-8.9	45.4
400	-9.7	45.1
420	-13.1	43.3
470	-11.8	41.1
520	-3.0	38.7
570	-13.5	54.2
620	-6.8	48.4
670	-6.3	37.5

RES-STACS14-84 PEGASUS 064 STN 7

R/V RESEARCHER JDAY 82 TIME 1005Z

LATITUDE 27.00 N LONGITUDE 79.29 W

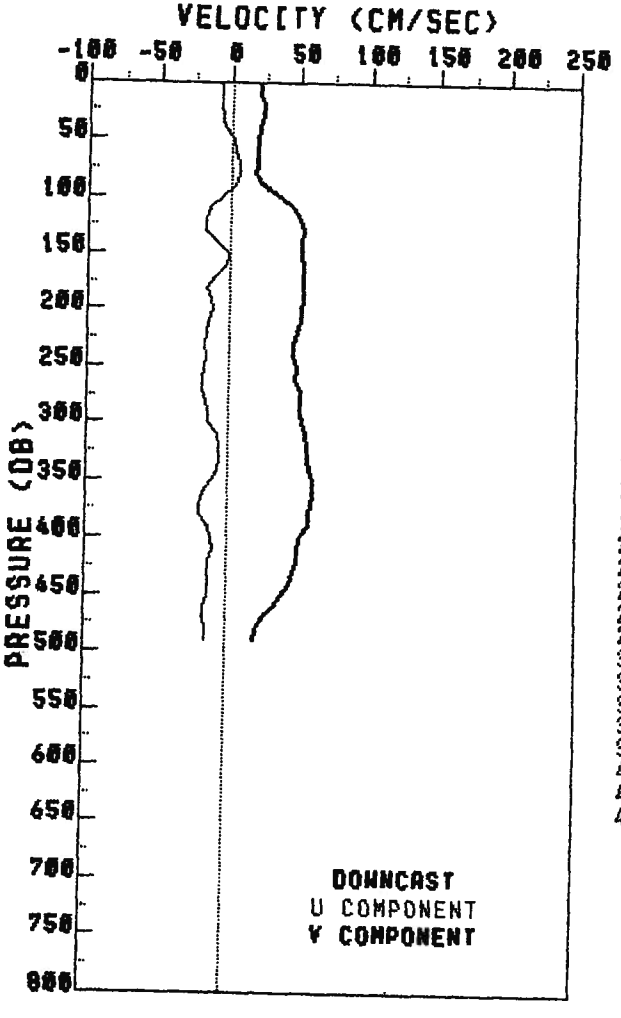


PRES	U	V
0	-16.1	41.6
10	-16.1	41.6
20	-17.3	41.9
30	-13.2	45.3
40	-12.3	44.2
50	-11.7	42.7
60	-13.6	40.3
70	-12.9	40.7
80	-11.9	32.2
90	-8.8	30.0
100	-4.3	31.1
110	-6.5	36.3
120	-6.8	40.7
130	-12.4	36.5
140	-15.7	40.1
150	-16.5	46.6
160	-22.6	48.1
170	-30.0	48.6
180	-34.7	48.6
190	-34.8	52.8
200	-35.0	55.9
220	-37.0	55.5
240	-32.5	58.4
260	-32.1	55.1
280	-29.0	52.1
300	-29.0	50.7
320	-31.6	45.6
340	-30.5	48.5
360	-30.2	43.0
380	-33.3	46.7
400	-34.0	50.5
420	-32.9	50.6
470	-35.8	51.8
520	-30.0	52.6
570	-29.9	28.3
620	-18.6	44.5

RES-STACS14-84 PEGASUS 065 STN 8

R/V RESEARCHER JDAY 82 TIME 1144Z

LATITUDE 27.00 N LONGITUDE 79.20 W

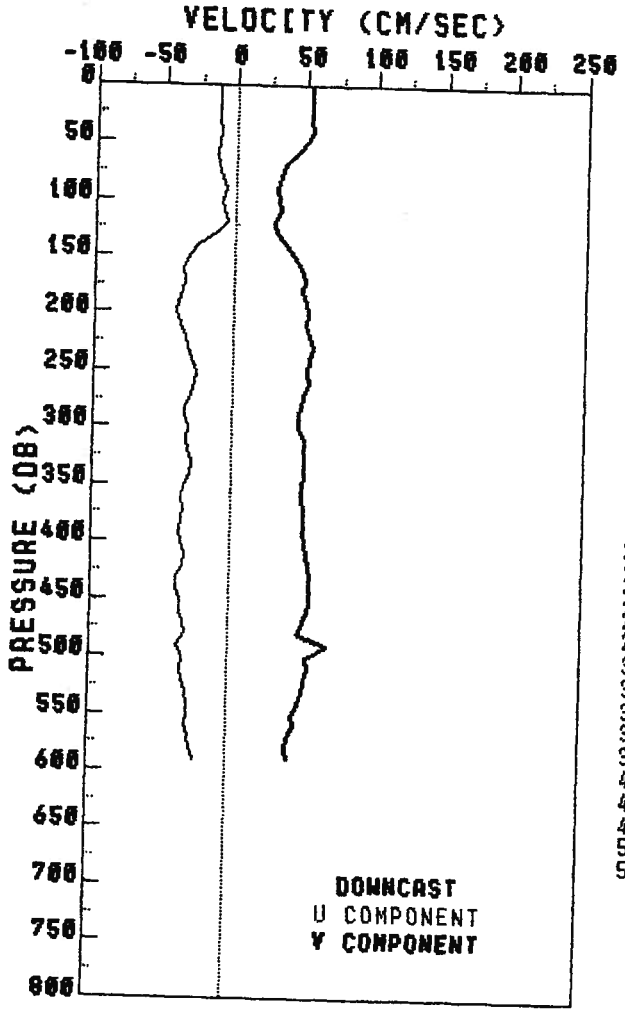


PRES	U	V
0	-8.0	21.4
10	-8.0	21.4
20	-8.1	24.3
30	-6.4	23.6
40	-4.7	20.8
50	1.3	19.9
60	3.9	19.8
70	5.7	19.0
80	5.7	17.9
90	2.8	24.5
100	-5.9	37.8
110	-14.5	45.8
120	-17.6	51.3
130	-17.2	53.8
140	-9.6	53.0
150	-0.5	52.1
160	-1.5	53.3
170	-11.1	54.5
180	-15.5	54.2
190	-13.3	54.0
200	-11.4	53.1
220	-15.8	49.8
240	-16.1	47.2
260	-18.0	48.8
280	-15.8	52.9
300	-14.6	53.8
320	-6.8	57.9
340	-8.1	58.7
360	-17.8	61.9
380	-19.6	59.2
400	-12.3	52.5
420	-12.8	51.0
470	-16.1	28.5

RES-STACS14-84 PEGASUS 066 STN 7

R/V RESEARCHER JDAY 82 TIME 1307Z

LATITUDE 27.00 N LONGITUDE 79.29 W

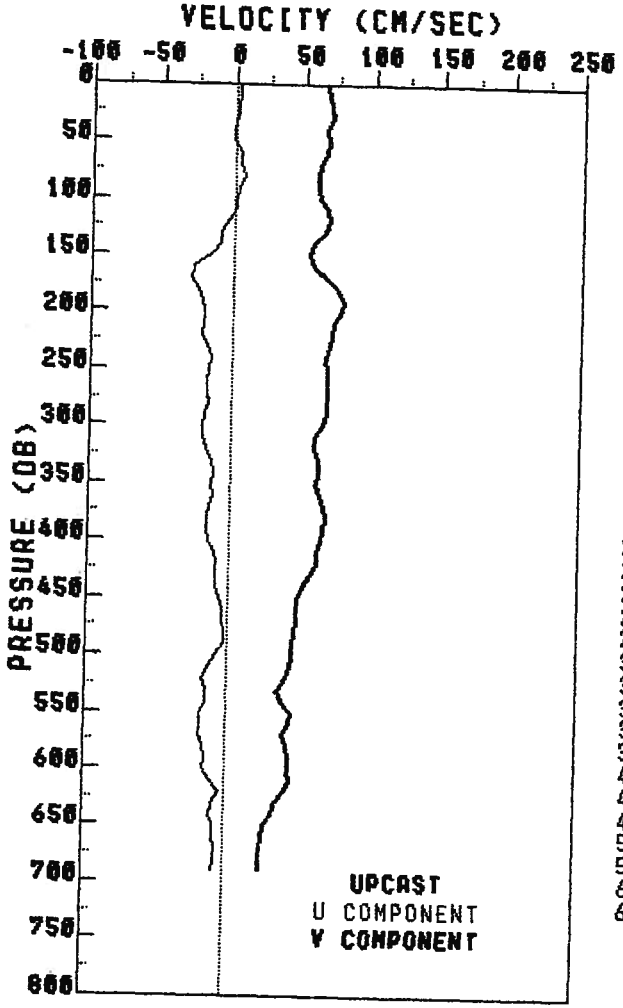


PRES	U	V
0	-11.9	53.5
10	-11.9	53.5
20	-11.9	53.2
30	-11.9	53.3
40	-10.3	54.7
50	-12.6	50.3
60	-13.0	44.4
70	-12.6	36.3
80	-9.3	32.7
90	-7.1	30.7
100	-9.2	31.8
110	-7.8	33.6
120	-5.8	29.3
130	-14.1	30.3
140	-26.1	36.7
150	-33.0	43.2
160	-36.6	48.2
170	-36.0	50.3
180	-36.8	49.7
190	-40.1	52.6
200	-40.8	54.0
220	-34.1	54.3
240	-29.3	55.4
260	-27.0	54.7
280	-33.8	49.6
300	-31.4	48.0
320	-31.3	52.5
340	-30.1	52.8
360	-34.9	51.4
380	-35.7	52.5
400	-35.6	53.1
420	-33.9	56.4
470	-33.1	52.9
520	-32.3	55.0
570	-27.7	43.5

RES-STACS14-84 PEGASUS 067 STN 6

R/V RESEARCHER JDAY 82 TIME 1458Z

LATITUDE 27.00 N LONGITUDE 79.37 W

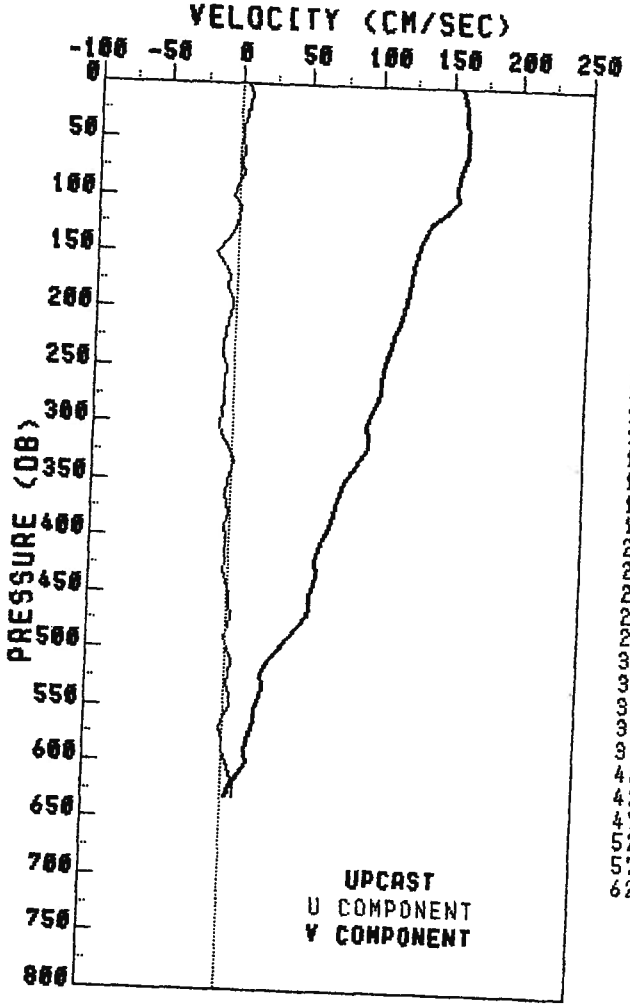


PRES	U	V
0	3.2	65.7
10	3.8	67.4
20	2.2	69.5
30	1.7	70.0
40	-0.4	65.9
50	-0.2	67.3
60	4.3	66.6
70	5.3	62.0
80	6.8	60.9
90	3.7	61.3
100	2.2	62.3
110	1.5	67.2
120	-3.1	69.3
130	-8.4	65.7
140	-9.3	58.3
150	-16.3	54.8
160	-28.2	58.2
170	-30.1	67.5
180	-24.1	75.8
190	-21.0	79.2
200	-20.5	78.5
220	-21.3	71.7
240	-13.9	67.5
260	-17.2	68.6
280	-16.2	69.3
300	-19.4	65.5
320	-17.8	61.1
340	-11.9	63.3
360	-12.2	64.8
380	-15.4	68.6
400	-14.0	65.7
420	-9.2	63.8
470	-3.5	49.9
520	-16.6	43.3
570	-18.1	41.9
620	-3.0	43.3
670	-6.9	26.5

RES-STACS14-84 PEGASUS 069 STN 4

R/V RESEARCHER JDAY 82 TIME 1950Z

LATITUDE 26.99 N LONGITUDE 79.61 W

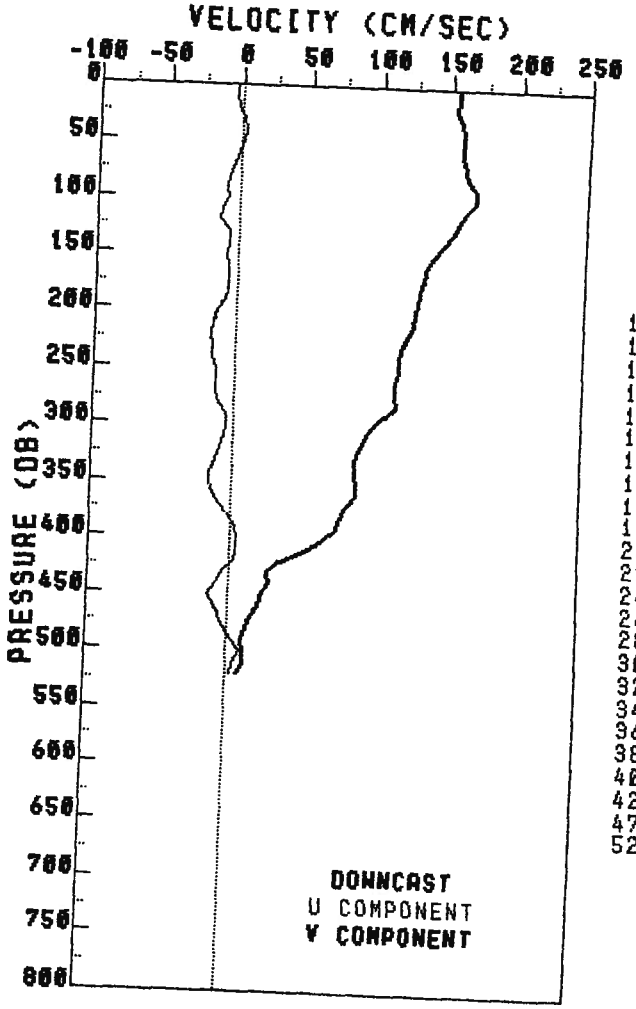


PRES	U	V
0	4.9	158.0
10	7.4	160.6
20	5.4	162.1
30	3.9	161.4
40	1.7	162.5
50	1.2	163.2
60	3.0	162.9
70	1.4	160.2
80	3.2	157.0
90	-1.5	156.3
100	-3.4	156.9
110	1.4	151.1
120	0.1	140.3
130	-2.7	133.9
140	-8.4	130.3
150	-15.2	128.6
160	-9.1	125.7
170	-5.6	124.7
180	-6.2	122.9
190	-3.0	122.2
200	-1.9	120.6
220	-6.0	113.2
240	-7.5	109.4
260	-6.0	105.4
280	-6.4	102.5
300	-9.0	95.7
320	-3.1	97.4
340	-0.4	86.4
360	-4.2	77.9
380	-1.8	73.8
400	-2.8	67.8
420	-2.8	62.4
470	3.2	57.3
520	2.6	26.3
570	-2.0	20.5
620	7.8	7.2

RES-STACS14-84 PEGASUS 070 STN 3

R/V RESEARCHER JDAY 82 TIME 2138Z

LATITUDE 27.00 N LONGITUDE 79.69 W

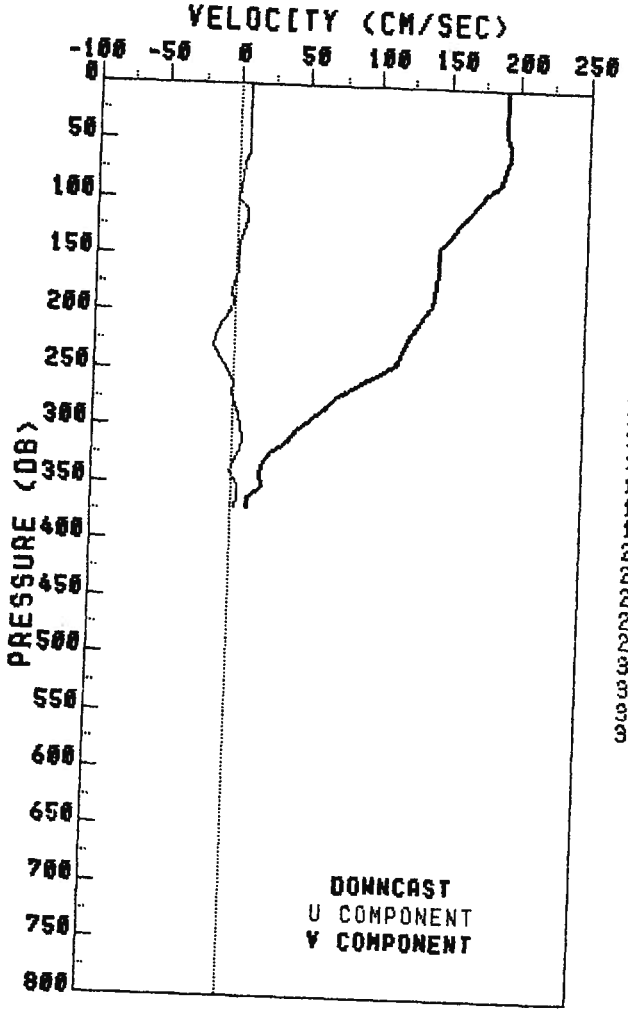


PRES	U	V
0	-3.2	155.2
10	-3.6	155.5
20	-2.5	153.5
30	1.4	157.1
40	2.7	159.5
50	2.0	159.0
60	-0.7	158.8
70	-3.1	161.5
80	-7.9	163.5
90	-9.7	170.0
100	-7.3	170.2
110	-11.8	162.8
120	-13.3	158.1
130	-6.4	153.6
140	-6.2	146.6
150	-8.2	140.6
160	-6.8	136.4
170	-6.0	133.9
180	-5.8	131.6
190	-7.3	129.9
200	-12.5	128.5
220	-16.8	123.1
240	-15.9	118.1
260	-12.6	115.9
280	-9.9	116.4
300	-4.6	100.0
320	-9.0	90.5
340	-15.4	88.4
360	-13.7	89.2
380	-2.4	78.5
400	4.0	65.9
420	3.5	36.5
470	-6.0	16.7
520	3.3	8.8

RES-STACS14-84 PEGASUS 071 STN 2

R/V RESEARCHER JDAY 82 TIME 2327Z

LATITUDE 26.99 N LONGITUDE 79.79 W

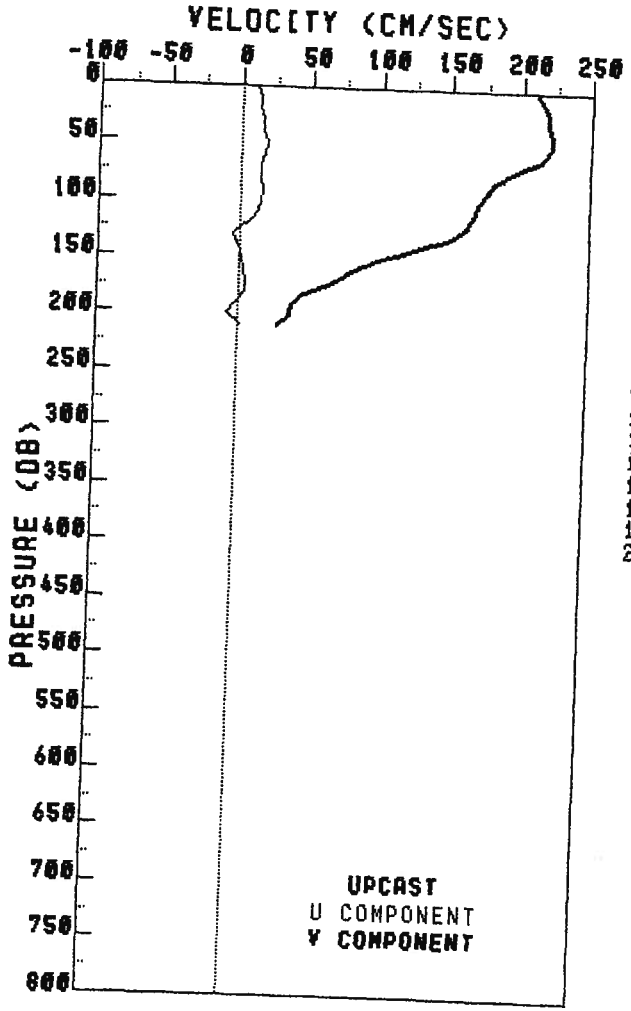


PRES	U	V
0	7.3	191.9
10	7.3	191.9
20	7.3	191.9
30	7.0	191.8
40	7.2	192.0
50	7.0	193.7
60	7.2	193.9
70	4.1	191.6
80	3.5	189.4
90	1.1	179.6
100	0.6	172.4
110	7.7	167.4
120	6.9	159.2
130	4.8	154.0
140	1.8	145.5
150	1.8	145.5
160	1.8	145.5
170	0.6	143.8
180	-1.8	142.4
190	-0.8	140.9
200	-2.2	135.4
220	-13.4	124.0
240	-9.7	117.2
260	-0.2	88.5
280	1.0	67.3
300	5.3	47.5
320	6.1	29.8
340	-0.7	20.3
360	4.7	12.1

RES-STACS14-84 PEGASUS 072 STN 1

R/V RESEARCHER JDAY 83 TIME 0058Z

LATITUDE 27.00 N LONGITUDE 79.87 W

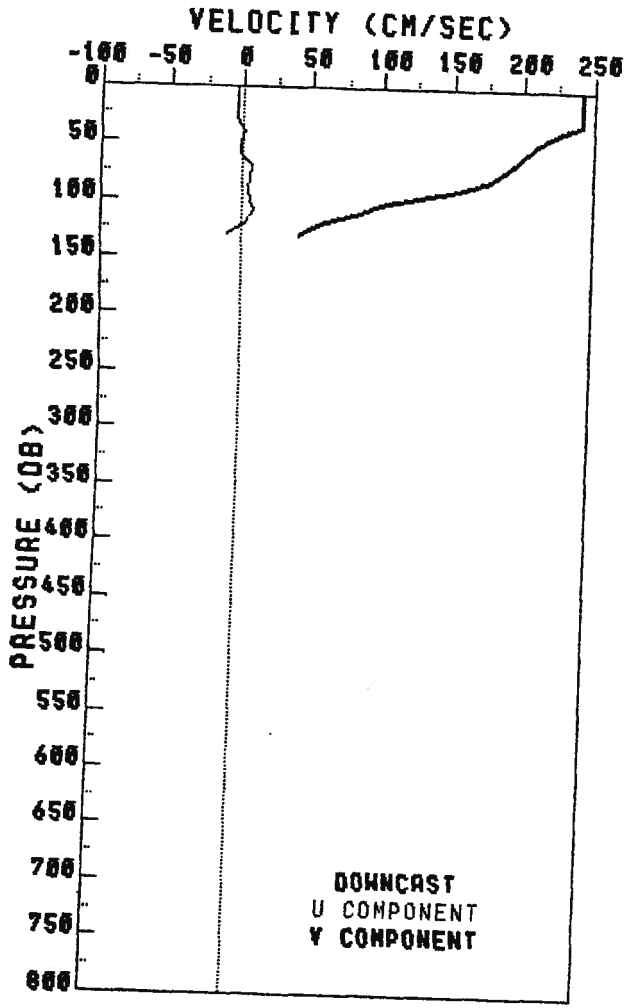


PRES	U	V
0	9.6	209.9
10	13.4	214.5
20	12.4	218.7
30	15.6	219.8
40	15.0	221.8
50	17.9	221.5
60	16.6	215.5
70	13.9	196.1
80	14.6	181.8
90	15.6	176.6
100	14.7	170.3
110	13.3	169.1
120	5.9	163.0
130	-4.4	150.4
140	-1.0	125.4
150	1.4	98.5
160	2.8	79.2
170	5.3	67.0
180	5.3	47.0
190	-2.9	39.5
200	-7.8	37.3

