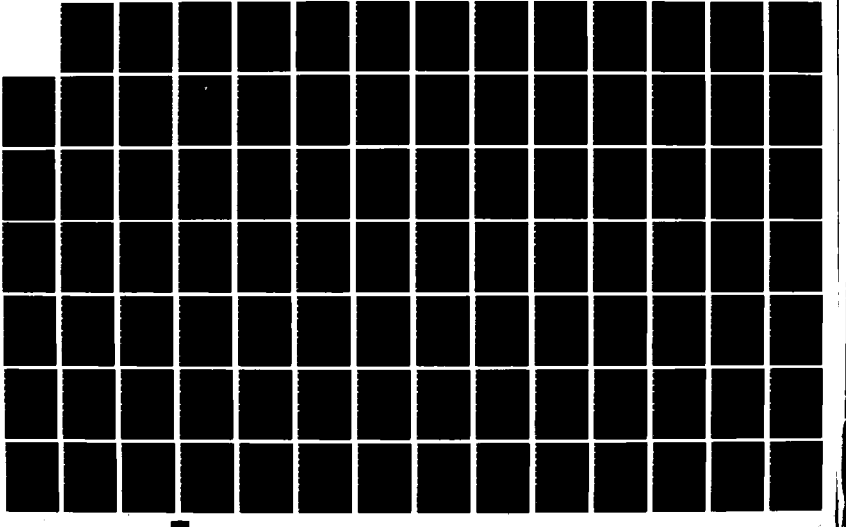
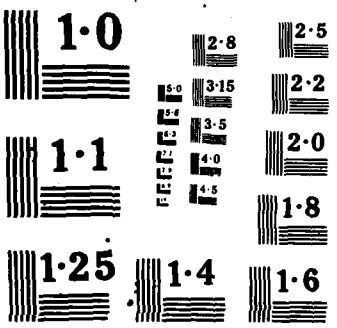
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(2)

Agulhas Retroflection Cruise

November-December 1983
Hydrographic (CTD) data
Final Technical Report
LDGO-86-1

Lamont-Doherty
Geological Observatory
of Columbia University
Palisades, New York 10964
February 1986

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AGULHAS RETROFLECTION CRUISE

November - December 1983

Hydrographic (CTD) Data

Dennis B. Camp
William E. Haines
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Sarah E. Rennie
Arnold L. Gordon

Technical report

LDGO-86-1

Prepared under Contract N00014-84-c-0132 Sc 00
Office of Naval Research
Arnold L. Gordon, Principal Investigator

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Lamont-Doherty Geological Observatory
of Columbia University

Palisades, New York 10964
February 1986

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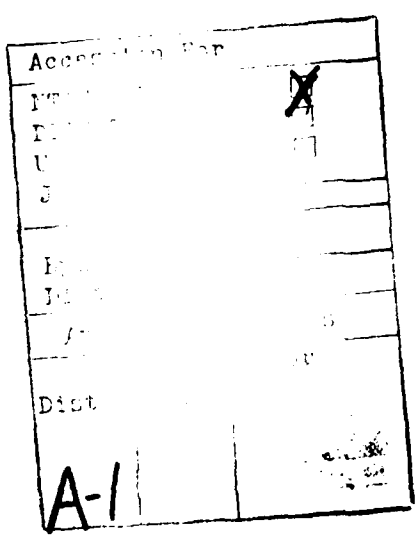
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Abstract

During November and December 1983, scientists aboard the R/V Knorr studied circulation and stratification of the Agulhas Current off South Africa. Eighty five stations were occupied. The hydrographic and nutrient data from those stations appear in this report as listings and plots. Also, processing methods are explained.

Introduction

This report presents the hydrographic data collected in November and December 1983 on board R/V KNORR as part of the Agulhas Retroflection Cruise (ARC) (KNORR cruise 104 leg 5).

Eighty-five stations were occupied, as shown in Table I. A cruise track appears in this report after the figures. The data collection system consisted of a modified Neil Brown Instrument Systems, Inc. CTD-02 combined with a 24 position 10 liter rosette sampler. The instruments and data acquisition system were provided by the Physical and Chemical Oceanographic Data Facility (PACODF) of Scripps Institute of Oceanography. A combined team of PACODF and Lamont personnel carried out the at-sea data collection. Subsequent data treatment has been done at Lamont.