RES-STACS14-84 PEGASUS 073 STN 0

R/V RESEARCHER JDAY 83 TIME 0206Z

LATITUDE 27.00 N LONGITUDE 79.93 W

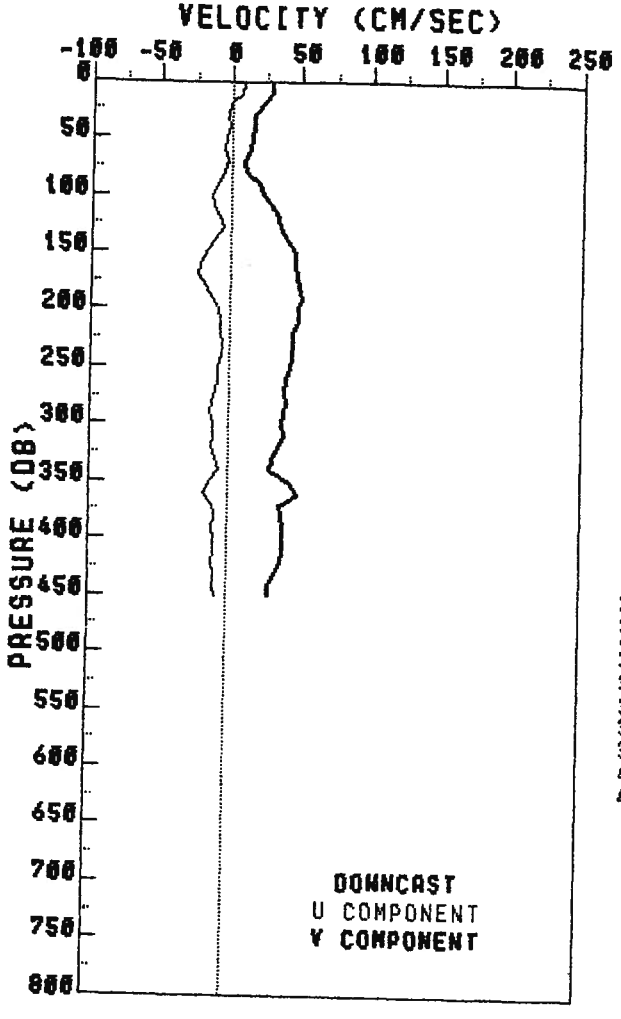


PRES	U	V
0	-4.4	242.0
10	-4.4	242.0
20	-4.4	242.0
30	-4.4	242.3
40	1.3	221.8
50	-0.9	207.7
60	-0.6	198.8
70	7.4	188.5
80	6.1	178.0
90	3.7	149.9
100	6.2	104.6
110	9.1	84.8
120	3.3	57.0
130	-9.9	40.8

VK-STACS15-84 PEGASUS 001 STN 8

R/V VIRGINIA KEY JDAY 173 TIME 0916Z

LATITUDE 27.01 N LONGITUDE 79.20 W

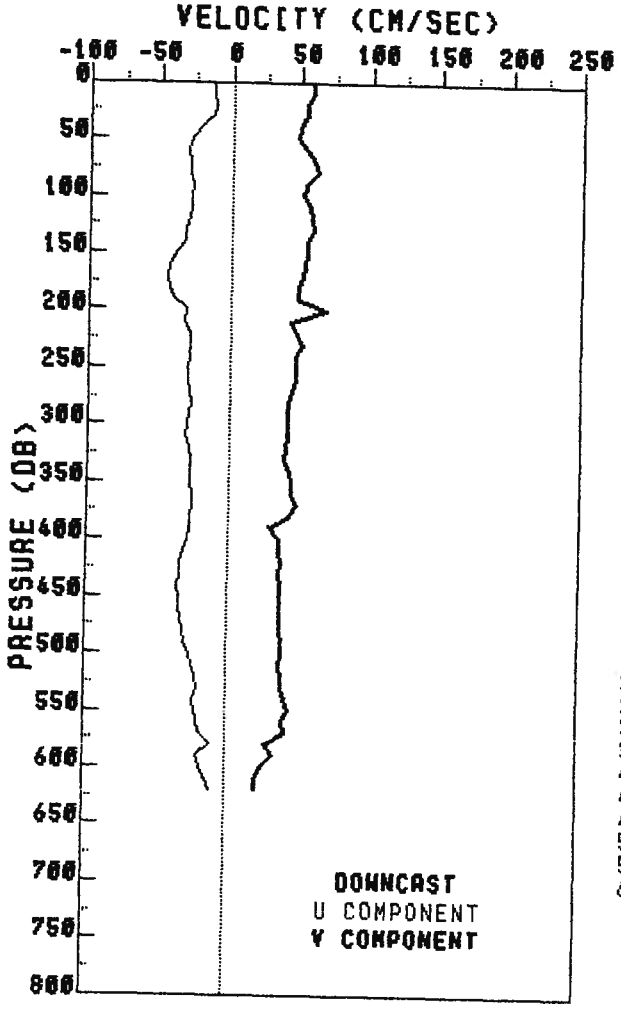


PRES	U	V
0	8.8	29.4
10	6.9	29.1
20	-0.7	23.9
30	-2.5	16.1
40	-0.9	16.8
50	-3.2	14.7
60	-5.7	14.0
70	-2.8	9.9
80	-4.6	11.2
90	-9.1	20.2
100	-13.0	23.2
110	-12.0	29.1
120	-7.3	34.1
130	-4.9	36.4
140	-11.3	41.9
150	-17.7	46.9
160	-22.3	46.2
170	-23.0	48.5
180	-17.3	49.3
190	-12.0	51.6
200	-7.4	49.5
220	-7.0	44.8
240	-4.9	45.5
260	-8.5	40.9
280	-12.2	41.9
300	-10.6	39.0
320	-11.5	36.2
340	-6.7	30.6
360	-17.6	49.4
380	-9.6	38.7
400	-10.0	39.5
420	-11.4	38.4

VK-STACS15-84 PEGASUS 002 STN 7

R/V VIRGINIA KEY JDAY 173 TIME 1045Z

LATITUDE 27.00 N LONGITUDE 79.29 W

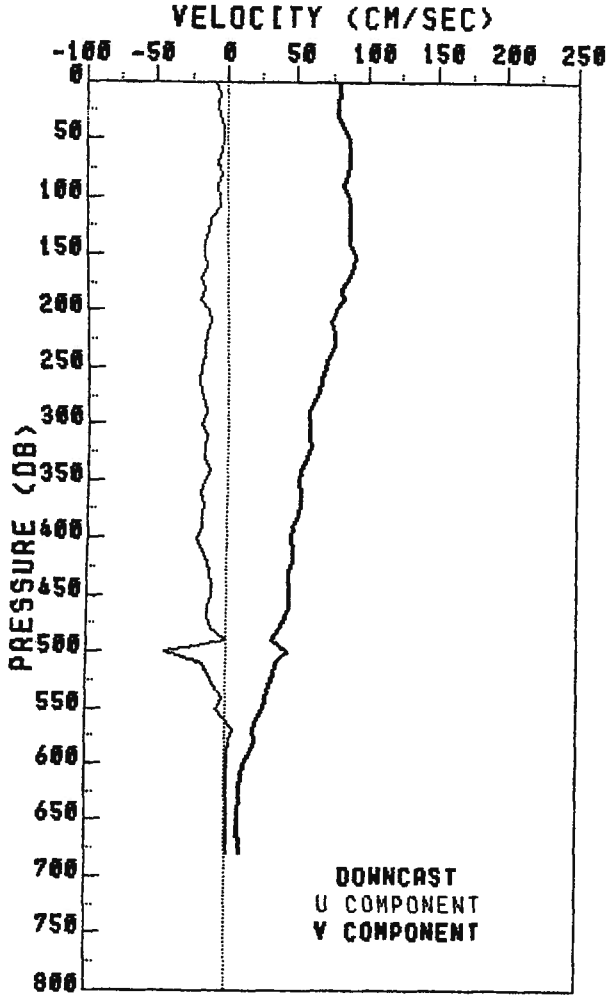


PRES	U	V
0	-13.6	57.8
10	-13.6	57.5
20	-12.3	54.4
30	-13.6	53.9
40	-21.2	49.4
50	-28.5	49.0
60	-30.4	53.2
70	-30.2	59.7
80	-29.3	62.0
90	-26.6	54.3
100	-28.8	52.0
110	-27.8	56.0
120	-29.8	58.4
130	-32.6	59.2
140	-32.4	55.5
150	-38.7	55.5
160	-43.1	54.2
170	-44.8	52.0
180	-43.3	49.7
190	-39.0	50.2
200	-31.2	68.9
220	-28.8	49.0
240	-28.8	47.8
260	-29.9	48.6
280	-26.3	43.3
300	-30.0	43.2
320	-28.5	41.8
340	-26.6	44.7
360	-25.3	46.3
380	-26.5	43.9
400	-28.7	36.8
420	-34.0	38.5
470	-32.3	38.7
520	-21.0	40.8
570	-18.6	42.9
620	-10.3	21.9

VK-STACS15-84 PEGASUS 003 STN 6

R/V VIRGINIA KEY JDAY 173 TIME 1224Z

LATITUDE 27.00 N LONGITUDE 79.38 W

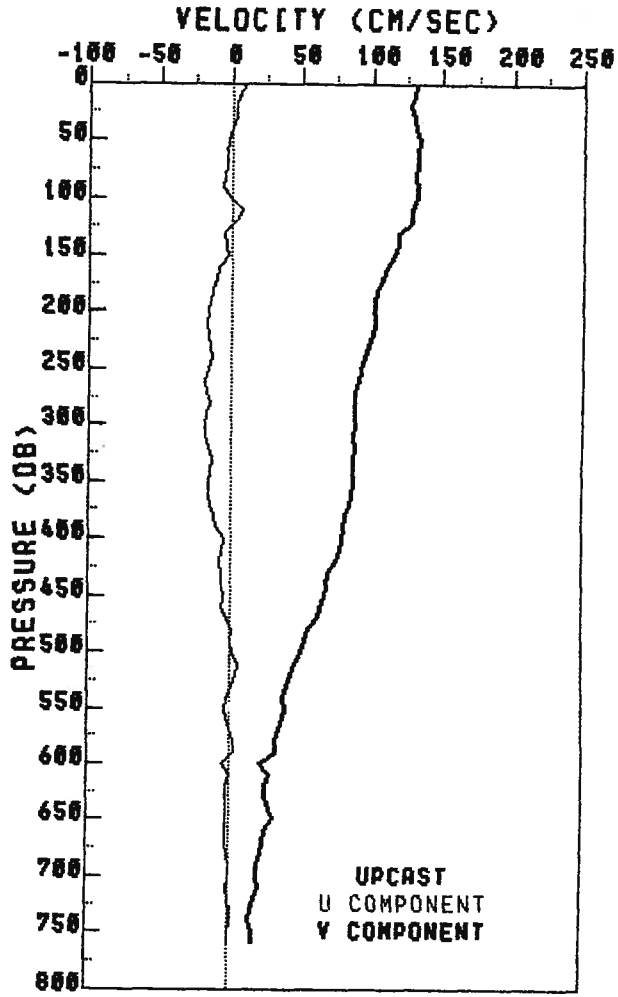


PRES	U	V
0	-7.4	81.2
10	-5.8	80.6
20	-6.8	79.7
30	-5.3	80.0
40	-2.8	83.9
50	-2.0	88.0
60	-3.6	87.4
70	-6.5	88.0
80	-4.0	85.7
90	-6.5	84.2
100	-5.1	87.3
110	-5.1	87.2
120	-12.1	87.9
130	-13.6	87.4
140	-16.7	88.1
150	-16.1	91.8
160	-15.3	90.0
170	-18.5	87.8
180	-16.6	82.3
190	-18.5	83.7
200	-13.5	78.1
220	-14.4	76.9
240	-16.4	72.2
260	-20.8	67.5
280	-16.5	62.3
300	-18.3	58.9
320	-16.8	60.0
340	-12.2	53.3
360	-18.4	53.4
380	-17.7	52.4
400	-21.5	46.2
420	-13.2	48.2
470	-13.6	43.0
520	-11.6	34.6
570	6.1	21.2
620	2.0	11.2
670	2.0	10.6

VK-STACS15-84 PEGASUS 004 STN 5

R/V VIRGINIA KEY JDAY 173 TIME 1422Z

LATITUDE 26.99 N LONGITUDE 79.50 W

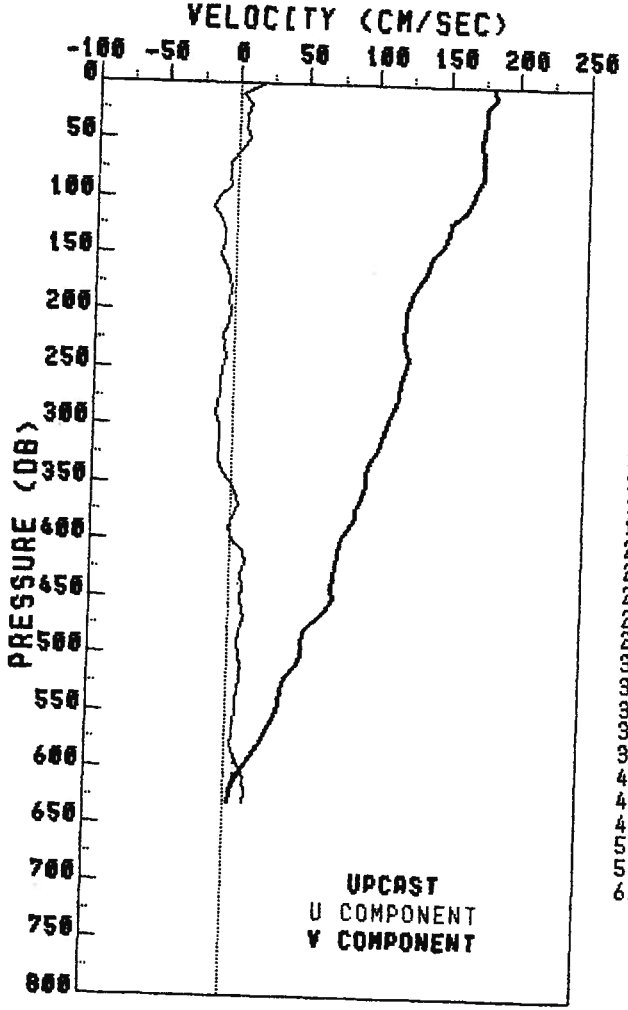


PRES	U	V
0	9.9	132.3
10	4.4	130.4
20	2.8	128.1
30	3.6	130.1
40	0.3	131.6
50	-1.8	134.5
60	-3.5	133.1
70	-4.2	133.3
80	-5.2	132.0
90	-5.9	133.4
100	0.7	132.6
110	6.9	128.7
120	3.9	128.8
130	-5.0	119.5
140	-9.0	118.6
150	-2.7	117.4
160	-9.4	111.3
170	-10.1	108.3
180	-13.6	104.4
190	-15.0	102.7
200	-16.1	102.6
220	-16.0	101.4
240	-13.3	96.6
260	-18.6	92.8
280	-15.0	90.0
300	-18.1	89.2
320	-15.4	89.1
340	-14.5	88.2
360	-15.9	86.7
380	-11.5	83.2
400	-5.2	80.1
420	-7.4	76.1
470	-2.7	63.0
520	5.3	44.2
570	0.1	36.6
620	-2.4	27.1
670	-1.6	24.7
720	0.9	19.4

VK-STACS15-84 PEGASUS 005 STN 4

R/V VIRGINIA KEY JDAY 173 TIME 1631Z

LATITUDE 26.98 N LONGITUDE 79.62 W

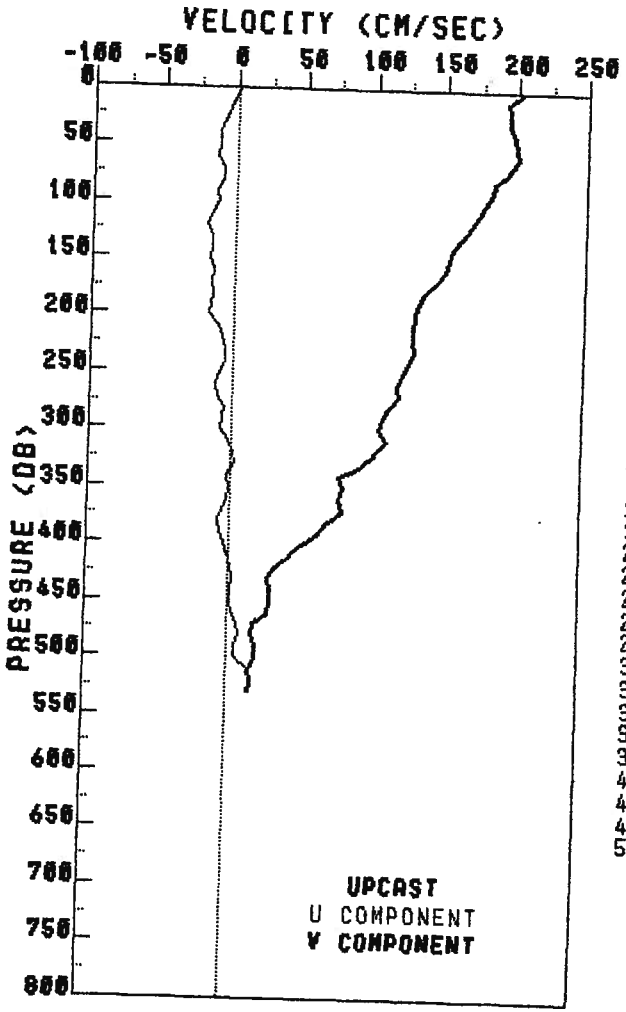


PRES	U	V
0	18.2	181.8
10	3.3	182.9
20	8.7	176.7
30	6.3	176.1
40	5.8	175.7
50	8.9	174.1
60	2.2	175.2
70	-5.8	174.7
80	-5.9	175.3
90	-4.4	171.8
100	-13.6	168.3
110	-16.2	163.9
120	-10.7	153.3
130	-7.8	151.9
140	-8.6	149.6
150	-10.6	141.7
160	-6.9	138.0
170	-4.0	134.2
180	-2.8	128.4
190	-4.0	125.5
200	-3.0	123.9
220	-8.1	121.9
240	-5.8	126.1
260	-9.2	119.9
280	-10.8	117.5
300	-9.2	110.9
320	-9.3	104.8
340	-6.4	97.3
360	4.5	94.1
380	1.5	89.8
400	2.1	80.0
420	11.9	76.9
470	10.6	63.5
520	9.4	42.7
570	5.1	29.0
620	14.8	6.4

VK-STACS15-84 PEGASUS 006 STN 3

R/V VIRGINIA KEY JDAY 173 TIME 1815Z

LATITUDE 26.99 N LONGITUDE 79.68 W

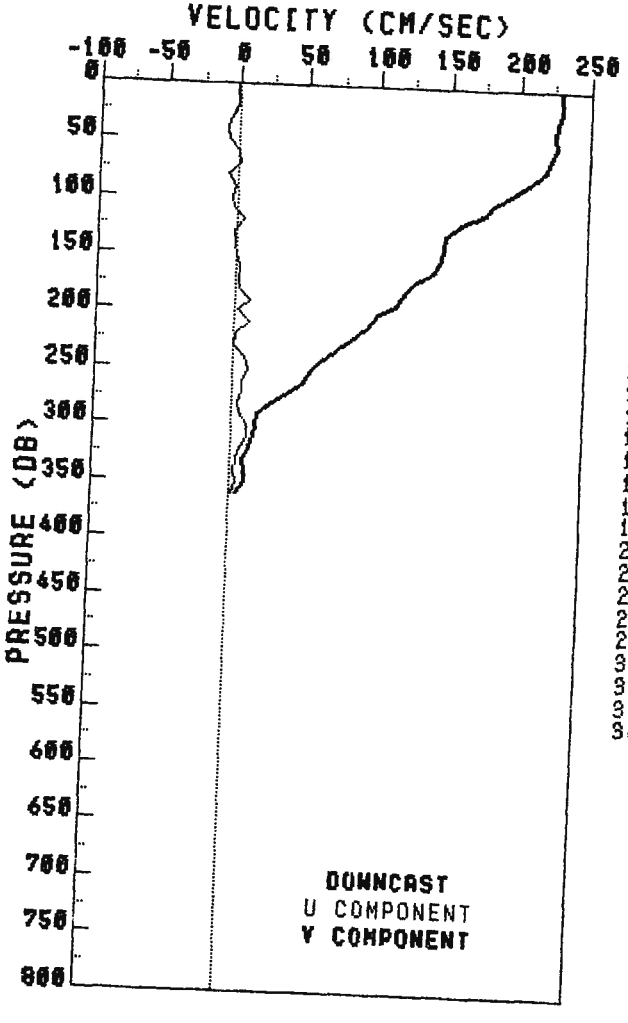


PRES	U	V
0	2.2	202.9
10	-2.6	193.6
20	-4.6	194.8
30	-9.2	195.0
40	-11.5	199.1
50	-11.4	200.3
60	-13.6	201.3
70	-8.9	194.2
80	-8.5	185.1
90	-13.1	184.4
100	-11.1	177.9
110	-16.5	173.6
120	-19.3	168.3
130	-16.4	162.7
140	-15.3	156.2
150	-16.9	153.2
160	-14.7	150.9
170	-15.4	144.2
180	-14.3	135.8
190	-15.3	131.4
200	-16.9	129.9
220	-7.4	129.3
240	-5.6	126.6
260	-11.9	118.7
280	-4.7	113.3
300	-7.8	106.2
320	2.6	103.3
340	-1.5	78.7
360	-2.8	76.5
380	-7.9	71.3
400	-3.1	52.4
420	1.3	34.9
470	7.1	19.3
520	18.0	18.0

VK-STACS15-84 PEGASUS 007 STN 2

R/V VIRGINIA KEY JDAY 173 TIME 2029Z

LATITUDE 26.99 N LONGITUDE 79.79 W

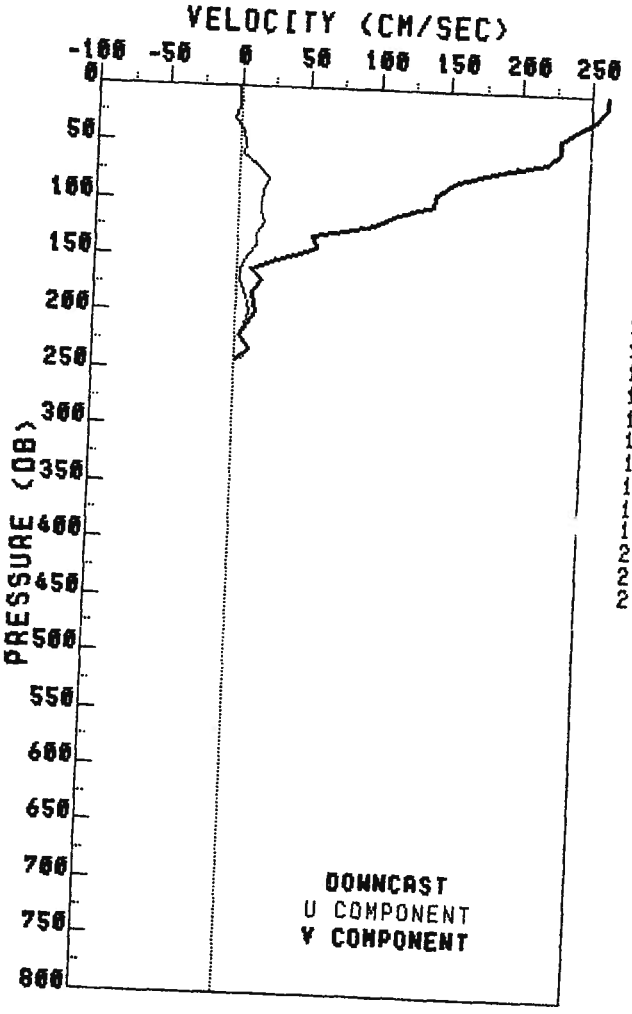


PRES	U	V
0	-0.7	230.4
10	-0.7	230.4
20	-0.7	230.4
30	-4.6	226.7
40	-8.2	225.5
50	-5.9	226.8
60	0.1	223.7
70	1.2	220.0
80	-6.2	208.9
90	-1.2	197.1
100	-4.0	183.6
110	-1.9	178.2
120	6.1	158.3
130	-1.7	148.8
140	-1.6	147.3
150	0.8	146.0
160	2.9	143.1
170	2.7	130.2
180	3.3	122.6
190	10.7	116.1
200	3.2	104.1
220	1.2	87.1
240	8.1	65.8
260	7.5	52.0
280	4.5	27.1
300	11.4	17.7
320	7.0	13.6
340	2.5	11.7
360	2.0	5.7

VK-STACS15-84 PEGASUS 008 STN 1

R/V VIRGINIA KEY JDAY 173 TIME 2307Z

LATITUDE 27.00 N LONGITUDE 79.87 W

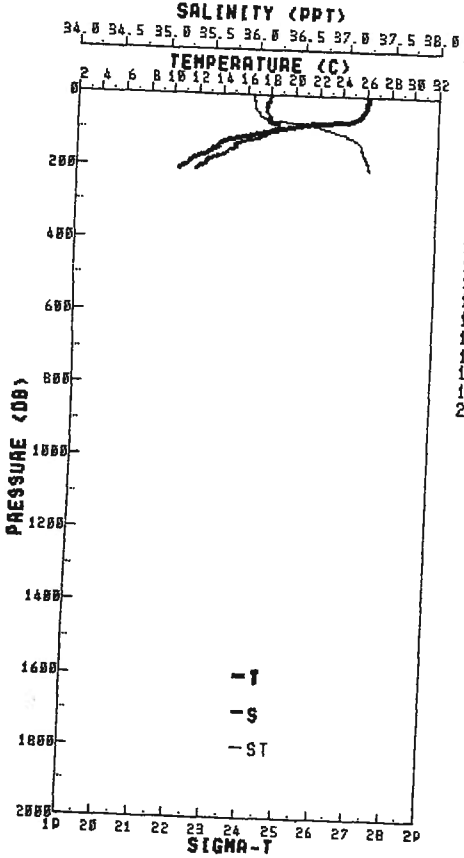


PRES	U	V
0	-1.2	261.2
10	-1.2	261.2
20	-1.5	255.0
30	-3.9	240.5
40	3.3	229.1
50	4.2	228.5
60	3.4	219.8
70	13.9	181.0
80	21.8	153.7
90	18.1	142.1
100	17.5	140.1
110	17.4	115.8
120	19.8	98.3
130	14.7	55.2
140	13.6	58.1
150	7.9	32.7
160	3.3	12.1
170	3.7	19.1
180	6.3	12.5
190	8.3	14.7
200	9.8	15.8
220	4.9	4.5
240	6.7	2.3

APPENDIX B: CTD DATA

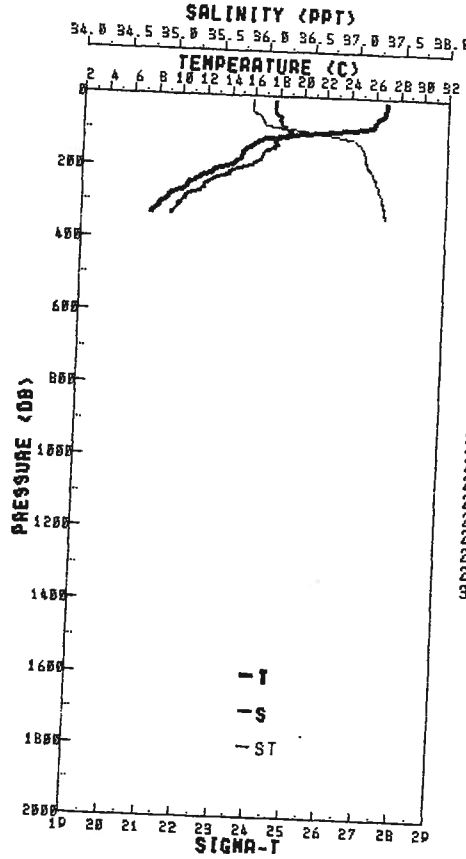
Casts are presented by cruise and increasing cast number. Julian day and time, cruise number and vessel, and position are given at the top of each plot. Temperature (T), salinity (S) and sigma-t (ST) profiles are shown for each cast.

CTD 1 DATE 11 30 83 TIME 1618Z
RES-STACS12-83 R/V RESEARCHER
LATITUDE 26.983 N LONGITUDE 79.875 W



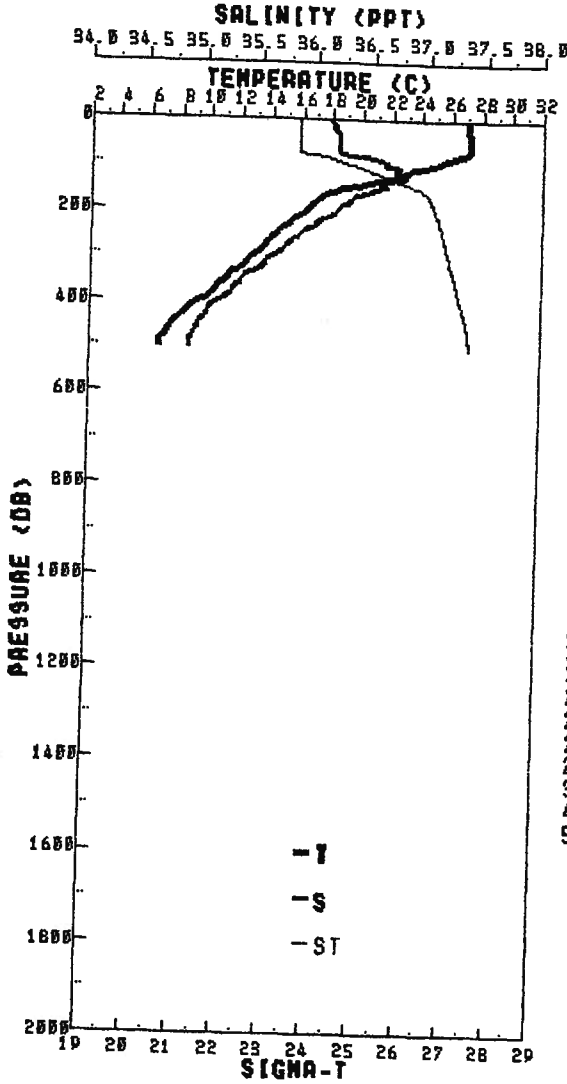
PRES	TEM	SAL	SIGT
0	26.12	36.14	23.88
10	26.14	36.14	23.87
20	26.05	36.12	23.88
30	25.97	36.10	23.89
40	25.84	36.10	23.93
50	25.57	36.09	24.01
60	25.49	36.13	24.06
70	24.86	36.14	24.27
80	20.96	36.23	25.46
110	16.39	36.08	26.50
120	15.54	36.00	26.64
130	14.28	35.83	26.79
140	13.68	35.76	26.86
150	13.39	35.72	26.89
160	12.93	35.65	26.93
170	12.16	35.54	27.00
180	11.55	35.45	27.04
190	11.31	35.43	27.07
200	10.81	35.33	27.08

CTD 2 DATE 11 30 83 TIME 1951Z
RES-STACS12-83 R/V RESEARCHER
LATITUDE 27.032 N LONGITUDE 79.803 W



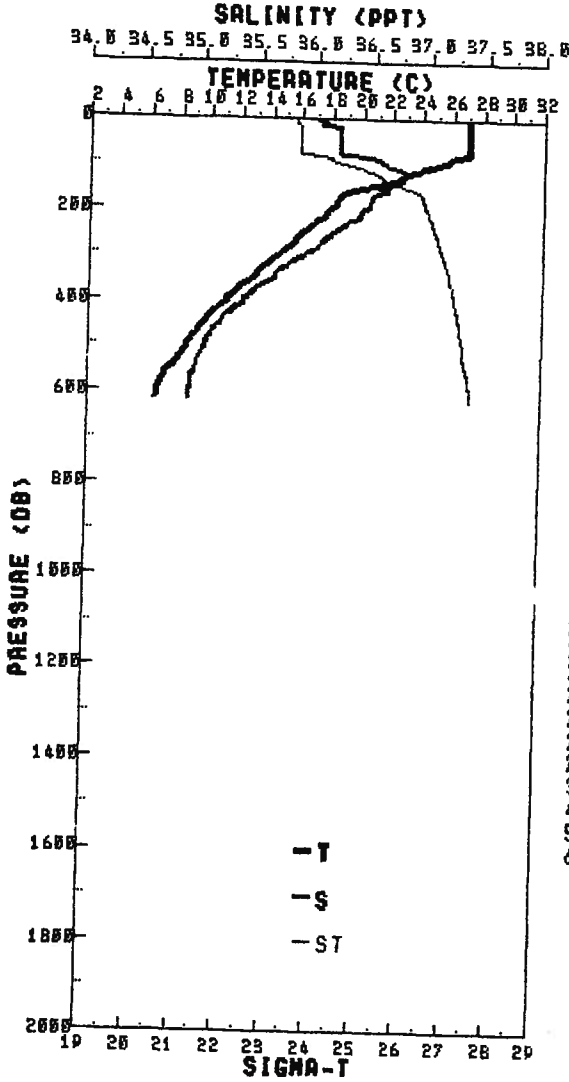
PRES	TEM	SAL	SIGT
20	26.85	36.10	23.61
30	26.85	36.10	23.61
40	26.84	36.10	23.62
50	26.70	36.11	23.67
60	26.27	36.16	23.84
70	26.04	36.16	23.92
80	25.83	36.19	24.00
90	24.48	36.23	24.45
100	21.54	36.28	25.34
110	18.65	36.23	26.07
120	16.75	36.11	26.45
130	16.25	36.12	26.57
140	15.81	36.09	26.65
150	15.30	36.02	26.71
160	15.04	35.98	26.73
170	14.94	35.96	26.74
180	14.59	35.91	26.78
190	14.42	35.88	26.79
200	13.54	35.74	26.87
210	12.68	35.61	26.95
220	12.16	35.55	27.00
230	11.57	35.45	27.04
240	11.10	35.38	27.07
250	10.60	35.33	27.12
260	10.34	35.30	27.15
270	9.62	35.20	27.19
280	9.05	35.13	27.23
290	8.99	35.12	27.24
300	8.45	35.06	27.28

CTD 3 DATE 12 01 83 TIME 0003Z
RES-STACS12-83 R/V RESEARCHER
LATITUDE 26.998 N LONGITUDE 79.693 W



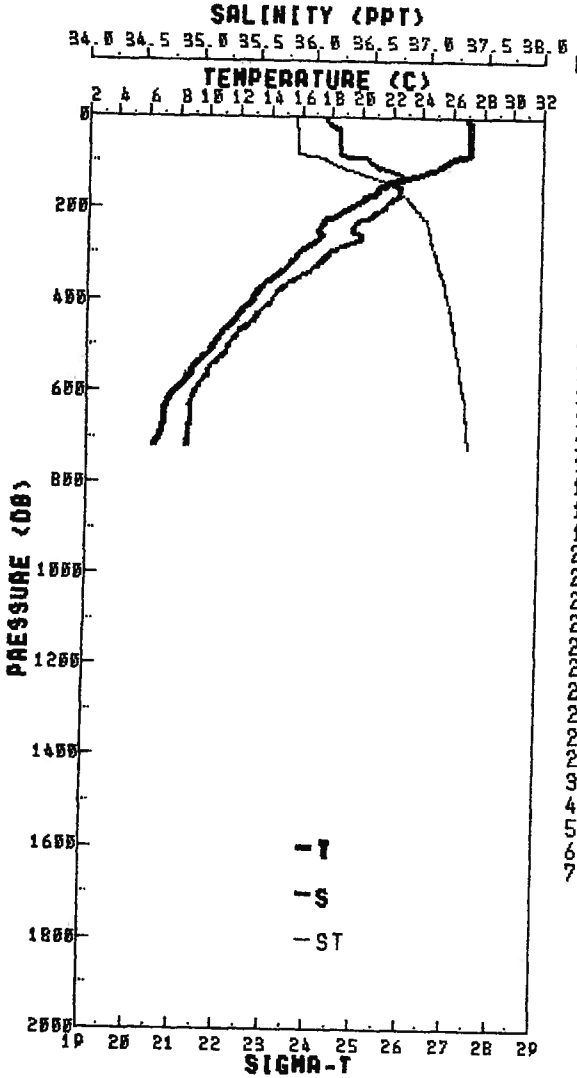
PRES	TEM	SAL	SIGT
0	27.00	36.13	23.59
10	27.01	36.14	23.59
20	27.03	36.15	23.59
30	27.10	36.19	23.61
40	27.11	36.20	23.61
50	27.09	36.20	23.61
60	27.08	36.20	23.61
70	27.08	36.19	23.61
80	26.21	36.48	24.10
90	25.37	36.59	24.45
100	24.53	36.71	24.79
110	23.23	36.72	25.19
120	22.75	36.77	25.37
130	21.59	36.71	25.65
140	20.20	36.56	25.92
150	18.92	36.53	26.22
160	17.91	36.41	26.39
170	17.31	36.34	26.48
180	16.94	36.28	26.53
190	16.55	36.22	26.58
200	16.27	36.18	26.61
210	15.74	36.10	26.67
220	15.32	36.02	26.70
230	15.17	35.99	26.72
240	14.60	35.91	26.78
250	14.36	35.86	26.79
260	14.03	35.81	26.82
270	13.68	35.76	26.86
280	13.52	35.73	26.87
290	13.17	35.67	26.90
300	12.70	35.59	26.93
400	9.16	35.12	27.21
500	6.58	34.89	27.41

CTD 4 DATE 12 01 83 TIME 0135Z
RES-STACS12-83 R/V RESEARCHER
LATITUDE 26.965 N LONGITUDE 79.613 W



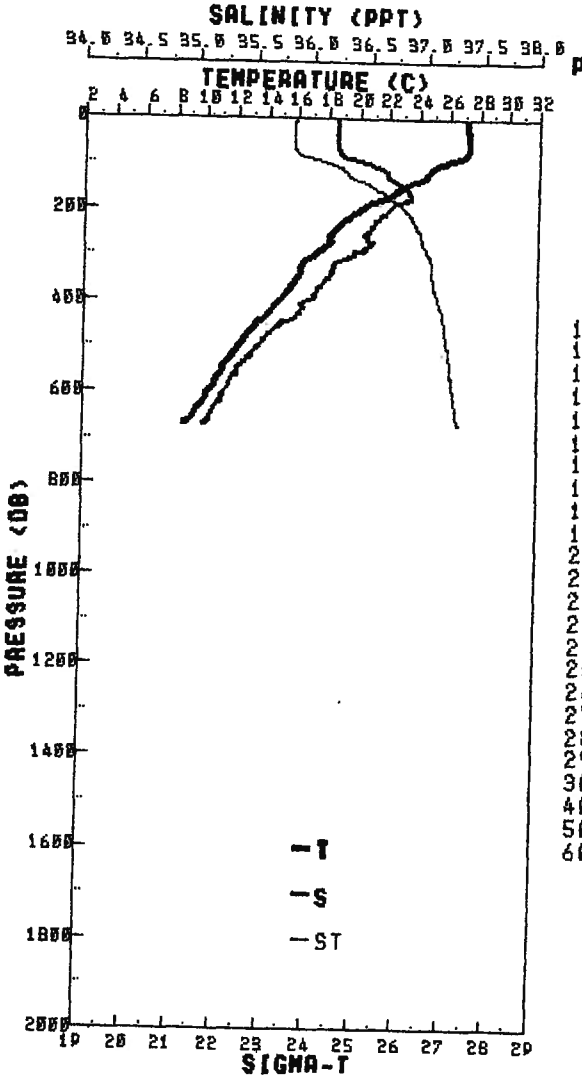
PRES	TEM	SAL	SIGT
0	27.00	35.99	23.49
10	27.00	36.07	23.55
20	27.08	36.20	23.62
30	27.08	36.20	23.62
40	27.08	36.20	23.62
50	27.08	36.20	23.62
60	27.08	36.20	23.62
70	27.08	36.20	23.62
80	26.34	36.41	24.01
90	25.76	36.56	24.30
100	24.88	36.60	24.61
110	23.91	36.75	25.01
120	23.18	36.79	25.26
130	22.43	36.76	25.45
140	21.58	36.69	25.64
150	20.38	36.59	25.89
160	19.42	36.59	26.14
170	18.52	36.49	26.30
180	18.33	36.48	26.34
190	18.27	36.48	26.35
200	17.80	36.41	26.42
210	17.58	36.38	26.45
220	17.25	36.34	26.50
230	16.86	36.27	26.54
240	16.47	36.21	26.58
250	16.06	36.14	26.63
260	15.78	36.09	26.66
270	15.52	36.06	26.69
280	15.31	36.02	26.71
290	14.85	35.95	26.75
300	14.50	35.89	26.78
400	11.15	35.37	27.05
500	8.49	35.02	27.24
600	6.51	34.90	27.42

CTD 5 DATE 12 01 83 TIME 0422Z
RES-STACS12-83 R/V RESEARCHER
LATITUDE 26.980 N LONGITUDE 79.517 W



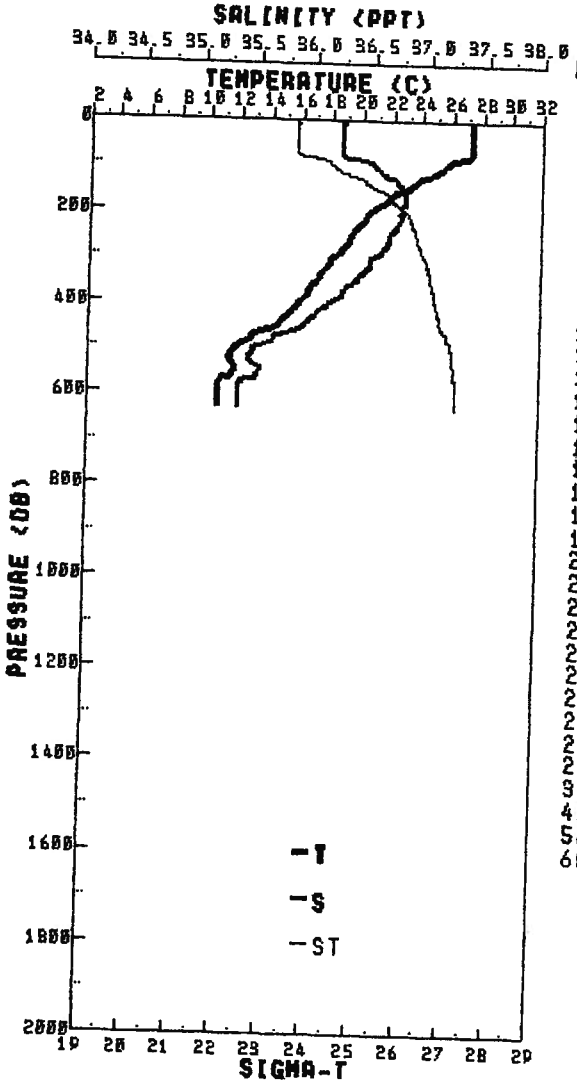
PRES	TEM	SAL	SIGT
0	27.03	36.10	23.56
10	27.08	36.09	23.54
20	27.14	36.15	23.56
30	27.18	36.21	23.59
40	27.18	36.21	23.59
50	27.17	36.21	23.59
60	27.17	36.21	23.59
70	27.17	36.21	23.59
80	27.16	36.21	23.60
90	26.08	36.44	24.12
100	25.55	36.51	24.33
110	25.00	36.61	24.58
120	24.34	36.69	24.84
130	23.41	36.78	25.18
140	22.09	36.69	25.50
150	21.54	36.76	25.70
160	21.13	36.75	25.81
170	20.89	36.74	25.87
180	20.12	36.67	26.02
190	19.73	36.64	26.10
200	19.24	36.59	26.19
210	18.73	36.52	26.27
220	18.08	36.45	26.38
230	17.60	36.38	26.44
240	17.41	36.35	26.47
250	17.20	36.33	26.51
260	17.40	36.42	26.53
270	17.18	36.37	26.54
280	16.73	36.27	26.57
290	16.20	36.16	26.61
300	15.91	36.11	26.64
400	12.96	35.63	26.91
500	10.32	35.25	27.11
600	7.79	34.96	27.29
700	6.82	34.90	27.39

CTD 6 DATE 12 01 83 TIME 0836Z
RES-STACS12-83 R/V RESEARCHER
LATITUDE 26.995 N LONGITUDE 79.373 W



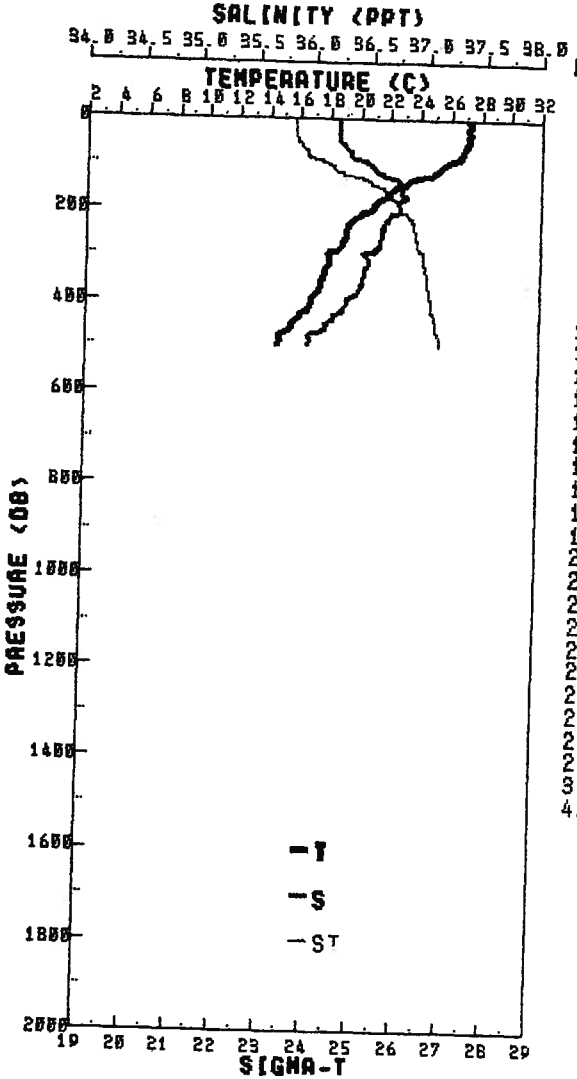
PRES	TEM	SAL	SIGT
0	27.19	36.22	23.60
10	27.22	36.22	23.59
20	27.23	36.22	23.59
30	27.24	36.22	23.58
40	27.24	36.22	23.58
50	27.24	36.22	23.58
60	27.24	36.22	23.58
70	27.24	36.23	23.59
80	27.01	36.25	23.68
90	26.35	36.38	23.98
100	25.51	36.51	24.35
110	24.87	36.62	24.63
120	24.55	36.67	24.76
130	24.42	36.66	24.79
140	23.45	36.77	25.16
150	22.94	36.81	25.34
160	22.56	36.85	25.48
170	22.10	36.86	25.62
180	21.41	36.80	25.77
190	20.61	36.72	25.93
200	20.16	36.68	26.01
210	19.66	36.63	26.11
220	19.39	36.60	26.16
230	18.94	36.56	26.24
240	18.69	36.53	26.29
250	18.28	36.48	26.35
260	18.17	36.48	26.38
270	18.24	36.53	26.40
280	17.86	36.48	26.45
290	17.50	36.42	26.50
300	17.16	36.36	26.54
400	14.77	35.94	26.76
500	12.19	35.53	26.98
600	10.18	35.23	27.12