The objectives of ARC were:

1) to resolve the thermohaline structure at the retroflection of the Agulhas Current;
2) to investigate possible eddy shedding;
3) to determine if there is significant "leakage" of Indian Ocean water into the Atlantic; and
4) to observe the characteristics of the winter cooled Indian Ocean water within the Agulhas Extension and associated ventilation of the Indian Ocean Thermocline.

Water samples obtained from the rosette were analysed for a variety of constituents. The analyses are summarized in Table II.

Data Treatment

A. CTD Sensor Corrections

The PACODF CTD used had been modified slightly, so several corrections have been applied in addition to the usual corrections for temperature-conductivity time constant mismatch:

1) The temperature correction circuitry for the pressure sensor was disabled, requiring a lagged temperature calculation and application of a temperature sensitivity correction to the pressure of the form

$$P = P + 0.56T$$

where T is a lagged temperature. This dependence was determined from laboratory measurements of the temperature dependence of measured CTD pressure done at PACODF.

2) PACODF recommends the use of a lagged temperature in the calculation of oxygen from the polarimetric oxygen sensor, and so the oxygen sensor temperature was not recorded. Instead, laboratory measurements of the oxygen sensor temperature time

constant were used to calculate a lagged temperature for use in the oxygen calculation.

3) The time constant mismatch between temperature and conductivity was corrected by applying a phase lagging filter to the conductivity signal of the form

$$CO_i = (1-a)CO_i + aCO_{i-1}$$
where $a = \exp(-1/t)$

A similar technique was used to calculate lagged temperatures for pressure and oxygen. For conductivity, the filter parameter t was estimated by first computing the coherence and phase between temperature and computed salinity for a range of t, then choosing t to minimize the phase difference at high frequencies. While not all salinity spikes can be eliminated by this technique, the appropriate choice of t minimizes the spiking over the range of depths and gradients measured.

B. Decimation

The raw data was reduced to 1 decibar levels by first smoothing the data with a Gaussian filter (21 weights) and then retrieving values closest to the desired level. This technique results in a maximum uncertainty in represented level of +0.5 dbars, though typically the selected values are within 0.1 dbars of the desired level. A first difference edit is performed during the process to correct gross errors in the data prior to smoothing.

C. Calibration

Laboratory calibrations from PACODF were used to correct the pressure and temperature. Water sample analyses of salinity and dissolved oxygen concentration served as standards for the correction of CTD conductivity and calculated dissolved oxygen.

For conductivity, the rosette salinity values were used to compute the corresponding conductivity (using corrected CTD pressure and temperature) which was then compared to the conductivity measured by the CTD. Least squares fit techniques were applied to derive a correction equation for the CTD. (See figures I and II).

Processing of CTD oxygen was more complicated.

During the cruise, 1204 bottle oxygen samples were collected during uptraces of CTD casts. A file of 1204 corresponding downtrace CTD scans was formed: the downtrace scan with a water density equal or closest to the density of the water where the corresponding bottle sample was collected was extracted and entered into the file. The extracted scans contained pressure, temperature, salinity, oxygen current and estimated oxygen temperature from the CTD and oxygen from the bottle. These values were substituted into the following formula:

$$\text{oxygen} = S_{oc} * oc * OXSAT(T,s) * \exp[(tcor/T_o) + pcor * p + ptcor * p * T_o]$$

where

S_{oc}	oxygen current slope
oc	CTD oxygen current
OXSAT(T,s)	oxygen saturation value after Weiss (1970)
tcor	temperature correction factor for membrane permeability
T_o	estimated CTD oxygen probe internal temperature based on lagged CTD temperature (see item 2 in Data Treatment section)
pcor	pressure correction factor for membrane permeability
p	CTD pressure
ptcor	correction factor due to product of pressure and temperature for membrane permeability.

Multiple linear regression techniques found the values for pcor, tcor, ptcor and S_{oc} for which a best fit was obtained.

After using the formula to compute CTD oxygen for all the CTD data, it was discovered that the oxygen sensor did not behave consistently during the cruise, especially at great pressures. Therefore, the file of extracted scans was divided into groups of stations using time and depth of cast as criteria and run through multiple linear regression until a best fit to the formula for each group was obtained. A third order polynomial fit for pressure for each station was also applied. See figure III for a plot of pressure vs. delta oxygen (CTD-bottle). In this report, any graph with CTD oxygen plotted also has bottle oxygen plotted.