CTD 7 DATE 12 01 83 TIME 1206Z
RES-STACS12-83 R/V RESEARCHER
LATITUDE 26.988 N LONGITUDE 79.293 W



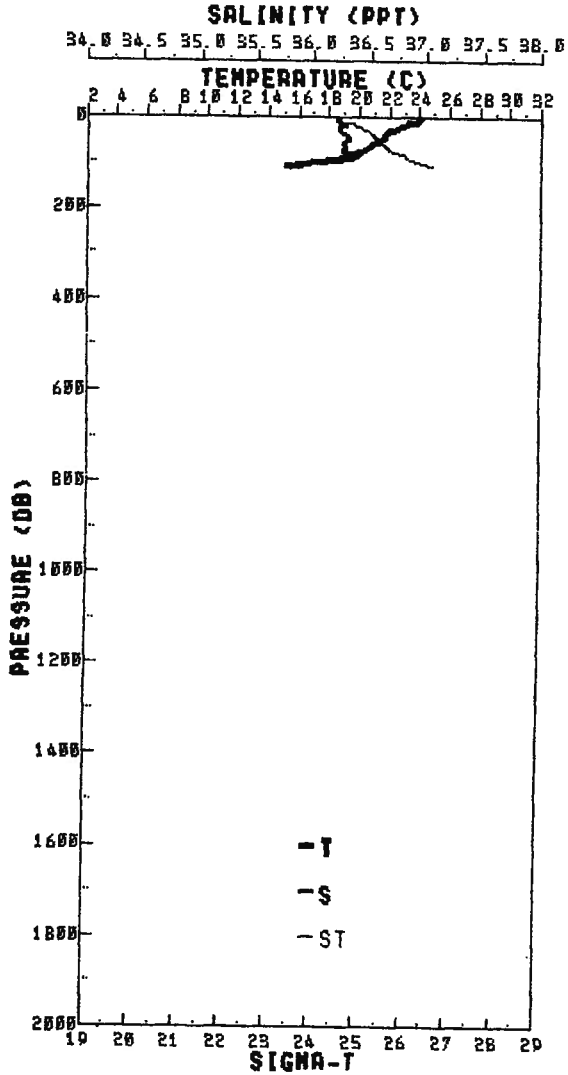
PRES	TEM	SAL	SIGT
0	27.32	36.24	23.57
10	27.26	36.22	23.58
20	27.27	36.22	23.58
30	27.27	36.22	23.57
40	27.27	36.22	23.57
50	27.28	36.22	23.57
60	27.28	36.22	23.57
70	27.28	36.22	23.57
80	27.03	36.26	23.68
90	25.82	36.47	24.22
100	25.43	36.52	24.38
110	25.10	36.58	24.52
120	24.64	36.62	24.69
130	23.86	36.71	25.00
140	23.61	36.73	25.09
150	23.10	36.76	25.26
160	22.14	36.79	25.56
170	21.89	36.78	25.62
180	21.62	36.80	25.71
190	21.11	36.75	25.81
200	20.61	36.77	25.96
210	20.35	36.76	26.03
220	20.21	36.75	26.06
230	19.94	36.73	26.11
240	19.60	36.69	26.17
250	19.42	36.66	26.20
260	19.28	36.65	26.23
270	19.16	36.64	26.25
280	18.82	36.61	26.31
290	18.71	36.58	26.32
300	18.13	36.49	26.40
400	15.94	36.13	26.64
500	11.78	35.46	27.00
600	10.67	35.35	27.12

CTD 8 DATE 12 01 83 TIME 1432Z
RES-STACS12-83 R/V RESEARCHER
LATITUDE 26.940 N LONGITUDE 79.198 W



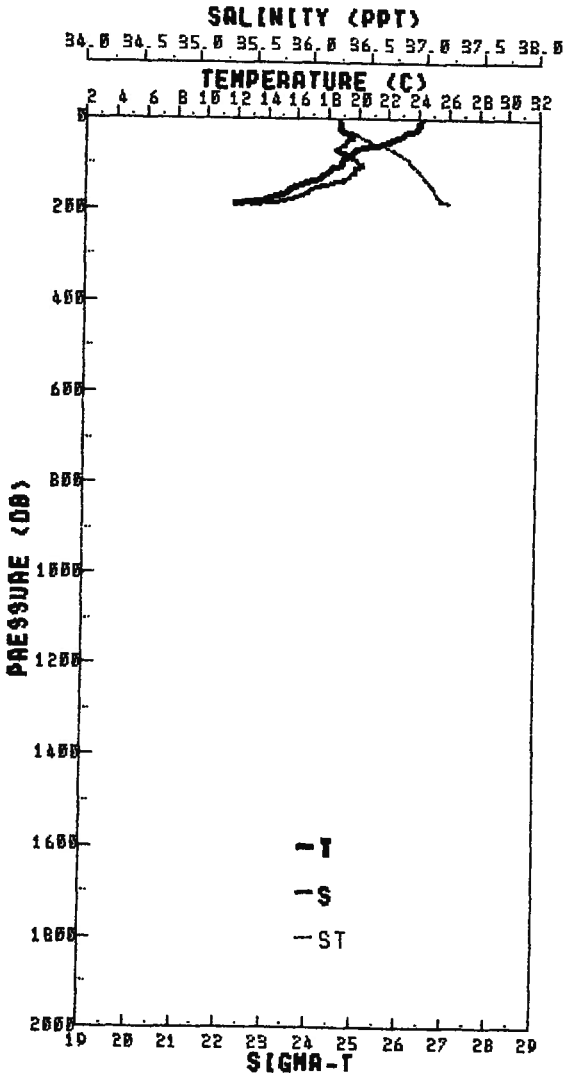
PRES	TEM	SAL	SIGT
0	27.22	36.22	23.58
10	27.23	36.21	23.58
20	27.23	36.21	23.58
30	27.23	36.22	23.58
40	27.20	36.21	23.59
50	27.16	36.22	23.61
60	26.98	36.27	23.70
70	26.77	36.31	23.80
80	26.70	36.32	23.83
90	26.20	36.46	24.09
100	25.49	36.51	24.35
110	25.26	36.54	24.45
120	24.82	36.60	24.63
130	23.71	36.72	25.05
140	23.14	36.76	25.25
150	22.38	36.78	25.48
160	22.05	36.78	25.58
170	21.82	36.83	25.68
180	21.23	36.75	25.78
190	20.99	36.75	25.85
200	20.83	36.77	25.91
210	20.06	36.68	26.05
220	19.61	36.65	26.14
230	19.39	36.63	26.19
240	19.21	36.62	26.22
250	19.15	36.61	26.23
260	19.09	36.60	26.24
270	18.95	36.59	26.27
280	18.78	36.57	26.29
290	18.35	36.51	26.36
300	18.01	36.47	26.41
400	16.87	36.31	26.57

CTD 1 DATE 03 16 84 TIME 1725Z
RES-STACS14-84 R/V RESEARCHER
LATITUDE 27.029 N LONGITUDE 79.946 W



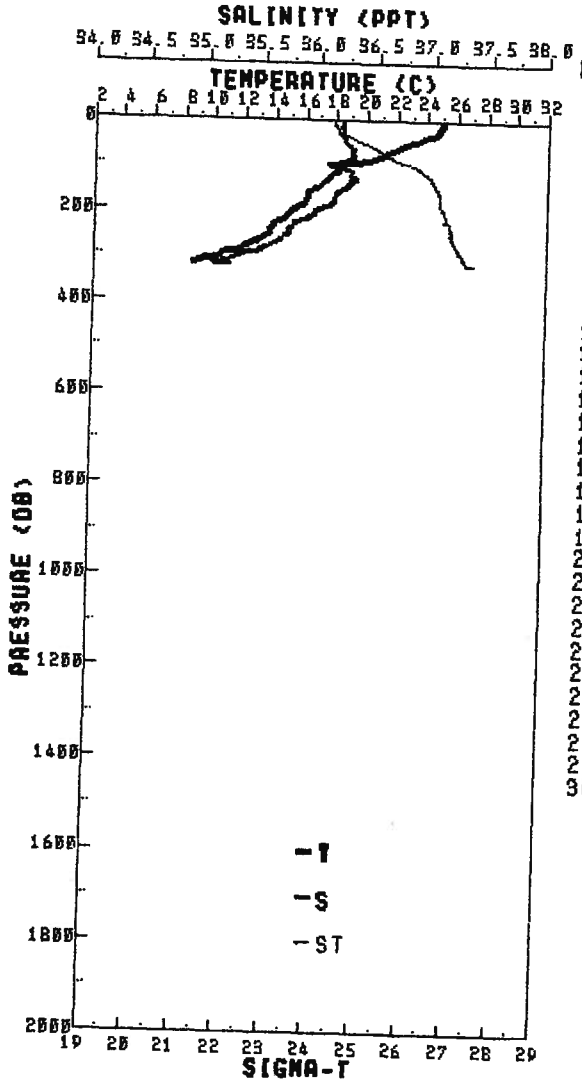
PRES	TEM	SAL	SIGT
0	24.08	36.22	24.56
10	23.97	36.22	24.59
20	23.13	36.24	24.85
30	22.28	36.22	25.09
40	21.71	36.30	25.31
50	21.49	36.29	25.36
60	20.85	36.26	25.51
70	20.45	36.27	25.63
80	19.69	36.33	25.88
90	19.16	36.36	26.03
100	17.08	35.94	26.24

CTD 2 DATE 03 16 84 TIME 1955Z
RES-STACS14-84 R/V RESEARCHER
LATITUDE 27.052 N LONGITUDE 79.892 W



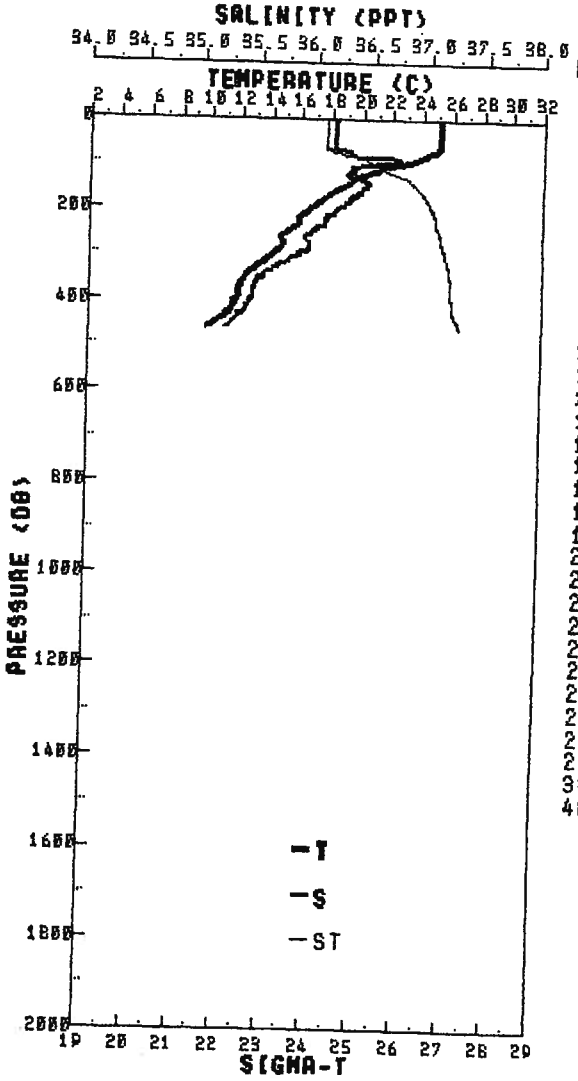
PRES	TEM	SAL	SIGT
0	24.14	36.24	24.56
10	23.96	36.24	24.61
20	23.92	36.24	24.62
30	23.59	36.26	24.74
40	22.83	36.35	25.03
50	22.06	36.31	25.21
60	21.15	36.26	25.43
70	19.76	36.22	25.77
80	19.51	36.33	25.92
90	18.97	36.37	26.09
100	18.89	36.43	26.16
110	18.23	36.37	26.28
120	17.97	36.37	26.34
130	17.60	36.31	26.39
140	16.63	36.19	26.53
150	15.84	36.05	26.61
160	15.32	35.97	26.67
170	14.65	35.85	26.73
180	13.74	35.74	26.83
190	11.74	35.45	27.01

CTD 3 DATE 03 16 84 TIME 2345Z
RES-STACS14-84 R/V RESEARCHER
LATITUDE 27.037 N LONGITUDE 79.820 W



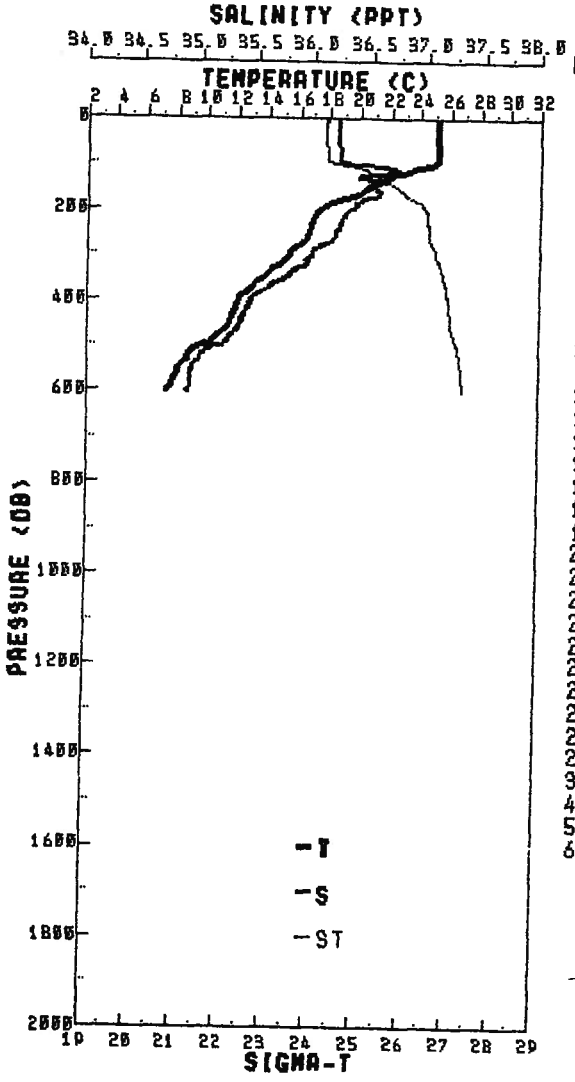
PRES	TEM	SAL	SIGT
0	24.99	36.20	24.27
10	24.96	36.19	24.28
20	24.78	36.19	24.33
30	24.58	36.18	24.38
40	23.67	36.21	24.68
50	23.08	36.22	24.85
60	22.30	36.27	25.12
70	21.63	36.28	25.31
80	21.03	36.27	25.47
90	20.30	36.25	25.65
100	18.30	36.13	26.08
110	18.12	36.26	26.22
120	17.77	36.27	26.32
130	17.58	36.31	26.39
140	17.08	36.26	26.48
150	16.66	36.20	26.53
160	16.22	36.15	26.59
170	16.14	36.14	26.61
180	16.03	36.12	26.62
190	15.79	36.05	26.62
200	15.10	35.96	26.70
210	14.82	35.90	26.73
220	14.39	35.76	26.71
230	13.90	35.77	26.82
240	13.62	35.73	26.85
250	13.57	35.72	26.85
260	13.19	35.67	26.89
270	12.69	35.61	26.94
280	11.87	35.50	27.02
290	10.99	35.37	27.08
300	10.26	35.27	27.13

CTD 4 DATE 03 17 84 TIME 0300Z
RES-STACS14-84 R/V RESEARCHER
LATITUDE 27.055 N LONGITUDE 79.685 W



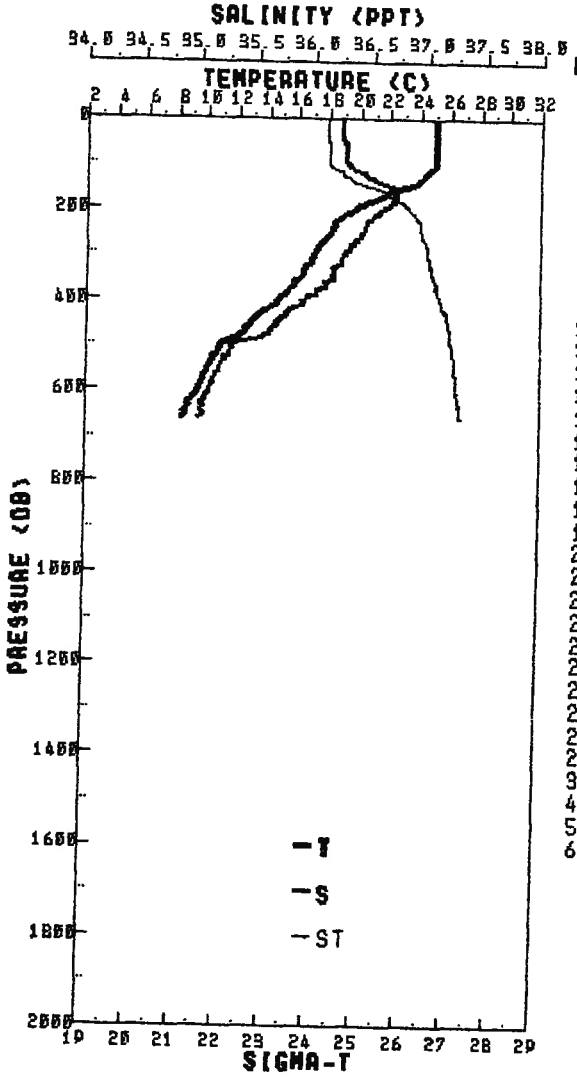
PRES	TEM	SAL	SIGT
0	25.12	36.18	24.21
10	25.14	36.17	24.21
20	25.14	36.17	24.21
30	25.14	36.17	24.20
40	25.14	36.17	24.20
50	25.15	36.17	24.20
60	25.15	36.17	24.20
70	25.01	36.31	24.35
80	24.23	36.36	24.63
90	23.66	36.74	25.08
100	22.41	36.46	25.23
110	21.19	36.32	25.47
120	20.50	36.27	25.62
130	19.48	36.35	25.95
140	19.29	36.47	26.09
150	18.79	36.44	26.20
160	18.29	36.40	26.29
170	17.77	36.35	26.38
180	17.41	36.31	26.44
190	17.05	36.27	26.49
200	16.51	36.19	26.56
210	16.12	36.11	26.59
220	15.87	36.09	26.63
230	15.80	36.08	26.64
240	15.45	36.02	26.68
250	15.06	35.96	26.71
260	14.71	35.91	26.75
270	14.80	35.94	26.76
280	14.72	35.95	26.78
290	14.42	35.90	26.81
300	14.15	35.85	26.83
400	11.69	35.42	26.99

CTD 5 DATE 03 17 84 TIME 0631Z
RES-STACS14-84 R/V RESEARCHER
LATITUDE 27.077 N LONGITUDE 79.624 W



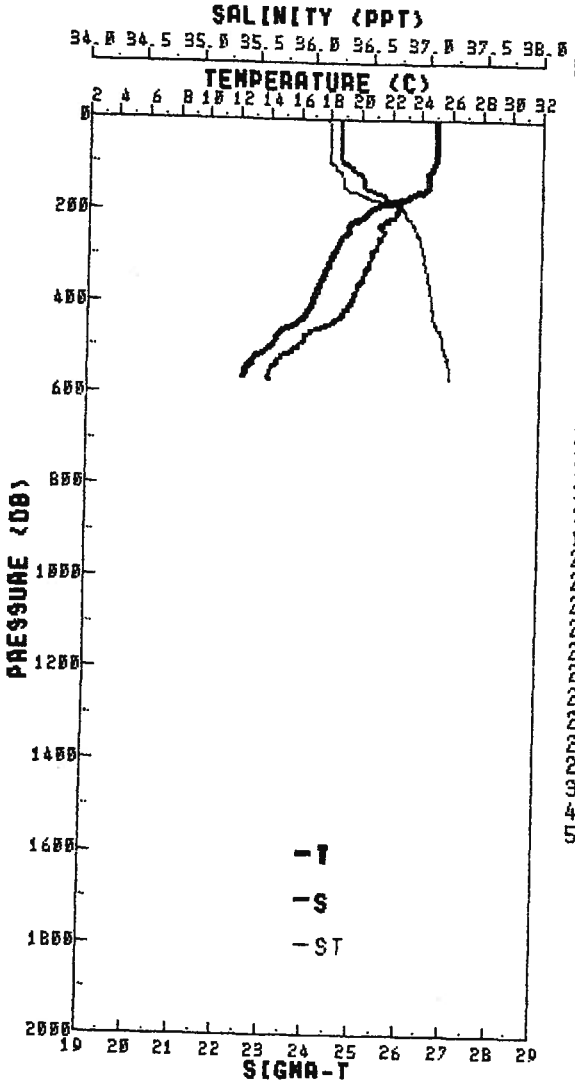
PRES	TEM	SAL	SIGT
0	25.06	36.21	24.26
10	25.06	36.21	24.26
20	25.06	36.21	24.26
30	25.06	36.21	24.26
40	25.07	36.21	24.26
50	25.07	36.21	24.25
60	25.08	36.22	24.26
70	25.07	36.23	24.27
80	25.07	36.23	24.27
90	25.07	36.23	24.27
100	24.83	36.47	24.52
110	23.62	36.73	25.09
120	22.83	36.60	25.22
130	21.54	36.38	25.41
140	21.29	36.55	25.61
150	20.67	36.53	25.77
160	20.21	36.58	25.93
170	19.62	36.51	26.04
180	18.63	36.41	26.21
190	17.97	36.38	26.35
200	17.40	36.31	26.44
210	17.17	36.28	26.47
220	17.00	36.26	26.50
230	16.94	36.24	26.50
240	16.83	36.22	26.51
250	16.68	36.20	26.53
260	16.60	36.19	26.54
270	16.46	36.16	26.55
280	15.90	36.06	26.60
290	15.52	36.01	26.65
300	15.40	35.99	26.66
400	12.07	35.46	26.95
500	9.58	35.15	27.16
600	7.36	34.89	27.30

CTD 6 DATE 03 17 84 TIME 1034Z
RES-STACS14-84 R/V RESEARCHER
LATITUDE 27.073 N LONGITUDE 79.490 W



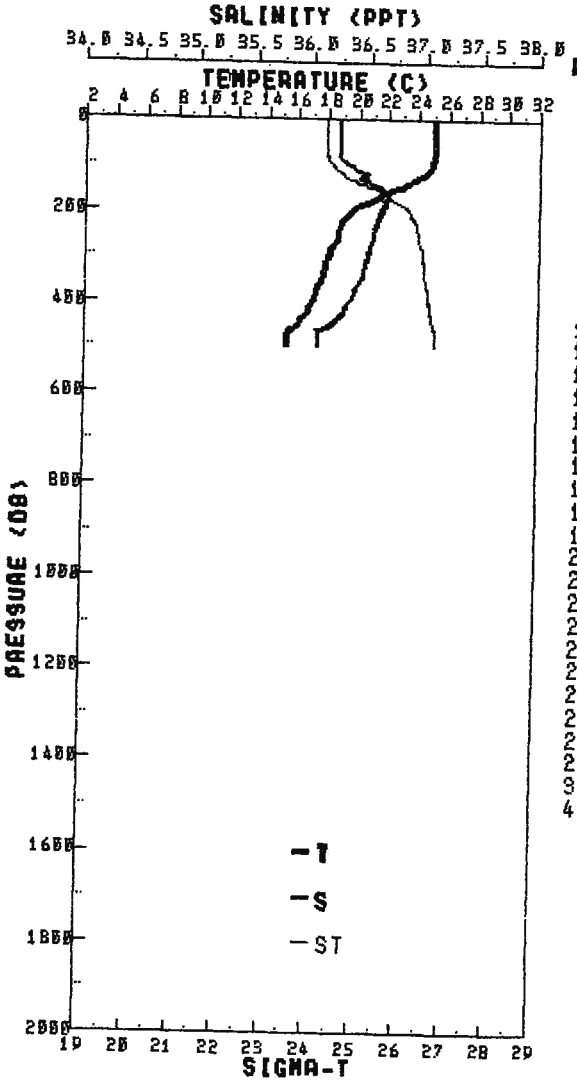
PRES	TEM	SAL	SIGT
0	25.03	36.26	24.30
10	25.03	36.26	24.30
20	25.03	36.26	24.30
30	25.03	36.26	24.30
40	25.03	36.26	24.30
50	25.06	36.27	24.31
60	25.05	36.28	24.32
70	25.05	36.28	24.32
80	25.05	36.29	24.32
90	25.04	36.29	24.32
100	25.03	36.32	24.35
110	24.77	36.36	24.45
120	24.41	36.46	24.64
130	24.21	36.53	24.75
140	23.90	36.60	24.90
150	22.94	36.72	25.27
160	22.07	36.72	25.52
170	21.57	36.72	25.66
180	20.88	36.70	25.84
190	20.26	36.67	25.98
200	19.79	36.60	26.05
210	19.12	36.54	26.18
220	18.76	36.51	26.25
230	18.38	36.46	26.32
240	18.27	36.46	26.34
250	18.18	36.44	26.35
260	17.96	36.42	26.38
270	17.62	36.36	26.43
280	17.33	36.32	26.46
290	17.15	36.30	26.49
300	17.01	36.28	26.51
400	14.70	35.92	26.77
500	10.81	35.29	27.05
600	9.39	35.10	27.15

CTD 8 DATE 03 17 84 TIME 1710Z
RES-STACS14-84 R/V RESEARCHER
LATITUDE 27.027 N LONGITUDE 79.289 W



PRES	TEM	SAL	SIGT
0	25.01	36.22	24.28
10	24.95	36.22	24.30
20	24.95	36.22	24.30
30	24.95	36.22	24.30
40	24.95	36.22	24.30
50	24.95	36.22	24.30
60	24.95	36.22	24.30
70	24.95	36.22	24.30
80	24.95	36.23	24.30
90	24.93	36.24	24.32
100	24.83	36.29	24.39
110	24.68	36.34	24.47
120	24.49	36.41	24.58
130	24.41	36.44	24.63
140	24.41	36.44	24.63
150	24.39	36.47	24.65
160	23.84	36.57	24.90
170	23.23	36.63	25.12
180	22.28	36.74	25.48
190	21.10	36.76	25.82
200	20.58	36.73	25.94
210	20.36	36.72	25.99
220	19.81	36.65	26.08
230	19.32	36.60	26.18
240	19.18	36.59	26.21
250	19.13	36.61	26.24
260	18.77	36.58	26.30
270	18.63	36.56	26.33
280	18.49	36.55	26.35
290	18.29	36.51	26.37
300	18.15	36.50	26.40
400	16.90	36.33	26.57
500	14.03	35.85	26.85

CTD 9 DATE 03 17 84 TIME 2005Z
RES-STACS14-84 R/V RESEARCHER
LATITUDE 27.016 N LONGITUDE 79.212 W



PRES	TEM	SAL	SIGT
0	25.04	36.23	24.28
10	24.99	36.23	24.29
20	24.97	36.23	24.30
30	24.97	36.23	24.30
40	24.97	36.23	24.30
50	24.96	36.23	24.30
60	24.96	36.23	24.30
70	24.96	36.23	24.30
80	24.95	36.23	24.31
90	24.94	36.27	24.34
100	24.83	36.35	24.44
110	24.74	36.39	24.49
120	24.48	36.49	24.64
130	23.92	36.40	24.75
140	23.37	36.50	24.98
150	22.75	36.57	25.21
160	21.98	36.64	25.49
170	21.39	36.67	25.68
180	20.76	36.62	25.81
190	20.15	36.63	25.98
200	19.63	36.62	26.11
210	19.32	36.60	26.18
220	19.02	36.57	26.23
230	18.89	36.57	26.27
240	18.73	36.55	26.29
250	18.62	36.55	26.32
260	18.61	36.55	26.32
270	18.44	36.51	26.34
280	18.24	36.50	26.38
290	18.13	36.50	26.40
300	18.06	36.49	26.42
400	16.97	36.33	26.55

APPENDIX C: XBT DATA

Casts are presented by cruise and increasing cast number. Isotherm depths in meters are listed at temperatures ranging from 27 to 6 degrees Centigrade.

ISOTHERM DEPTHS (M)

R/V RESEARCHER RES-STACS12-83

XBT NO.	1	2	3	4	5	6	7
YEAR	83	83	83	83	83	83	83
MONTH	12	12	12	12	12	12	12
DAY (GMT)	1	1	1	1	1	1	1
TIME (GMT)	1524	1624	1636	1830	2005	2019	2036
LAT (N)	27.00	27.00	27.00	27.00	27.20	27.00	26.98
LON (W)	79.20	79.25	79.28	79.35	79.40	79.43	79.50
SURF T (C)	27.4	27.1	27.3	27.2	27.2	27.1	27.4
29							
28							
27	50	61	84	79	81	81	82
26	94	94	95	96	95	93	93
25	111	105	107	114	108	106	109
24	121	114	120	128	119	117	123
23	132	134	134	142	134	128	136
22	149	155	149	153	148	142	148
21	188	184	179	170	165	158	161
20	205	202	202	194	187	177	178
19	245	236	246	231	206	197	196
18	289	286	288	266	243	225	216
17	355	355	345	303	271	257	246
16	399	403	379	333	314	291	285
15	438	438	399	370	338	325	312
14		438	433	416	371	356	343
13		470	464	434	414	383	376
12		530	496	470	453	422	411
11			569	519	506	459	440
10				622	558	514	490
9					607	576	537
8					644	626	586
7						689	664
6							

ISOTHERM DEPTHS (M)

R/V RESEARCHER RES-STACS12-83

XBT NO.	8	9	10	11	12	13	14
YEAR	83	83	83	83	83	83	83
MONTH	12	12	12	12	12	12	12
DAY (GMT)	1	1	2	2	2	2	2
TIME (GMT)	2224	2240	0014	0031	0225	0256	0348
LAT (N)	27.00	26.98	27.00	26.98	26.98	26.98	27.00
LON (W)	79.55	79.60	79.65	79.68	79.73	79.78	79.83
SURF T (C)	27.2	27.1	27.1	27.3	27.3	27.1	26.9
29							
28							
27	73	75	64	55	57	40	
26	91	93	100	87	81	71	60
25	107	107	107	99	101	92	81
24	120	121	119	111	106	97	85
23	131	132	120	122	111	101	88
22	142	142	136	131	115	105	92
21	151	152	144	138	119	108	95
20	161	163	153	144	123	113	98
19	177	174	164	149	128	118	102
18	202	189	174	156	134	122	106
17	232	207	183	164	143	126	111
16	258	232	195	171	152	131	125
15	279	255	214	182	161	142	139
14	307	283	238	205	175	156	151
13	343	312	265	230	194	172	163
12	368	337	290	259	218	192	180
11	395	377	344	289	246	237	199
10	442	415	391	349	291	254	218
9	482	452	444	392	342	287	255
8	536	498	465	424	375	319	266
7	616	568	497	447	406		
6							

ISOTHERM DEPTHS (M)

R/V RESEARCHER RES-STACS12-83

XBT NO.	15	16	17	18	19	20	21
YEAR	83	83	83	83	83	83	83
MONTH	12	12	12	12	12	12	12
DAY (GMT)	2	2	2	2	2	5	5
TIME (GMT)	0417	0503	0531	1317	1503	0700	0805
LAT (N)	27.00	27.00	27.00	26.98	27.00	27.00	27.20
LON (W)	79.87	79.90	79.93	79.80	79.93	79.93	79.90
SURF T (C)	27.0	26.8	26.7	27.2	26.6	26.7	26.1
29							
28							
27				52			
26	60	51	51	84	39	34	32
25	71	67	61	93	53	43	50
24	74	72	63	98	57	48	54
23	78	75	66	102	61	51	57
22	81	78	69	106	64	54	61
21	86	82	73	109	67	57	64
20	90	86	76	114	71	60	68
19	94	91	80	120	74	63	71
18	99	97	85	127	78	65	74
17	111	102	89	134	83	68	78
16	120	107	96	141	91	71	83
15	129	114	107	149	105	77	88
14	137	127		180		84	98
13	152	141		195		96	121
12	167	154		211		110	140
11	185			233			161
10	204			254			174
9				269			
8				288			
7				336			
6							

ISOTHERM DEPTHS (M)

R/V RESEARCHER RES-STACS12-83

XBT NO.	22	23	24	25	26	27	28
YEAR	83	83	83	83	83	83	83
MONTH	12	12	12	12	12	12	12
DAY (GMT)	5	5	5	5	5	5	5
TIME (GMT)	0911	0930	0952	1109	1246	1320	1435
LAT (N)	27.20	27.00	27.20	27.00	27.00	26.98	27.20
LON (W)	79.85	79.80	79.73	79.70	79.65	79.62	79.60
SURF T (C)	26.8	26.8	27.0	27.1	27.2	27.3	27.4
29							
28							
27			41	44	60	55	63
26	35	47	54	61	76	71	79
25	47	60	72	76	90	85	92
24	61	71	81	89	100	99	105
23	67	78	91	101	109	112	118
22	75	86	99	113	123	124	129
21	84	102	115	125	136	134	140
20	95	115	129	137	148	148	157
19	102	125	143	151	167	166	175
18	109	135	169	174	192	195	207
17	115	140	193	207	228	234	238
16	123	163	210	245	268	272	268
15	133	177	234	278	302	307	332
14	145	198	253	293	324	343	356
13	161	213	273	313	347	357	368
12	176	223	287	323	357	370	380
11	190	234	298	333	368	387	410
10	209	248	316	354	395	420	446
9	238	278	352	396	444	462	495
8	253	314	373	445	483	523	555
7			401	463	512	569	612
6							

ISOTHERM DEPTHS (M)

R/V RESEARCHER RES-STACS12-83

XBT NO.	29	30	31	32	33	34	35
YEAR	83	83	83	83	83	83	83
MONTH	12	12	12	12	12	12	12
DAY (GMT)	5	5	5	5	5	5	5
TIME (GMT)	1450	1529	1656	1714	1852	1907	2043
LAT (N)	27.00	27.00	27.20	26.90	27.20	27.00	27.00
LON (W)	79.55	79.50	79.43	79.30	79.35	79.30	79.23
SURF T (C)	27.5	27.3	27.5	27.5	27.6	27.4	27.4
29							
28							
27	76	73	82	93	90	81	49
26	93	89	96	106	102	108	98
25	107	102	108	117	119	118	109
24	117	115	120	131	131	127	141
23	126	126	130	142	142	142	153
22	134	137	140	155	152	156	161
21	147	150	162	168	166	174	169
20	164	166	174	193	189	199	179
19	187	186	195	217	218	230	195
18	219	214	242	276	263	265	297
17	248	261	293	337	308	330	336
16	325	309	332	369	378	395	364
15	358	340	367	402	412	446	414
14	381	363	396	440	455	464	457
13	397	397	423	467	500	479	503
12	421	436	460	503	536	506	
11	440	467	497	528	556	559	
10	497	519	576				
9	539	569	652				
8	600	626					
7	649	674					
6							

ISOTHERM DEPTHS (M)

R/V RESEARCHER RES-STACS12-83

XBT NO.	36	37	38	39	40	41	42
YEAR	83	83	83	83	83	83	83
MONTH	12	12	12	12	12	12	12
DAY (GMT)	5	8	8	8	8	8	8
TIME (GMT)	2050	0322	0327	0423	0513	0648	0702
LAT (N)	27.00	27.00	27.00	27.20	27.00	27.20	27.20
LON (W)	79.20	79.22	79.25	79.30	79.35	79.40	79.45
SURF T (C)	27.3	26.8	26.8	27.0	26.8	26.9	26.9
29							
28							
27	71						
26	101	99	99	96	87	86	92
25	117	117	120	111	119	107	103
24	131	131	130	127	132	118	110
23	150	147	149	140	149	151	140
22	163	166	161	161	177	180	163
21	173	191	183	179	191	192	181
20	182	192	207	196	202	203	198
19	210	236	240	216	216	215	215
18	314	271	266	250	230	235	240
17	349	400	366	334	280	265	266
16	370	417	414	390	336	316	310
15	444	443	443	420	391	372	351
14			400	401	437	422	382
13				509	491	470	402
12				559	533	501	430
11					582	532	493
10						620	564
9							660
8							698
7							
6							

ISOTHERM DEPTHS (M)

R/V RESEARCHER RES-STACS12-83

XBT NO.	43	44	45	46	47	48	49
YEAR	83	83	83	83	83	83	83
MONTH	12	12	12	12	12	12	12
DAY (GMT)	8	8	8	8	8	8	8
TIME (GMT)	0720	0935	0953	1157	1305	1417	1520
LAT (N)	27.00	27.20	27.00	26.90	27.00	27.00	26.90
LON (W)	79.50	79.53	79.60	79.65	79.60	79.75	79.80
SURF T (C)	27.1	27.0	26.8	26.9	26.9	26.7	26.6
29							
28							
27	71	43					
26	94	91	85	84	76	70	60
25	100	107	96	96	87	94	69
24	123	124	111	110	100	110	90
23	139	136	131	123	110	116	96
22	151	151	139	130	124	124	105
21	171	167	153	140	140	142	115
20	186	186	166	160	155	156	129
19	212	202	183	174	165	170	144
18	235	220	202	190	176	179	157
17	262	251	232	215	203	197	172
16	295	281	265	253	230	228	205
15	320	310	293	279	254	255	220
14	350	340	326	300	282	283	240
13	370	300	349	334	311	295	251
12	419	413	370	359	329	303	261
11	475	436	405	380	340	319	271
10	523	473	440	399	362	330	282
9	600	570	500	424	383	357	290
8	660	622	556	494	434	400	317
7	704	677	644		481		
6							

ISOTHERM DEPTHS (M)

R/V RESEARCHER RES-STACS12-83

XBT NO.	50	51	52	53	54	55	56
YEAR	83	83	83	83	83	83	83
MONTH	12	12	12	12	12	12	12
DAY (GMT)	8	8	8	8	8	8	8
TIME (GMT)	1615	1720	1732	2002	2049	2142	2240
LAT (N)	27.00	27.20	27.00	27.17	27.32	27.33	27.35
LON (W)	79.85	79.88	79.92	79.97	80.00	79.82	79.62
SURF T (C)	26.5	26.6	26.6	25.7	25.3	26.5	26.9
29							
28							
27							
26	43	40	34			60	83
25	54	53	59	50	21	67	96
24	72	72	71	52	30	90	112
23	80	82	70	54	43	90	120
22	86	90	83	56	47	106	142
21	94	97	87	58		117	159
20	105	106	91	61		131	171
19	119	114	94	66		150	182
18	135	121	96	70		162	202
17	155	127	99	75		173	230
16	172	137	105	79		187	266
15	180	145	110			199	298
14	180	151	114			211	327
13	190	156	110			223	357
12	207	161	122			237	385
11	216	166	127			249	416
10	223	179				264	458
9	229					284	500
8	261						570
7							597
6							

ISOTHERM DEPTHS (M)

R/V RESEARCHER RES-STACS12-83

XBT NO.	57	58	59	61	62	63	64
YEAR	83	83	83	83	83	83	83
MONTH	12	12	12	12	12	12	12
DAY (GMT)	8	9	9	9	9	9	9
TIME (GMT)	2326	0036	0140	0358	0452	0531	0630
LAT (N)	27.33	27.22	27.12	27.00	27.00	26.97	26.88
LON (W)	79.48	79.67	79.83	79.83	79.65	79.52	79.67
SURF T (C)	26.8	26.9	26.5	26.5	26.8	26.8	26.8
29							
28							
27							
26	85	81	47	41	78	86	72
25	102	92	67	64	91	103	88
24	119	106	77	80	108	127	107
23	139	124	89	86	125	142	125
22	157	138	97	93	140	154	140
21	169	151	106	103	154	167	155
20	187	165	121	115	168	176	170
19	207	178	139	127	181	189	184
18	231	189	154	139	196	211	202
17	271	215	171	151	216	247	219
16	302	241	186	161	240	282	244
15	346	272	195	180	267	315	275
14	378	311	201	192	296	349	318
13	403	335	208	201	335	370	360
12	441	349	220	211	374	402	382
11	484	368	234	224	396	430	395
10	550	392	249	241	421	488	405
9	610	418	265	255	437	540	421
8	657	498	279	265	460	646	450
7						700	498
6							

ISOTHERM DEPTHS (M)

R/V RESEARCHER RES-STACS12-83

XBT NO.	65	66	67	68	69	70	71
YEAR	83	83	83	83	83	83	83
MONTH	12	12	12	12	12	12	12
DAY (GMT)	9	9	9	9	9	9	9
TIME (GMT)	0734	0842	0939	1006	1054	1152	1245
LAT (N)	26.70	26.65	26.65	26.65	26.65	26.70	26.90
LON (W)	79.82	79.95	79.75	79.65	79.48	79.65	79.80
SURF T (C)	26.5	25.0	26.5	26.8	27.1	26.7	26.5
29							
28							
27					90		
26	45		63	81	189	70	59
25	65	31	89	105	117	103	72
24	91	45	108	117	128	115	80
23	100	55	119	131	148	129	85
22	109	63	129	140	162	141	92
21	120	69	137	158	175	152	100
20	134	80	149	172	196	165	112
19	146	90	169	184	213	179	129
18	159	97	193	204	239	196	157
17	173	104	208	230	274	216	175
16	182	110	229	257	307	246	189
15	191	115	254	281	340	279	200
14	201	121	267	311	372	308	206
13	211	126	282	340	411	351	217
12	223	133	293	372	427	396	236
11	236	146	311	400	462	423	245
10	247		328	411	502	435	260
9	266		346	419	577	446	274
8	293		375	451	617	467	292
7			413	488	680	512	
6							

ISOTHERM DEPTHS (M)

R/V VIRGINIA KEY VK-STACS13-84

XBT NO.	3	5	6	8	9	10	11
YEAR	84	84	84	84	84	84	84
MONTH	1	1	1	1	1	1	1
DAY (GMT)	18	18	18	18	18	18	25
TIME (GMT)	0829	0427	0657	0951	1153	1330	2006
LAT (N)	27.00	27.01	27.03	27.02	27.01	27.00	27.00
LON (W)	79.79	79.61	79.49	79.37	79.28	79.19	79.94
SURF T (C)	25.5	25.8	25.5	25.5	25.5	25.5	22.6
27							
26							
25	80	124	121	113	102	91	
24	103	140	137	126	129	123	
23	110	156	156	130	144	156	
22	144	171	177	173	169	177	15
21	174	187	202	193	191	188	45
20	184	206	216	231	233	230	61
19	193	227	237	261	269	264	67
18	198	259	265	287	292	323	
17	204	283	296	323	360	412	
16	212	314	345	383	409	443	
15	226	340	375	406	430		
14	242	358	393	429	468		
13	258	385	417	451	505		
12	292	406	441	488	532		
11	303	435	472	523	584		
10	315	449	499	575			
9	338	472	549				
8		514	616				
7		575	673				
6							

ISOTHERM DEPTHS (M)

R/V VIRGINIA KEY VK-STACS13-84

XBT NO.	12	13	14	15	16	17	18
YEAR	84	84	84	84	84	84	84
MONTH	1	1	1	1	1	1	1
DAY (GMT)	25	25	25	25	25	25	26
TIME (GMT)	2026	2056	2126	2204	2259	2330	0032
LAT (N)	27.00	27.00	27.00	26.98	26.99	26.99	27.01
LON (W)	79.89	79.86	79.83	79.79	79.73	79.68	79.65
SURF T (C)	24.0	24.8	25.4	25.8	25.7	25.8	25.8
27							
26							
25			10	32	37	51	64
24		15	28	44	54	77	77
23	20	44	58	66	69	89	93
22	42	59	80	100	98	102	99
21	64	82	94	107	125	119	122
20	82	90	102	115	142	150	149
19	87	98	108	126	150	163	167
18	92	105	113	134	154	174	193
17	96	111	119	139	159	188	210
16	106	120	129	149	169	199	220
15		149	146	162	182	210	225
14		172	171	176	198	217	234
13		186	185	191	198	223	244
12			200	210	221	229	251
11			213	226	234	246	259
10			233	243	253	261	272
9				256	270	301	321
8				286	295	337	390
7					330	397	424
6						440	476

ISOTHERM DEPTHS (M)

R/V VIRGINIA KEY VK-STACS13-84

XBT NO.	19	20	21	22	23	24	26
YEAR	84	84	84	84	84	84	84
MONTH	1	1	1	1	1	1	1
DAY (GMT)	26	26	26	26	26	26	26
TIME (GMT)	0115	0234	0308	0445	0525	0640	0823
LAT (N)	26.98	27.00	26.99	27.00	26.99	27.00	27.00
LON (W)	79.61	79.55	79.49	79.43	79.37	79.33	79.24
SURF T (C)	25.8	25.8	25.7	25.5	25.3	25.3	25.4
27							
26							
25	70	70	75	74	75	70	74
24	82	82	87	88	85	89	86
23	90	90	102	102	101	102	98
22	90	99	121	120	121	121	122
21	130	128	142	136	138	135	144
20	145	153	155	158	155	150	158
19	162	168	179	185	189	192	184
18	183	197	204	211	211	221	243
17	206	221	220	244	259	262	282
16	222	236	245	272	276	289	328
15	236	256	268	292	303	322	361
14	246	274	289	309	328	343	375
13	255	287	312	344	364	363	416
12	266	307	346	388	392	397	
11	282	331	379	441	440	519	
10	316	366	413	468	526		
9	369	438	484	531			
8	438	499	534	594			
7	493	550	592				
6	538	618					

ISOTHERM DEPTHS (M)

R/V VIRGINIA KEY VK-STACS13-84

XBT NO.	27	28	29	30	31	32	33
YEAR	84	84	84	84	84	84	84
MONTH	1	1	1	1	1	1	1
DAY (GMT)	26	30	30	30	30	30	31
TIME (GMT)	0859	2059	2127	2152	2230	2306	0001
LAT (N)	27.00	27.00	27.00	27.00	27.01	26.98	26.99
LON (W)	79.19	79.93	79.96	79.86	79.83	79.79	79.74
SURF T (C)	25.4	24.7	25.5	25.5	25.7	25.9	25.6
27							
26							
25	77		33	46	58	72	75
24	91	17	44	64	67	85	84
23	102	31	53	80	79	97	110
22	126	43	66	87	118	133	133
21	148	61	83	103	129	142	175
20	173	74	96	110	143	160	189
19	195	90	110	126	154	174	201
18	255	101	120	141	165	185	211
17	314		136	156	172	193	221
16	348		148	170	177	198	229
15	378		164	182	184	204	235
14				189	193	210	242
13				197	205	217	249
12				208	227	227	256
11				215	242	238	263
10				227	253	261	273
9					264	277	314
8					272	292	335
7					285	307	346
6							388

ISOTHERM DEPTHS (M)

R/V VIRGINIA KEY VK-STACS13-84

XBT NO.	34	35	37	38	39	40	41
YEAR	84	84	84	84	84	84	84
MONTH	1	1	1	1	1	1	1
DAY (GMT)	31	31	31	31	31	31	31
TIME (GMT)	0046	0132	0225	0329	0408	0547	0627
LAT (N)	27.00	27.01	26.99	26.80	26.98	26.99	27.00
LON (W)	79.67	79.65	79.61	79.55	79.50	79.43	79.37
SURF T (C)	25.8	25.8	25.9	25.1	25.4	25.3	25.3
27							
26							
25	80	76	104	121	68	84	89
24	88	88	114	133	95	97	105
23	115	100	123	146	110	112	119
22	140	145	164	163	120	128	131
21	170	172	184	182	137	143	147
20	190	185	206	205	166	164	165
19	222	209	224	226	182	189	185
18	247	238	245	241	203	214	213
17	265	277	280	268	226	238	238
16	272	280	301	291	247	263	268
15	277	297	313	310	276	291	306
14	284	307	333	331	305	315	327
13	293	316	340	344	331	339	372
12	306	323	357	378	356	387	397
11	316	320	372	419	382	434	409
10	327	347	398	457	428	515	
9	349	385	432	489	483	538	
8	387	417	495	519	501	563	
7	412	435	518	538	547	600	
6	468	510	589	652			

ISOTHERM DEPTHS (M)