Surface corrections

During processing of ARC CTD data it was discovered that a salinity-temperature mismatch occurred at the surface. The pressure where the package reached equilibrium (the first "good" scan) was found and was extrapolated to the surface.

In the following table, ST = station and PO = pressure where first "good" scan was found.

ST	PO	ST	PO	ST	PO	ST	PO
01	07	30	10	47	04	67	12
05	03	31	04	49	06	69	06
06	05	32	05	50	08	70	12
08	07	33	03	52	04	71	06
10	07	34	08	53	03	72	09
12	05	35	09	54	03	73	09
13	03	36	12	55	08	74	07
15	04	37	06	56	05	75	09
19	07	39	17	57	10	76	06
22	03	41	05	60	04	80	08
23	03	42	11	61	11	82	04
25	04	43	08	62	04	84	06
26	07	44	05	64	11	85	06
27	13	45	08	65	14		
29	11	46	05	66	10		

DATA REPORT FORMAT

Data for each station is presented in tabular form, followed by a set of 3 graphs. The chemistry data is tabulated with the CTD data. Individual plots of the chemistry data are not presented, but group plots can be found at the end of the report for selected parameters.

Data Listings

Each listing is preceded by header information:

Line 1: SHIP - a 2 letter ship identifier (KN = KNORR)
CRUISE - institutional cruise identifier
STATION - sequential station number
CAST - cast number within station, followed by DT for downtrace.

Line 2: Position at start of station (Lat, Long), time at start of station (GMT) and date (YR/MO/DA)

Line 3: Position at end of station (Lat, Long), time at end of station (GMT).

Column identifiers (CTD standard levels):

PR	Pressure (decibars)
TE	in situ temperature (^{o}C)
PT	potential temperature (^{o}C)
SA	Salinity (PSU)
OX	Dissolved Oxygen (ml/l)
OS	per cent oxygen saturation
S0-S4	Potential density anomaly for a reference pressure of 0, 1000, ... 4000 decibars
AN	specific volume anomaly ($cm^3/g \times 10^5$)
HZ	Dynamic depth anomaly (dyn m)
BV	Brunt-Vaisala frequency (hr^{-1})
DE	depth (m)

The CTD standard level listing is followed by a tabulation of chemistry and associated CTD values for each of the bottles sampled:

PR	CTD pressure
TE	CTD temperature
PT	Potential temp. (computed using rosette salinity rather than CTD salinity)
SA	Salinity (from rosette samples)
O2	Dissolved oxygen (rosette)
SI	Silicate
PO	Phosphate
N3	Nitrate (all nutrients are ug-at/l)
N2	Nitrite
NH4	Ammonia
S0-S4	Potential density anomaly
DE	Depth

Explanation of bad points or lack of data:

There are a few stations where values of -9.0 are shown for CTD oxygen and per cent oxygen saturation. These values signify lack of good data.

There are stations where the value of Brunt-Vaisala is -9.99 at the end of the the cast. This is because the difference between the pressure at that end level and the level preceeding it (dPR) is less than 5 db. Using our scheme for calculating Brunt-Vaisala, if dPR is less than 5 db, then Brunt-Vaisala is invalid.

In the bottle listings below the CTD listings, lack of data is represented by blanks.

Methods of deriving depth:

In the CTD listings, depth in meters is derived according to Saunders and Fofonoff (1976). In the bottle listings, depth is derived according to Saunders (1981) where dynamic depth anomaly is ignored.

References

Saunders, P. M., Fofonoff, N. P., 1976: Conversion of pressure to depth in the ocean. Deep-Sea Res., 23, 109-111.

Saunders, P. M., 1981: Practical conversion of pressure to depth. J. Phys. Oceanogr., 11, 573-574.

Weiss, R. F., 1970: The solubility of nitrogen, oxygen and argon in water and seawater. Deep-Sea Res., 17, 721-735

Acknowledgments

The hard work and attention to detail of all cruise participants is gratefully acknowledged. The members of this able team are listed in Table III. In particular, D. Muus and C. Mattson of PACODF are thanked for their diligence and patience in supporting the vast array of gear and in training other members of the party in its proper use.

The officers and crew of the R/V KNORR provided much appreciated support throughout the cruise.

This work is supported by the Office of Naval Research through contract N00014-84-C-0132 to Columbia University. Arnold L. Gordon is the principal investigator for scope 00 which supports this project.

Table I

Station information

The following listing contains:

St	Station
Date	Date at start of station.
Time	Time at start of station.
Latitude	Latitude at start of station. Degrees and decimal minutes. All stations have south latitude.
Longitude	Longitude at start of station. Degrees and decimal minutes. All stations have east longitude.
Depth	Depth of water column (meters).
Wind dir.	Direction in degrees. 360=north.
Wind speed	Meters/second.

	Start					Wind	
St	Date	Time	Latitude	Longitude	Depth	Dir	Speed
01	83 11 13	737	33 51.88	14 59.47	4288	170	1.5
02	83 11 15	103	34 10.18	17 19.73	2251	180	9.8
03	83 11 15	826	34 39.20	16 42.77	3617	160	6.7
04	83 11 15	1452	35 7.72	16 8.75	4468	200	6.7
05	83 11 16	15	35 36.13	15 34.27	4769	230	3.6
06	83 11 16	621	36 5.18	14 59.24	4908	290	9.3
07	83 11 16	1314	36 32.67	14 24.16	5002	310	8.7
08	83 11 16	2235	37 1.02	13 48.54	5002	200	7.7
09	83 11 17	732	36 .06	13 46.83	4964	200	5.1
10	83 11 17	1534	36 .65	14 38.15	4945	250	2.8
11	83 11 17	2155	36 .10	15 27.70	4842	050	2.6
12	83 11 18	108	35 39.22	15 28.13	4803	090	2.6
13	83 11 18	858	35 54.94	16 12.57	4562	350	2.6
14	83 11 18	1651	35 59.21	17 6.94	4307	calm	
15	83 11 18	2335	35 59.94	18 .14	3303	130	6.2
16	83 11 19	735	35 59.76	19 .01	2849	170	7.7
17	83 11 19	1428	36 .64	19 59.05	181	160	7.2
18	83 11 20	134	36 59.21	18 37.15	4385	120	15.4
19	83 11 20	1657	38 .62	17 .16	4735	120	4.6
20	83 11 21	218	38 5.72	15 59.44	4908	180	4.1
21	83 11 21	908	38 11.87	14 59.98	3702	070	3.6
22	83 11 21	1615	38 18.45	14 .39	5097	310	3.9
23	83 11 21	2250	38 24.09	12 59.67	5201	010	7.7
24	83 11 22	1020	38 33.19	14 29.85	4798	340	6.2
25	83 11 22	1940	38 39.10	15 31.41	4876	200	9.3
26	83 11 23	223	38 45.94	16 30.26	4955	230	10.3
27	83 11 23	844	38 51.00	17 30.83	4960	280	18.0
28	83 11 23	1825	38 57.59	18 30.44	5086	280	14.9
29	83 11 24	10	39 3.22	18 5.72	5002	310	15.4
30	83 11 25	223	39 14.15	17 43.28	5126	230	15.4
31	83 11 25	552	39 15.25	17 30.72	5097	230	12.9
32	83 11 25	845	39 14.57	17 18.29	4938	250	10.3
33	83 11 25	1333	39 14.76	16 51.78	5024	240	11.8
34	83 11 25	1847	39 15.78	17 44.73	5108	250	11.3
35	83 11 25	2208	39 15.41	18 11.93	5060	220	11.3
36	83 11 26	145	39 16.03	18 37.17	4885	260	8.2