R/V VIRGINIA KEY VK-STACS13-84

XBT NO.	42	43	44	45
YEAR	84	84	84	84
MONTH	1	1	1	1
DAY (GMT)	31	31	31	31
TIME (GMT)	0746	0845	0947	1024
LAT (N)	27.00	26.99	26.98	27.00
LON (W)	79.33	79.28	79.24	79.16
SURF T (C)	25.3	25.3	25.3	25.2
27				
26				
25	87	77	72	70
24	105	101	92	83
23	117	107	99	91
22	132	115	107	101
21	151	137	135	136
20	165	171	171	156
19	189	190	207	186
18	215	232	246	242
17	247	280	291	326
16	287	305	330	362
15	316	337	375	
14	350	388	399	
13	371	426	448	
12	400	470		
11	500			
10				
9				
8				
7				
6				

ISOTHERM DEPTHS (M)

R/V RESEARCHER RES-STACS14-84

XBT NO.	1	2	3	4	5	6	7
YEAR	84	84	84	84	84	84	84
MONTH	3	3	3	3	3	3	3
DAY (GMT)	15	15	15	15	15	15	15
TIME (GMT)	0505	0625	0735	0802	0917	0945	1114
LAT (N)	26.98	27.20	27.00	26.98	27.20	26.98	27.20
LON (W)	79.93	79.87	79.85	79.80	79.75	79.68	79.67
SURF T (C)	24.7	24.9	25.0	25.2	25.3	25.3	25.2
27							
26							
25							
24	34	36	38	36	44	63	64
23	50	47	48	47	57	73	75
22	62	61	60	59	69	83	87
21	74	79	78	80	85	105	111
20	82	106	100	97	99	128	129
19	89	119	124	116	135	145	147
18	93	128	135	139	153	166	173
17	97	139	148	155	173	191	199
16	101	150	160	171	202	230	236
15	105	159	171	197	233	264	272
14	109	169	186	211	261	310	297
13	116	183	196	223	279	338	349
12		197	209	234	289	357	373
11		207	217	242	295	371	388
10		213	224	253	303	383	400
9			236	264	317	397	415
8				286	340	408	427
7				314	356	428	446
6						486	517

ISOTHERM DEPTHS (M)

R/V RESEARCHER RES-STACS14-84

XBT NO.	8	9	10	11	12	13	14
YEAR	84	84	84	84	84	84	84
MONTH	3	3	3	3	3	3	3
DAY (GMT)	15	15	15	15	15	15	16
TIME (GMT)	1146	1335	1610	1630	1831	1921	0126
LAT (N)	26.97	26.98	27.20	27.00	27.20	27.00	27.20
LON (W)	79.62	79.50	79.43	79.37	79.35	79.28	79.25
SURF T (C)	25.1	25.2	25.5	25.1	25.2	25.1	25.0
27							
26							
25	76	94	93	90	84	67	53
24	86	105	114	122	124	121	111
23	95	125	133	135	143	150	161
22	122	137	140	149	154	169	180
21	139	158	149	158	164	183	196
20	160	171	166	177	188	203	216
19	175	193	210	218	226	234	244
18	209	240	277	300	299	313	289
17	271	349	337	372	300	367	357
16	305	375	385	410	419	407	415
15	342	396	415	435	451	431	453
14	359	409	443	461	475	460	498
13	393	440	465	500	503	496	
12	430	460	494	520	519		
11	442	477	519	543	562		
10	449	512	538				
9	458	564	618				
8	489	626	691				
7	568	671					
6							

ISOTHERM DEPTHS (M)

R/V RESEARCHER RES-STACS14-84

XBT NO.	15	16	17	18	19	20	21
YEAR	84	84	84	84	84	84	84
MONTH	3	3	3	3	3	3	3
DAY (GMT)	16	16	16	17	18	18	18
TIME (GMT)	0139	0334	0346	2134	0420	0450	0525
LAT (N)	27.00	27.00	27.00	27.10	26.30	26.28	26.23
LON (W)	79.20	79.25	79.28	79.37	78.87	78.92	79.30
SURF T (C)	25.0	25.0	25.1	25.3	24.7	24.8	25.0
27							
26							
25	52		72	104			
24	114	114	124	155	89	102	135
23	167	166	156	166	133	156	162
22	181	183	173	180	166	181	170
21	196	190	192	190	186	203	191
20	217	216	207	216	214	235	220
19	252	243	230	246	251	267	254
18	299	295	285	284	319	314	313
17	368	365	357	383	401	390	360
16	417	417	407	419	449	419	
15	466	451	446	448	485	431	
14		522	483	467	520		
13			524	482	566		
12				496	596		
11				544	626		
10					640		
9					661		
8							
7							
6							

ISOTHERM DEPTHS (M)

R/V RESEARCHER RES-STACS14-84

XBT NO.	22	23	24	25	26	27	28
YEAR	84	84	84	84	84	84	84
MONTH	3	3	3	3	3	3	3
DAY (GMT)	18	18	21	21	21	21	21
TIME (GMT)	0727	1749	2121	2138	2150	2302	2324
LAT (N)	26.80	26.90	27.20	27.20	27.00	27.30	26.98
LON (W)	79.35	79.28	79.93	79.90	79.88	79.83	79.78
SURF T (C)	25.0	25.2	25.2	25.2	25.2	25.5	25.4
27							
26							
25	55	51	30	49	51	64	75
24	131	117	43	58	59	75	88
23	151	144	51	66	66	83	94
22	174	161	58	74	77	101	99
21	195	180	66	86	92	107	122
20	212	224	73	100	108	125	135
19	240	263	80	108	119	143	149
18	278	323	87	117	126	156	166
17	349	389	92	124	134	170	185
16	380	434	97	130	143	189	209
15	430	470	102	137	151	202	226
14	470	501	106	144	159	211	236
13	506	528	112	152	168	217	244
12				165	178	223	254
11					190	229	267
10					210	245	275
9						275	287
8						299	338
7							
6							

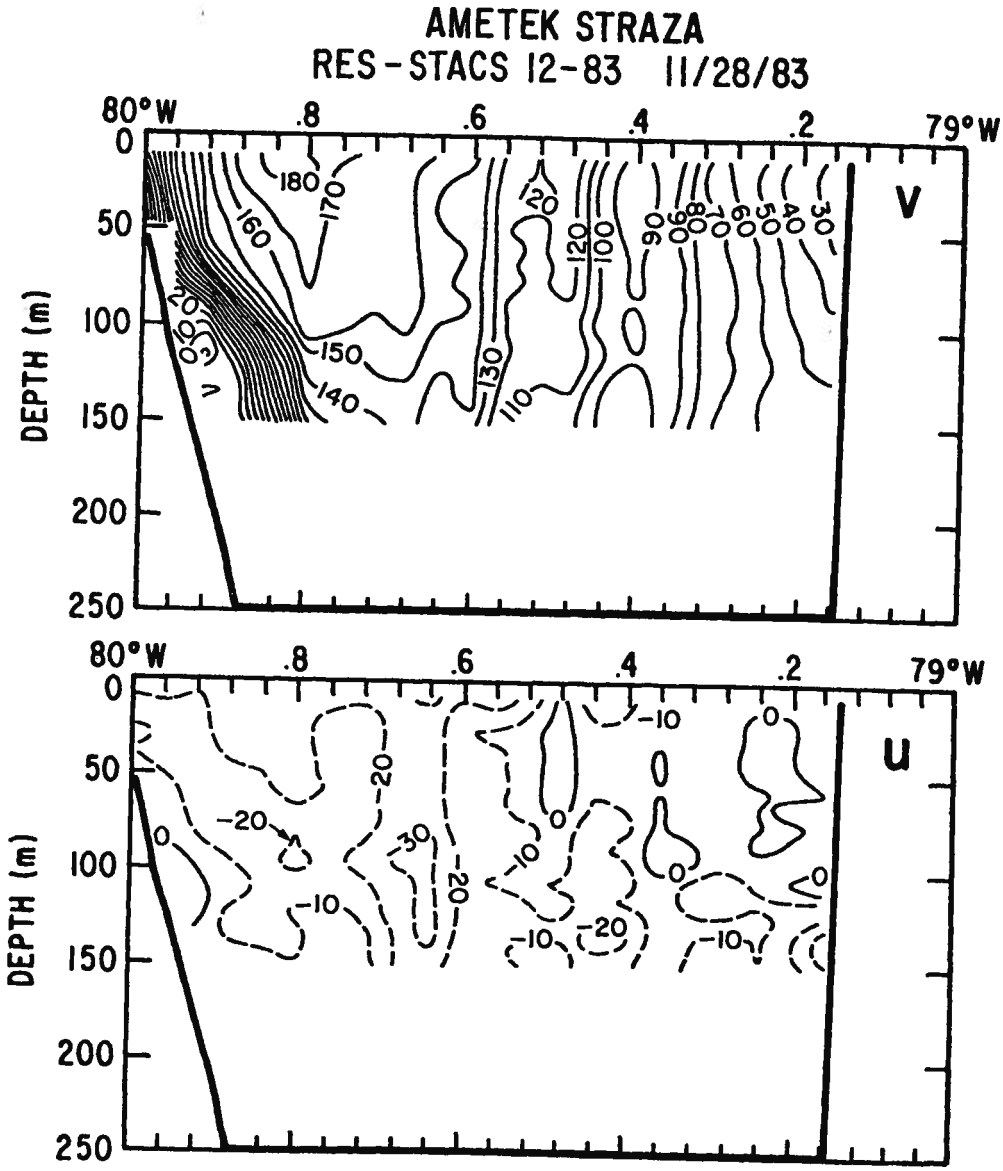
ISOTHERM DEPTHS (M)

R/V RESEARCHER RES-STAC814-84

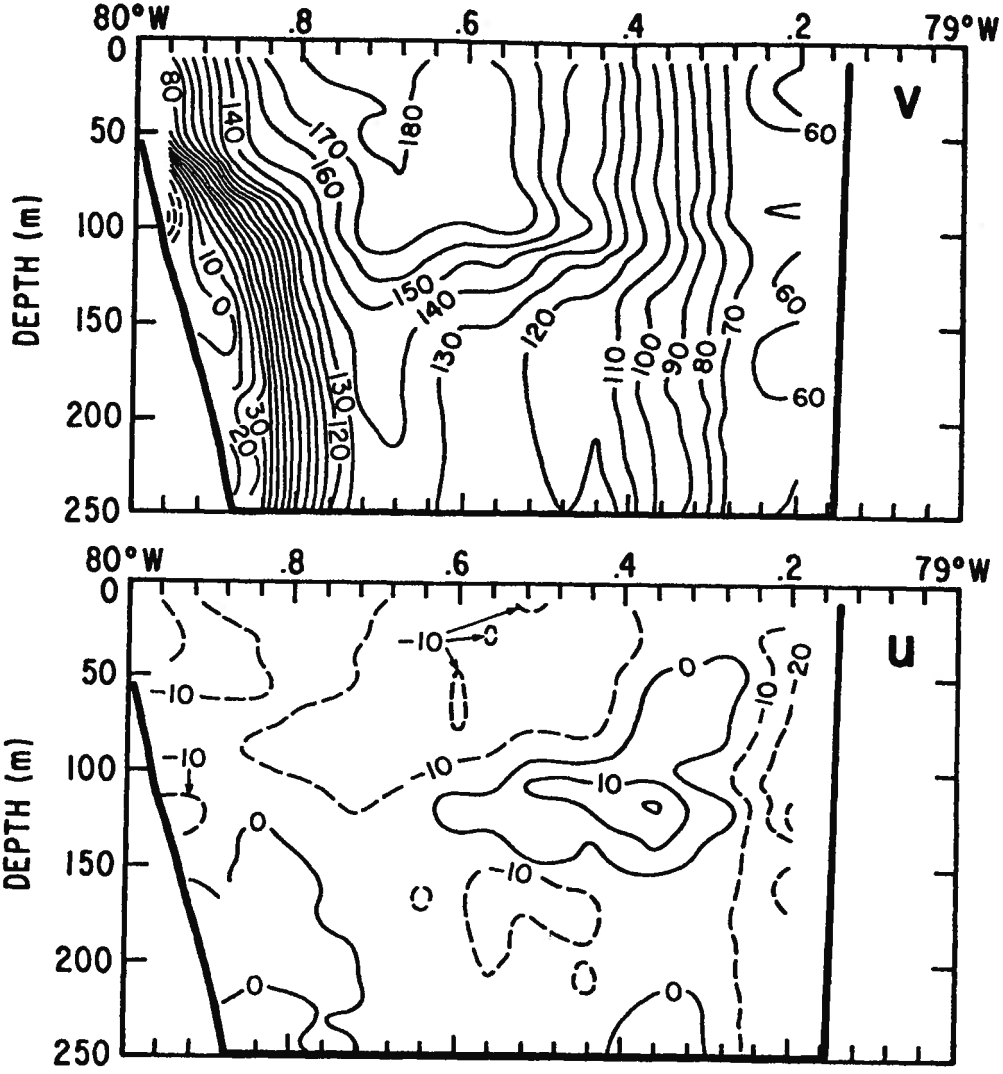
XBT NO.	29	30	31	32	33	34
YEAR	84	84	84	84	84	84
MONTH	3	3	3	3	3	3
DAY (GMT)	22	22	22	22	22	22
TIME (GMT)	0039	0052	0217	0233	0405	0424
LAT (N)	27.00	27.00	27.20	26.98	27.20	26.98
LON (W)	79.72	79.60	79.65	79.62	79.57	79.50
SURF T (C)	25.3	25.2	25.1	25.3	25.1	25.0
27						
26						
25	92	100	101	102	110	101
24	109	114	115	125	131	127
23	121	127	127	139	142	141
22	130	136	143	152	160	163
21	137	147	156	166	175	180
20	160	163	170	181	191	196
19	175	182	188	200	220	220
18	190	198	209	228	242	249
17	211	223	237	256	286	326
16	242	248	258	284	311	358
15	264	273	285	315	349	384
14	286	296	312	335	384	405
13	310	323	341	370	407	438
12	331	353	374	412	461	474
11	347	376	401	440	492	501
10	359	388	410	463	518	531
9	373	401	427	476	532	573
8	390	434	465	536	601	639
7					683	690
6						

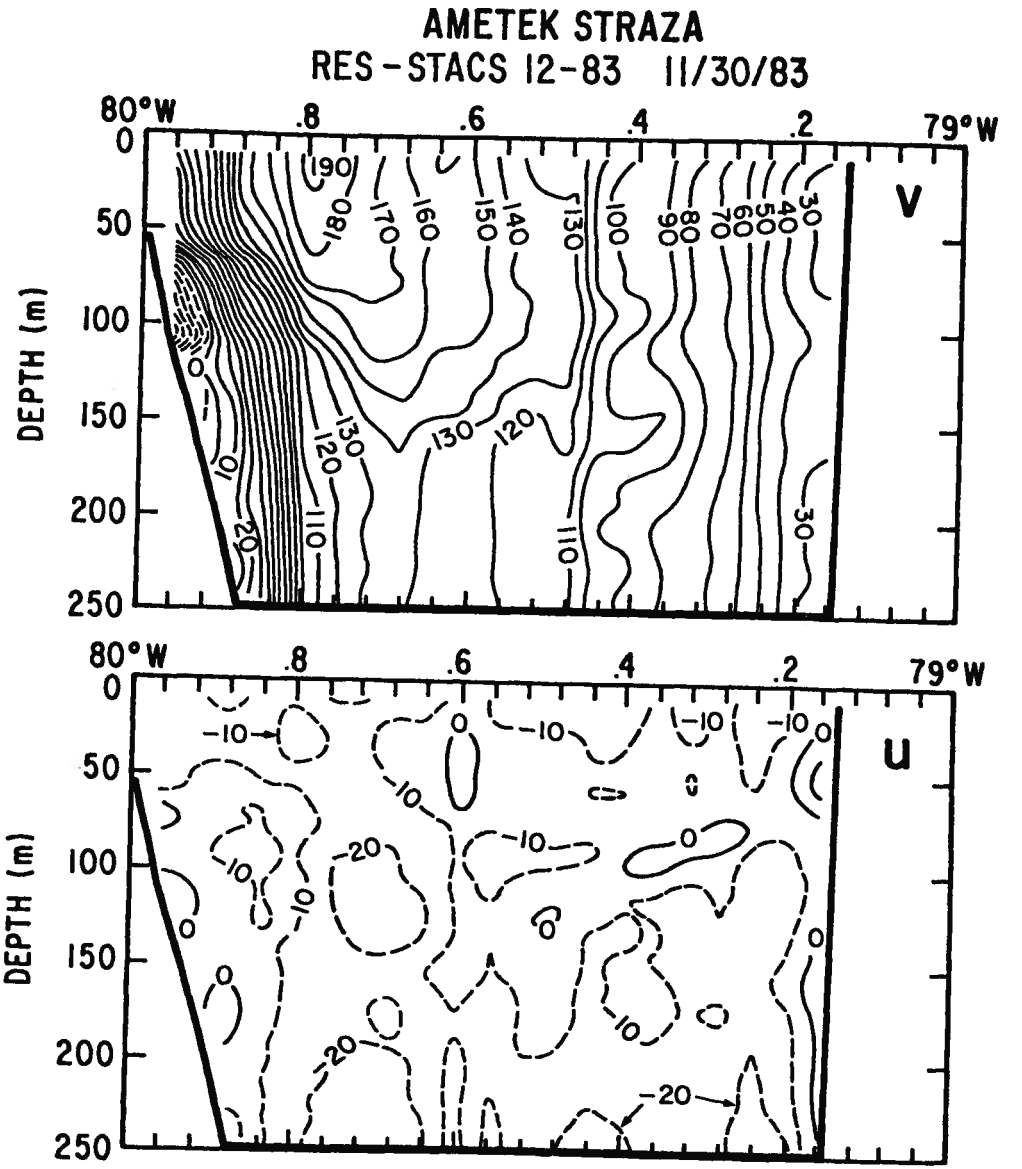
APPENDIX D: AMETEK STRAZA DATA

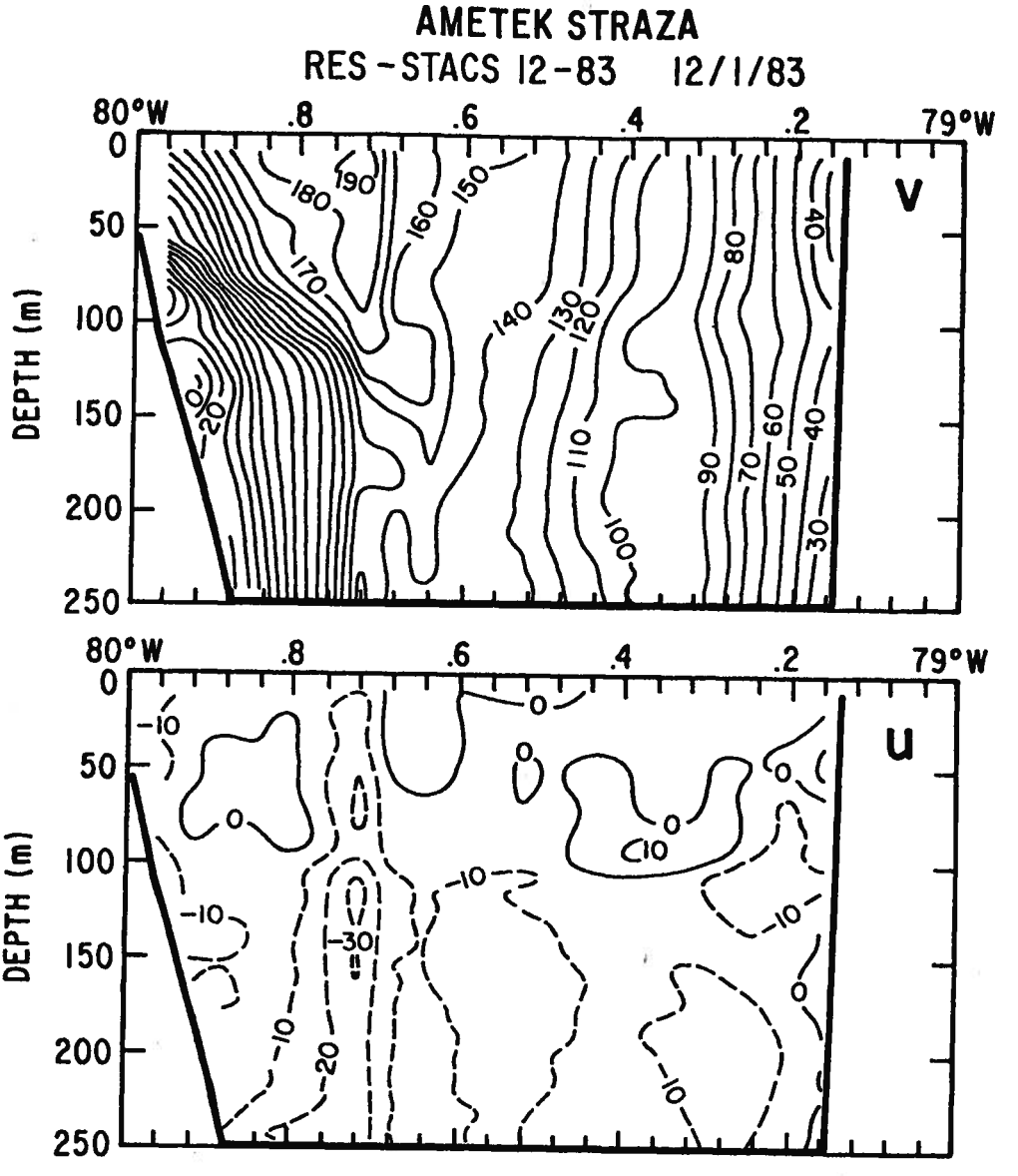
Sections taken along 27°N are presented by cruise and date. Northward (V) and eastward (U) components of current velocity in cm/sec to a depth of 250 meters are shown for each section.

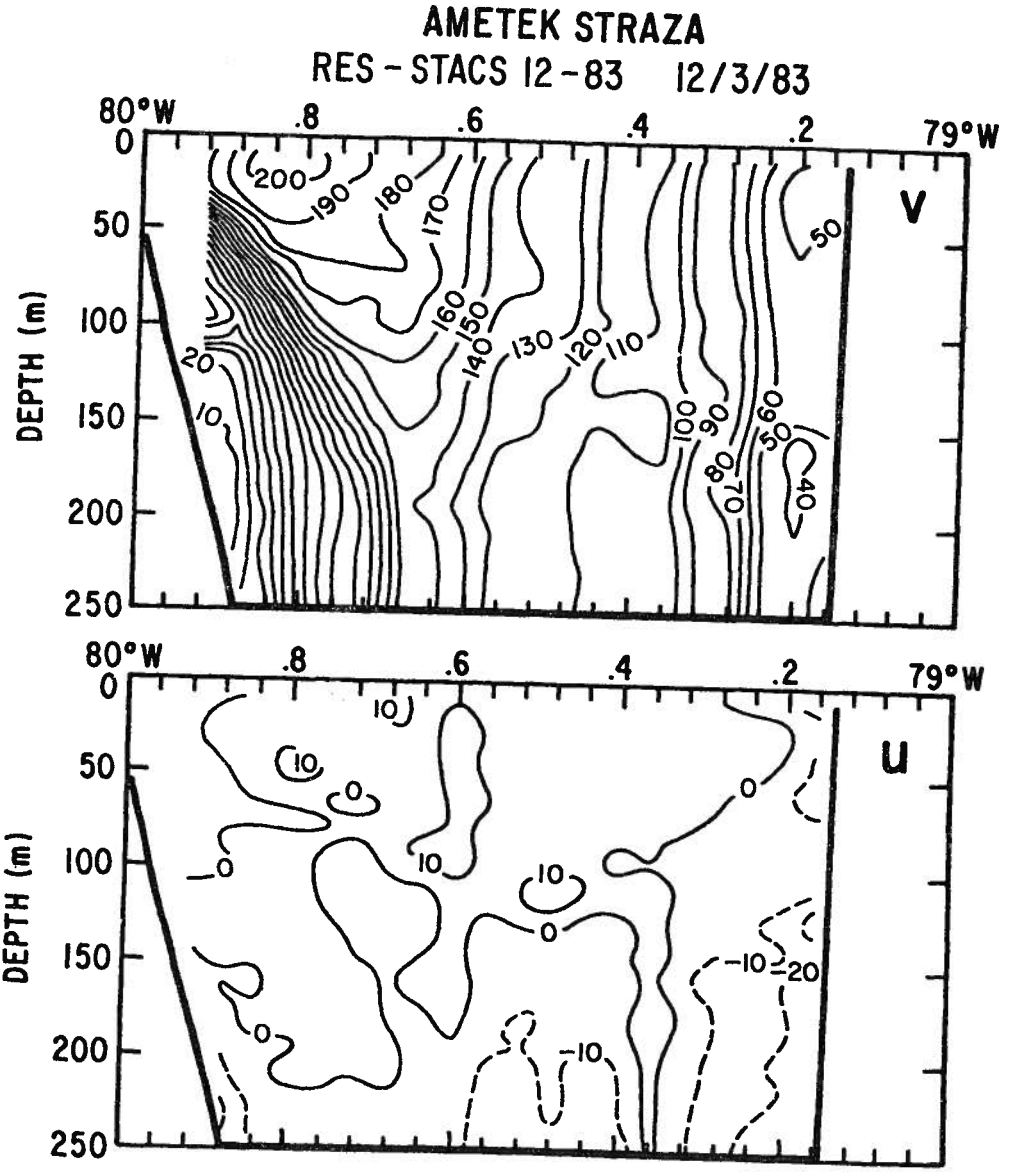

AMETEK STRAZA
RES-STACS 12-83 11/28/83
80°W
.8
.6
.4
.2
79°W
DEPTH (m)
0
50
100
150
200
250
V
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
U
-20
-10
0
-30

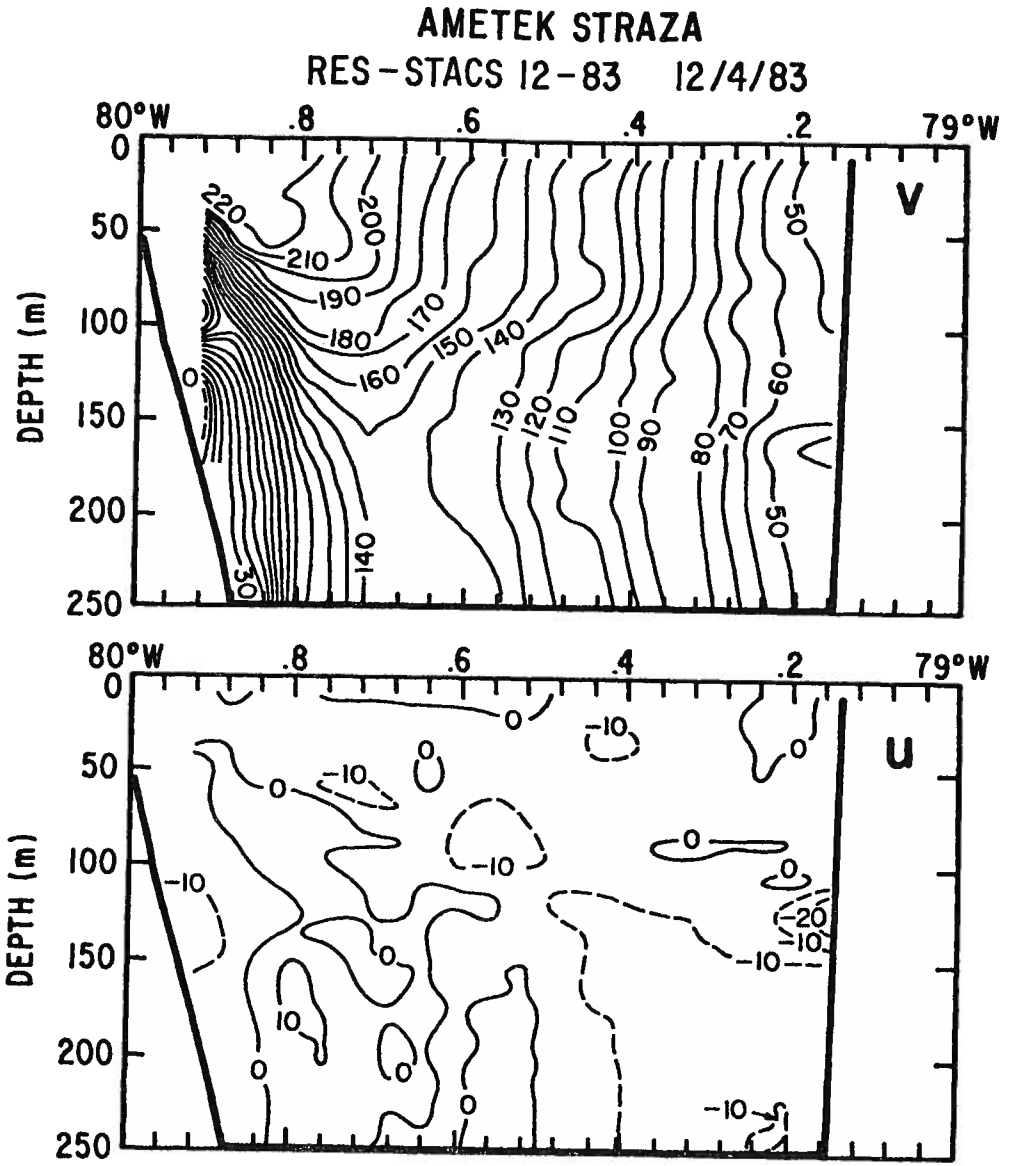
AMETEK STRAZA
RES-STACS 12-83 11/29/83

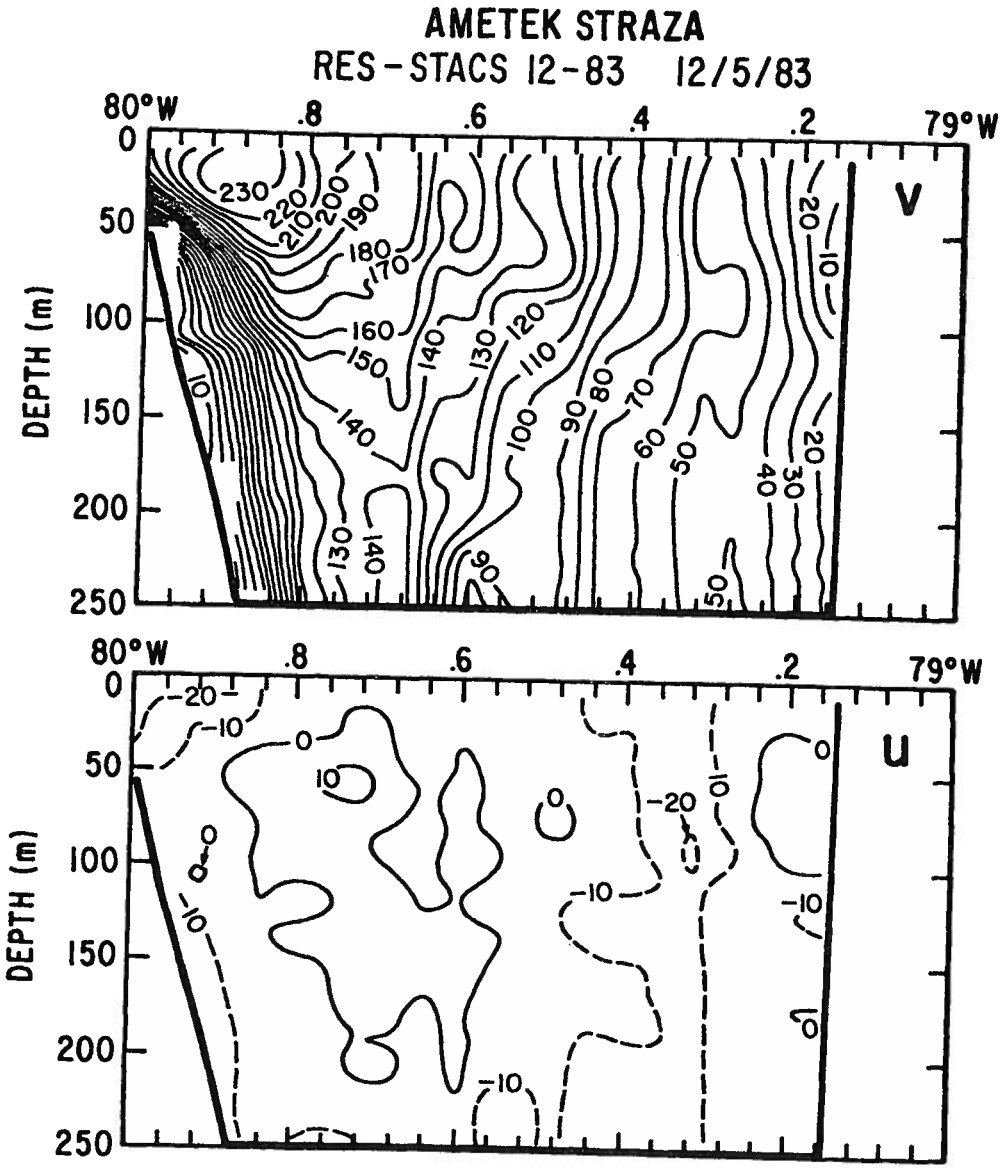


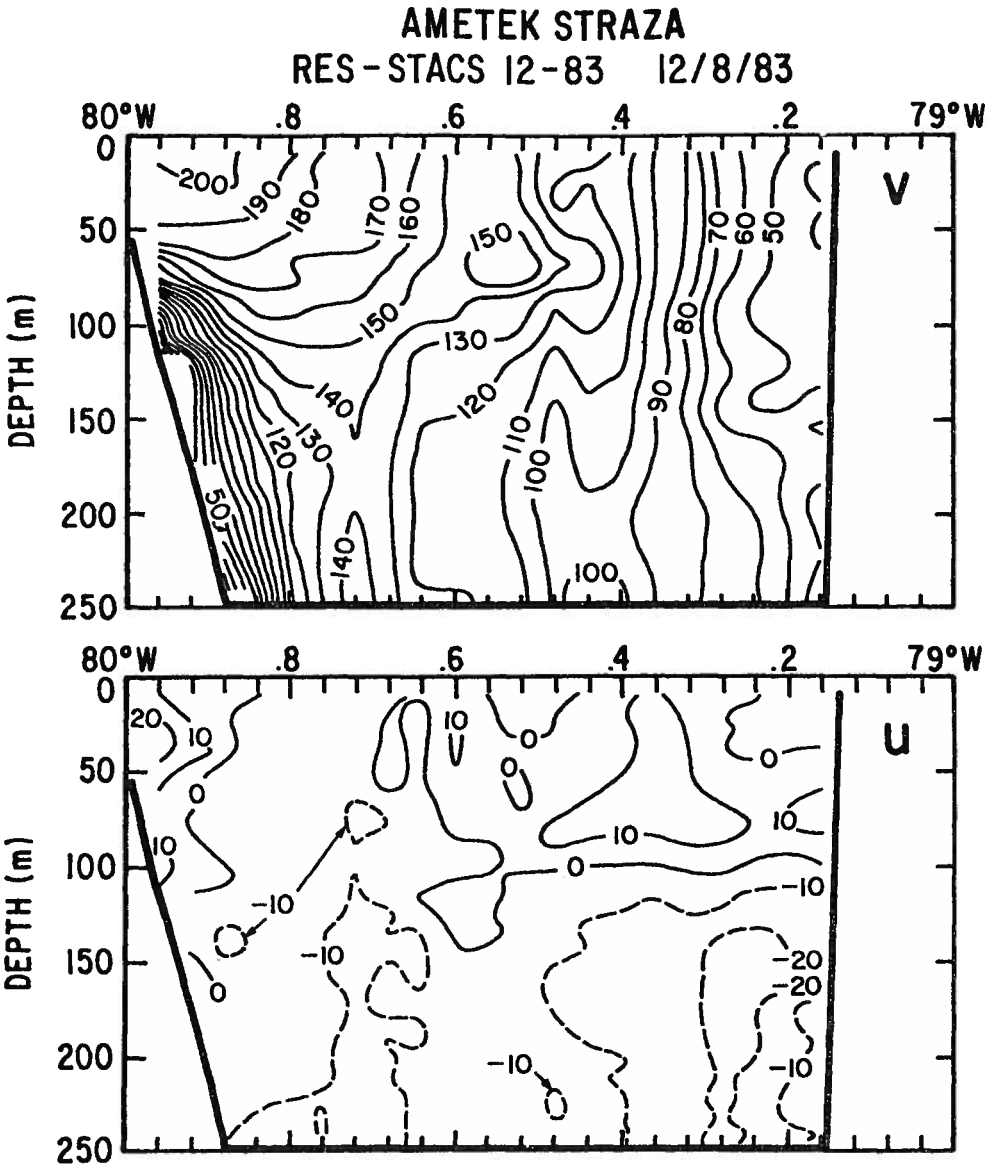

AMETEK STRAZA
RES-STACS 12-83 11/30/83
80°W
.8
.6
.4
.2
79°W
DEPTH (m)
0
50
100
150
200
250
V
U

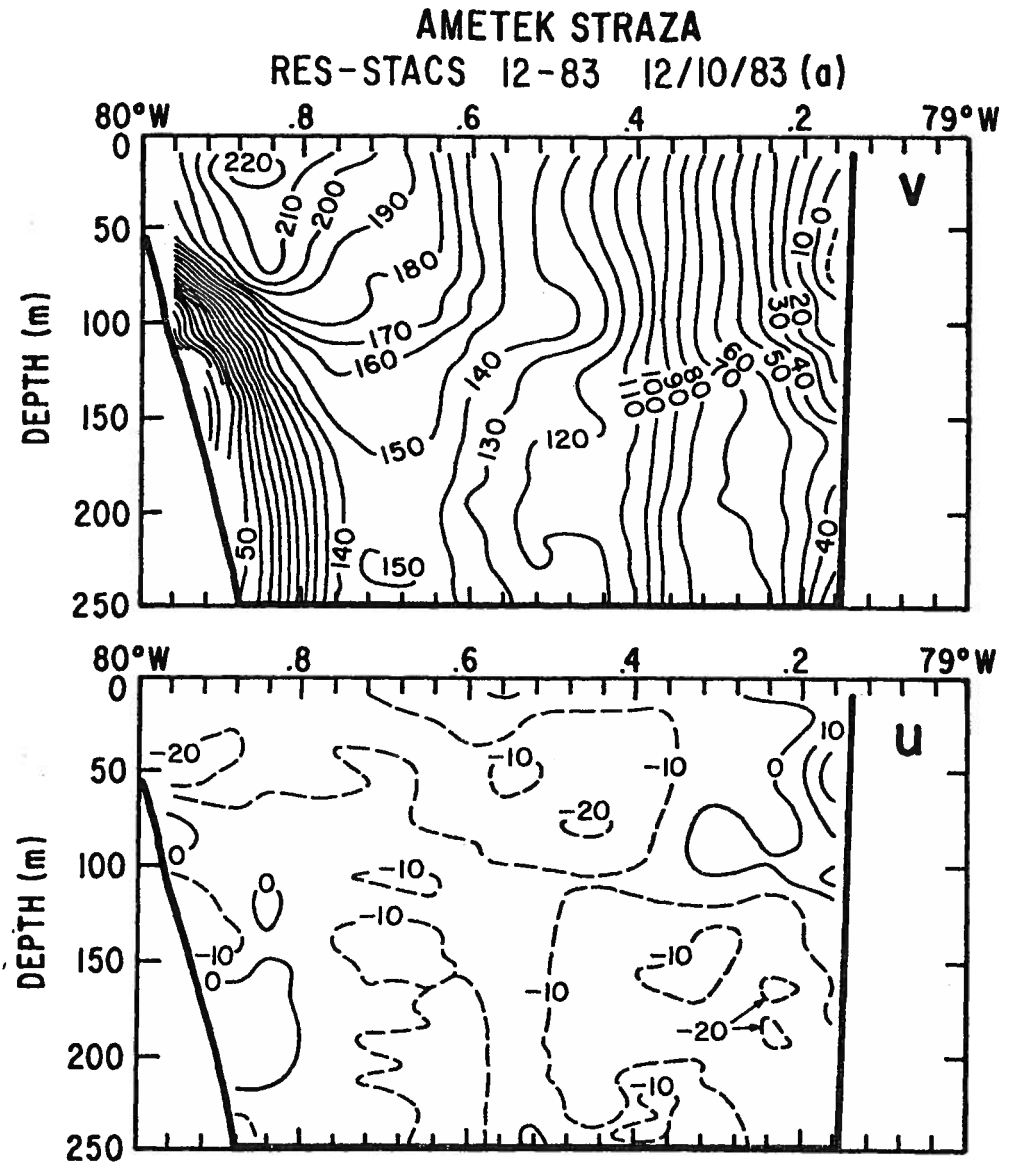

AMETEK STRAZA
RES-STACS 12-83 12/1/83
80°W
.8
.6
.4
.2
79°W
DEPTH (m)
0
50
100
150
200
250
V
180
190
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
U
-10
0
10
-30
-20


AMETEK STRAZA
RES - STACS 12 - 83 12/3/83
80°W
.8
.6
.4
.2
79°W
DEPTH (m)
0
50
100
150
200
250
V
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
20
10
U
10
0
-10
-20


AMETEK STRAZA
RES-STACS 12-83 12/4/83
80°W
.8
.6
.4
.2
79°W
DEPTH (m)
0
50
100
150
200
250
V
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
30
U
-10
-20


AMETEK STRAZA
RES-STACS 12-83 12/5/83
80°W
.8
.6
.4
.2
79°W
DEPTH (m)
0
50
100
150
200
250
V
U


AMETEK STRAZA
RES-STACS 12-83 12/8/83
80°W
.8
.6
.4
.2
79°W
DEPTH (m)
V
U


AMETEK STRAZA
RES-STACS 12-83 12/10/83 (a)
80°W
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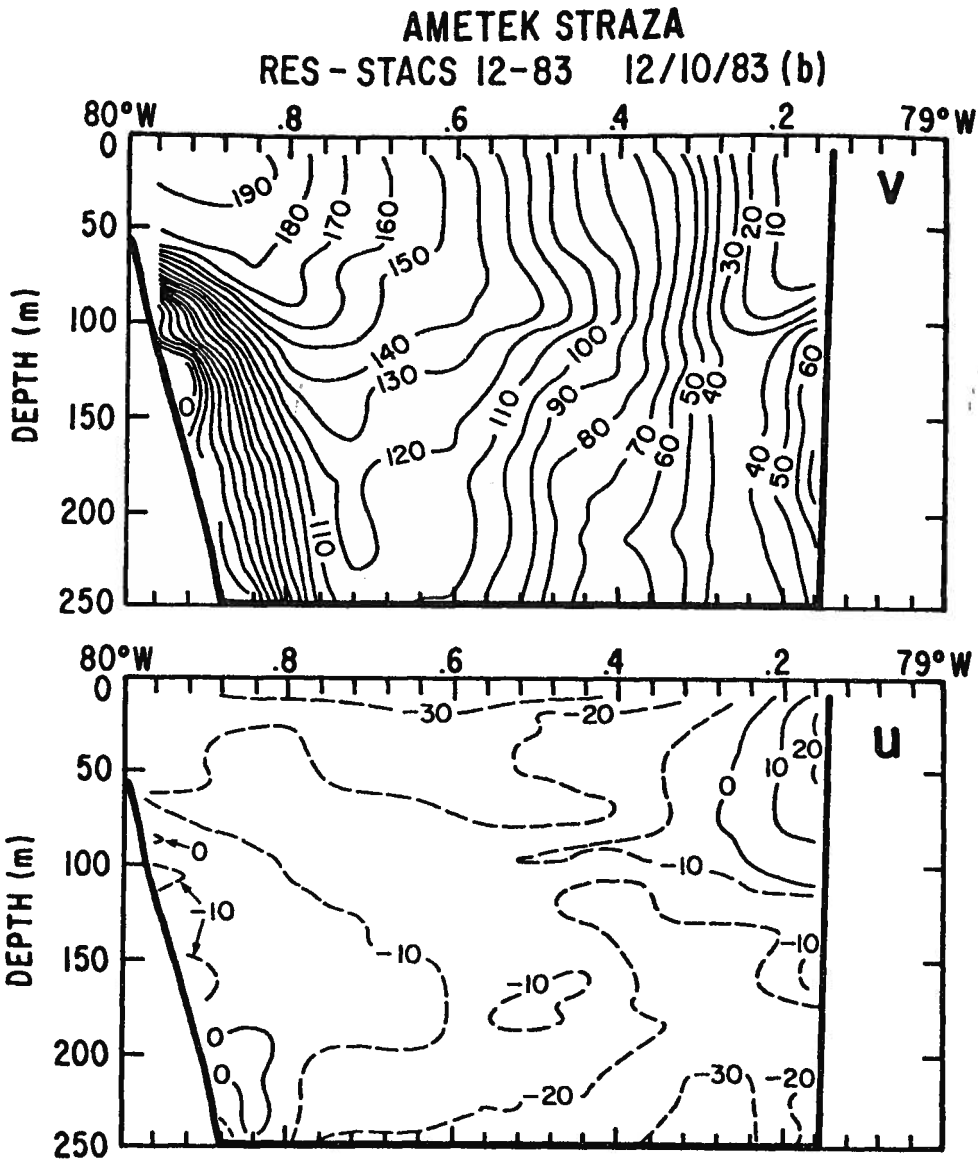
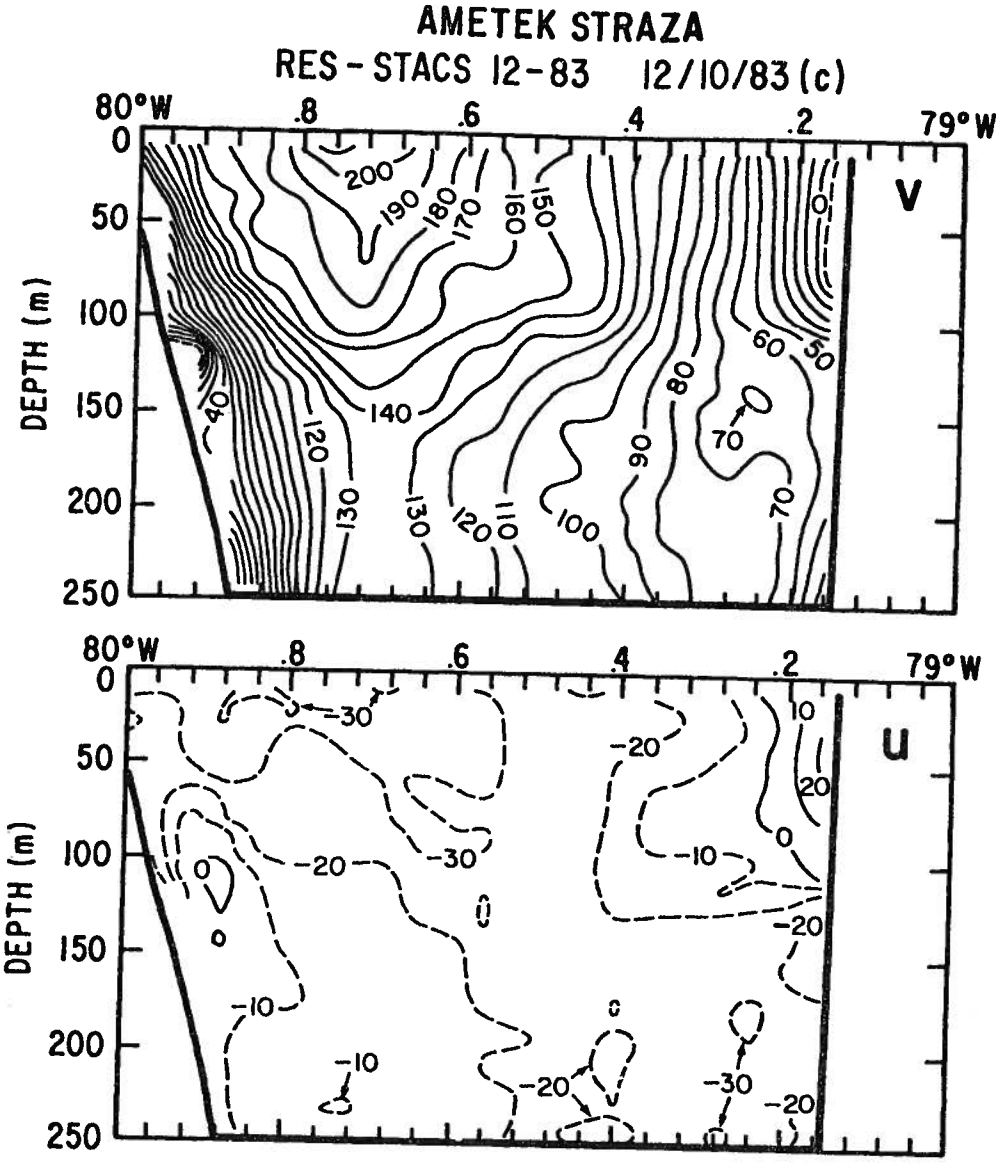
.6
.4
.2
79°W
DEPTH (m)
V
U


AMETEK STRAZA
RES - STACS 12-83 12/10/83 (b)
80°W
.8
.6
.4
.2
79°W
DEPTH (m)
0
50
100
150
200
250
V
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
60
40
50
u
-30
-20
-10
0
10
20


AMETEK STRAZA
RES-STACS 12-83 12/10/83 (c)
80°W
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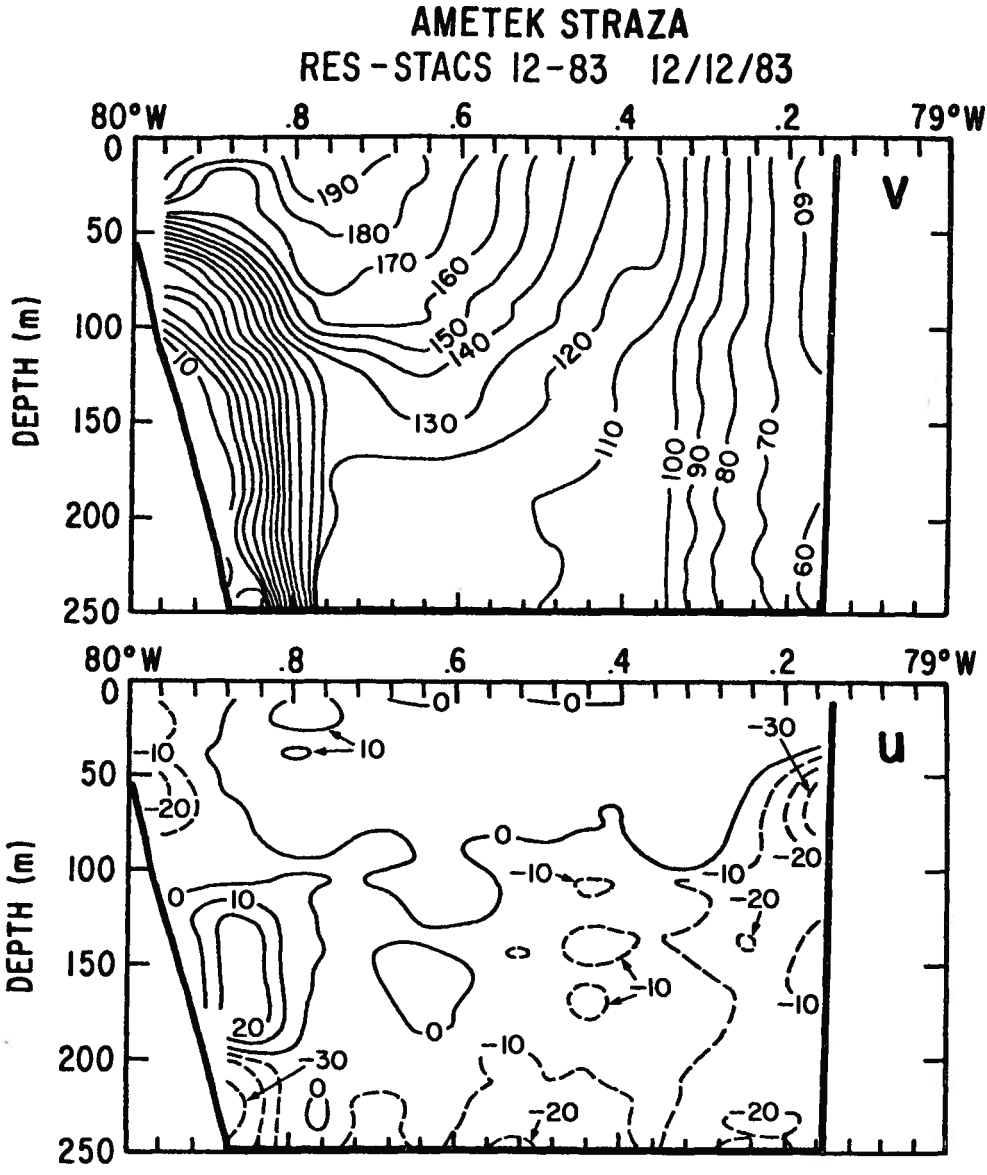
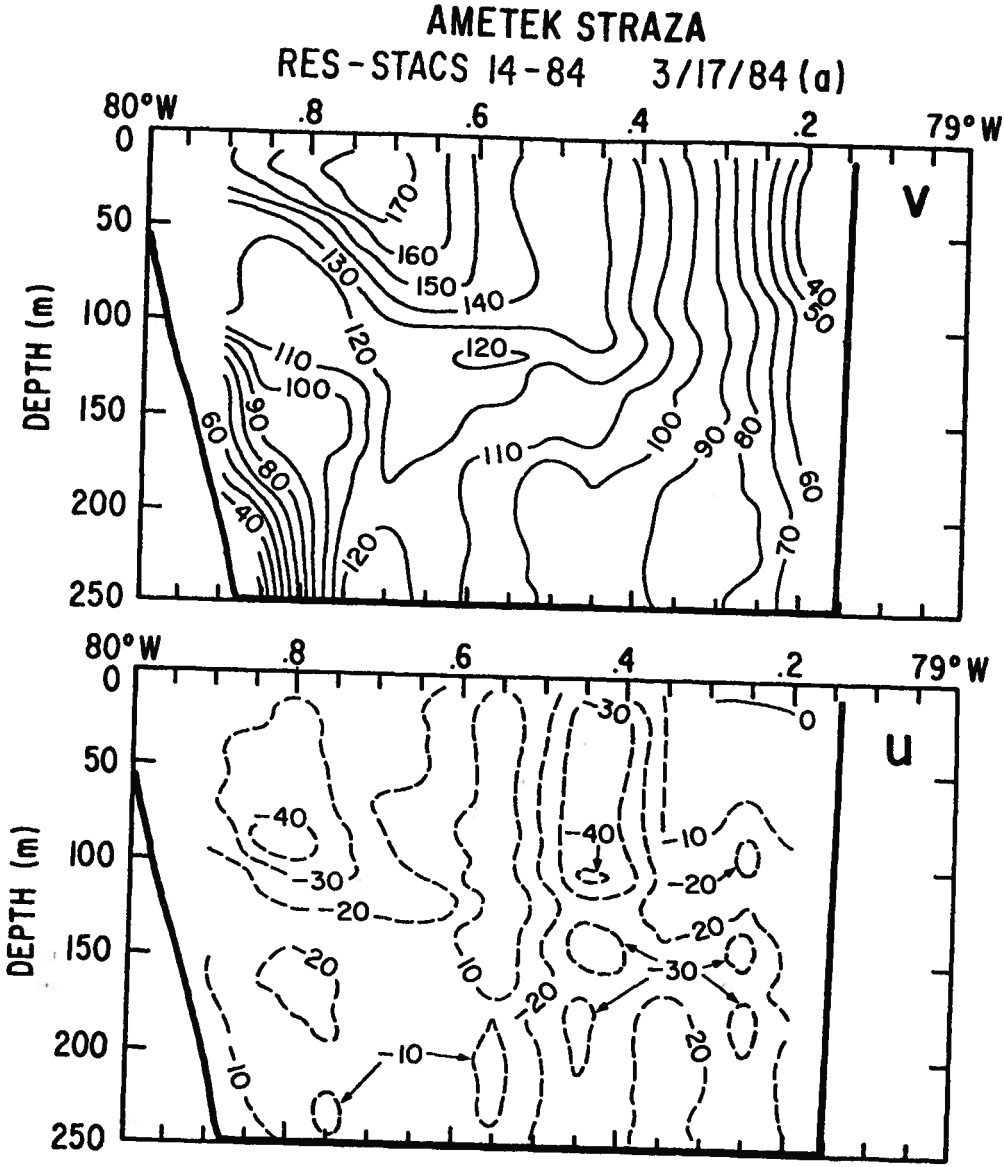
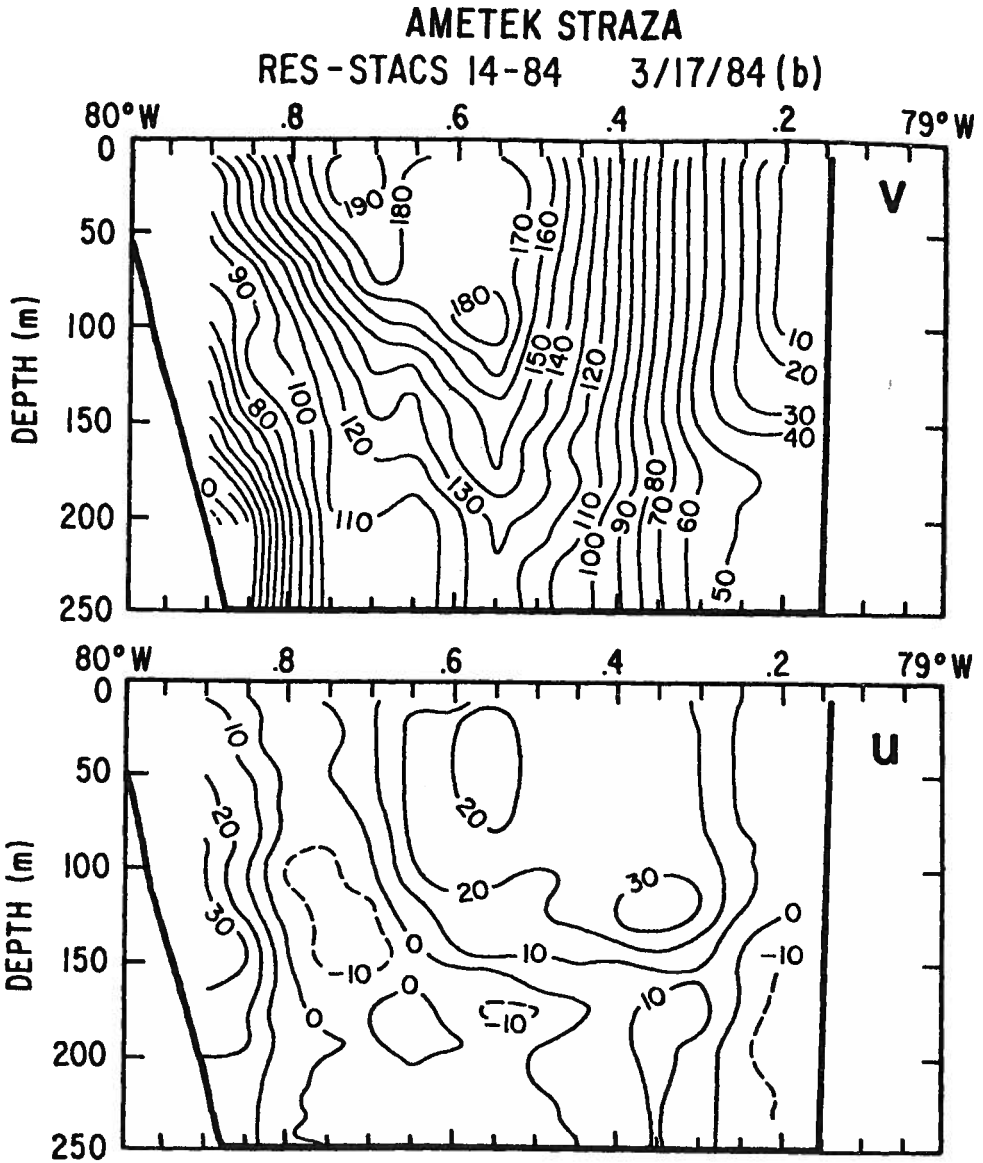
.6
.4
.2
79°W
DEPTH (m)
V
U


AMETEK STRAZA
RES-STACS 12-83 12/12/83
80°W
.8
.6
.4
.2
79°W
DEPTH (m)
0
50
100
150
200
250
V
190
180
170
160
150
140
130
120
110
100
90
80
70
60
10
U
-30
-20
-10
0
10
20


AMETEK STRAZA
RES-STACS 14-84 3/17/84 (a)
80°W
.8
.6
.4
.2
79°W
DEPTH (m)
0
50
100
150
200
250
V
170
160
150
140
130
120
110
100
90
80
70
60
40
50
U
-40
-30
-20
-10
0


AMETEK STRAZA
RES-STACS 14-84 3/17/84 (b)
80°W
.8
.6
.4
.2
79°W
DEPTH (m)
0
50
100
150
200
250
V
190
180
170
160
180
90
150
140
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-10
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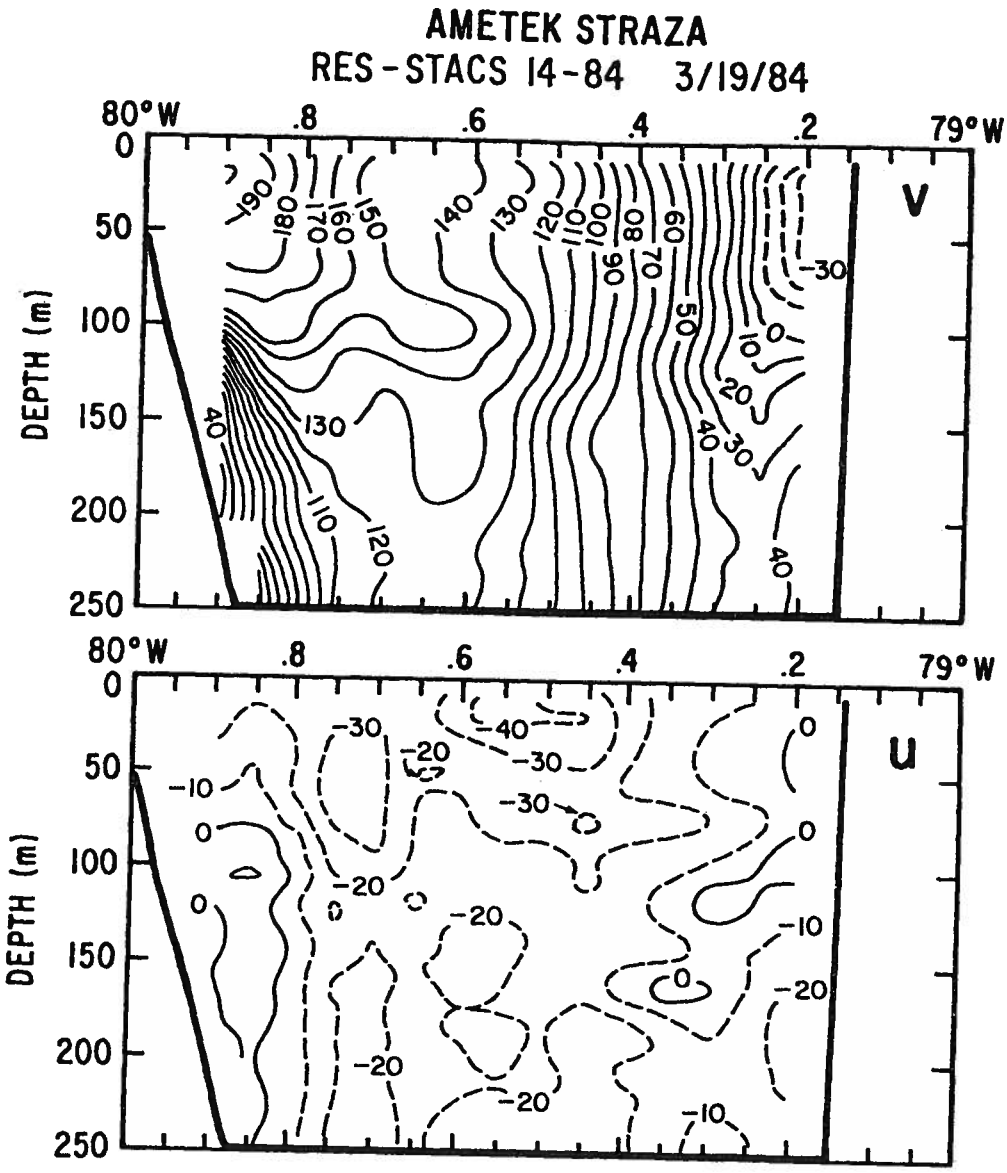
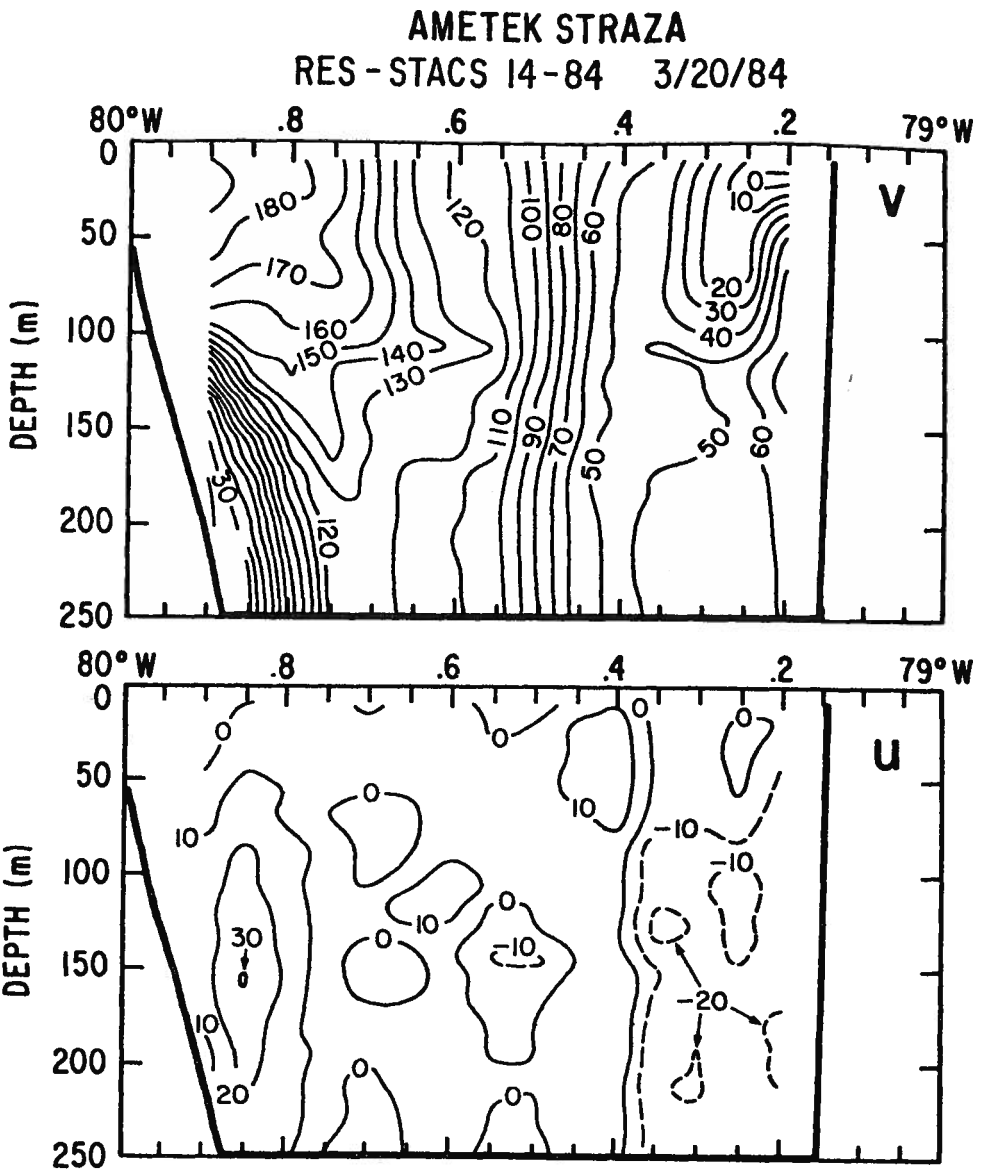

AMETEK STRAZA
RES-STACS 14-84 3/19/84
80°W
.8
.6
.4
.2
79°W
DEPTH (m)
0
50
100
150
200
250
V
U


AMETEK STRAZA
RES - STACS 14-84 3/20/84
80°W
.8
.6
.4
.2
79°W
DEPTH (m)
0
50
100
150
200
250
V
180
170
160
150
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130
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30
120
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60
50
0
10
20
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40
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60
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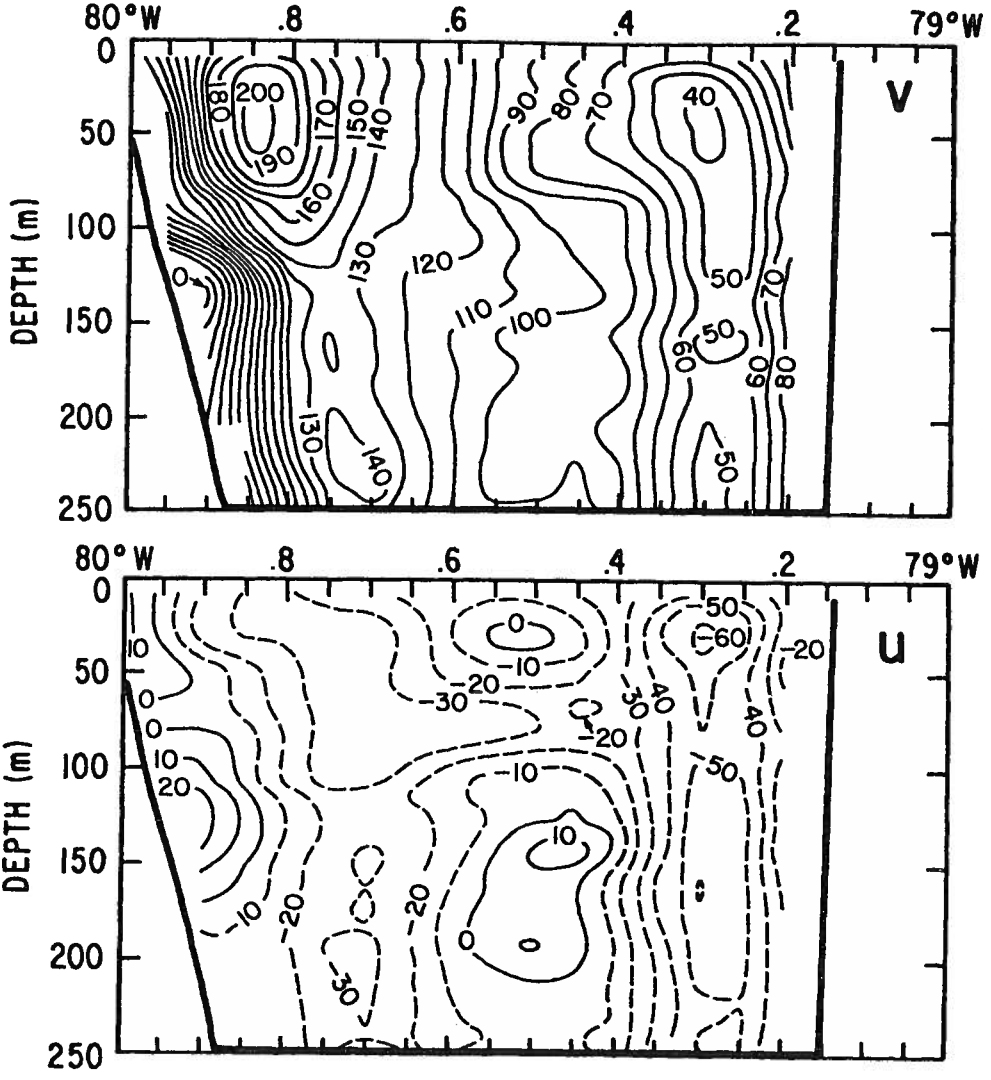
30
20
-10
-20

AMETEK STRAZA
RES-STACS 14-84 3/21/84



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