	Start					Wind	
St	Date	Time	Latitude	Longitude	Depth	Dir	Speed
37	83 11 26	837	39 59.94	19 14.90	5055	280	12.9
38	83 11 26	1837	41 .27	20 6.83	5083	270	12.9
39	83 11 27	602	41 59.96	20 59.74	5397	130	14.4
40	83 11 27	1334	41 20.04	20 59.62	5222	240	9.8
41	83 11 27	1953	40 39.92	20 57.48	5026	170	6.7
42	83 11 28	304	40 .57	21 .69	5232	020	7.7
43	83 11 28	1328	39 20.40	20 59.64	5367	070	4.1
44	83 11 28	2145	38 39.92	21 1.26	5372	090	4.1
45	83 11 29	645	38 .33	20 59.22	4930	170	1.0
46	83 11 29	1712	37 20.45	21 .01	4230	170	3.6
47	83 11 30	110	36 39.89	21 .16	196	170	5.1
48	83 11 30	1615	35 .06	22 59.97	201	100	7.2
49	83 11 30	2203	35 34.83	23 23.64	1932	030	3.1
50	83 12 01	452	36 10.09	23 47.62	3508	030	4.1
51	83 12 01	1149	36 44.32	24 14.28	5090	360	6.7
52	83 12 01	2043	37 19.22	24 40.22	3957	300	7.7
53	83 12 02	358	37 54.32	25 4.67	3957	200	17.0
54	83 12 02	1240	38 28.71	25 27.55	3555	250	12.9
55	83 12 03	5	39 9.58	25 39.51	2810	270	12.9
56	83 13 03	1447	40 10.11	25 40.64	2494	270	13.4
57	83 12 04	54	41 9.96	25 39.62	3078	230	11.8
58	83 12 04	928	42 .60	25 40.47	3795	290	10.3
59	83 12 05	229	40 30.89	24 27.02	3895	310	10.3
60	83 12 05	1120	39 29.91	23 43.10	5527	290	12.9
61	83 12 05	1923	38 30.29	22 59.66	5702	220	8.7
62	83 12 06	30	38 29.99	22 21.45	5267	190	7.7
63	83 12 06	513	38 30.41	21 43.93	5047	100	7.7
64	83 12 06	954	38 30.50	21 3.32	5427	no observation	
65	83 12 06	1508	38 32.12	20 24.05	5627	230	7.7
66	83 12 06	1907	38 28.97	19 48.12	5389	230	6.7
67	83 12 06	2324	38 30.17	19 10.55	4989	350	9.3
68	83 12 07	414	38 29.95	18 32.68	4937	260	10.3
69	83 12 07	1010	38 29.62	17 54.62	4897	270	6.7
70	83 12 07	1532	38 23.67	17 16.74	4876	250	9.3
71	83 12 07	2020	38 16.96	16 39.93	4852	250	8.2
72	83 12 08	54	38 10.75	16 2.37	4897	260	9.3
73	83 12 08	510	38 4.57	15 24.87	4981	260	12.9
74	83 12 08	1500	37 2.63	14 40.63	5047	350	9.8
75	83 12 08	1956	36 28.71	14 26.04	4999	200	4.1
76	83 12 09	43	35 59.90	14 15.30	4941	190	2.6
77	83 12 09	554	35 30.57	14 4.25	4886	calm	
78	83 12 09	1108	34 59.72	13 52.81	4804	270	3.6
79	83 12 09	1546	34 37.17	13 43.41	4689	270	4.1
80	83 12 09	2117	33 59.21	13 30.60	4568	260	4.1
81	83 12 10	231	33 59.98	14 6.80	4531	010	3.1
82	83 12 10	658	33 59.97	14 42.34	4436	310	4.1
83	83 12 10	1110	34 .18	15 18.14	4259	290	3.1
84	83 12 10	1547	34 .00	15 54.50	3970	260	4.1
85	83 12 10	2053	34 .93	16 30.06	3179	260	3.6

Table II

Water sample analyses

Parameter	Technique
Salinity	Conductivity ratio, Guildline 8400A salinometer (standard water batch P-92)
Dissolved Oxygen	Modified Winkler titration
Phosphate, Nitrate Ammonia	Autoanalizer, on board ship
Silicate, Nitrite	Autoanalizer, frozen for analysis on land
Chlorophyll	Fluorescence of extracted chlorophyll (not reported)
Freon Tritium-helium Trace metals	Not reported

Table III
Participants in R/V KNORR Cruise 104-5
Agulhas Regroflection Cruise
ARC

Name	Affiliation	Responsibilities
1. Arnold L. Gordon	Lamont-Doherty	Chief Scientist
2. David A. Muus	SIO-PACODF	Supervision of and training for use of PACODF equipment, and maintaining data quality; hydro watch stander
3. Carl W. Mattson	SIO-PACODF	Maintenance of PACODF equipment; hydro watch stander
4. Sarah E. Rennie	Lamont-Doherty	Applied mathematician
5. Frank Aikman III	Lamont-Doherty	Oceanography grad. student; hydro watch stander
6. Cheryl L. Greengrove	Lamont-Doherty	Oceanography grad student; hydro watch stander
7. Gregory A. Gove	Lamont-Doherty	Oxygen chemist
8. Miguel A. Maccio	Lamont-Doherty	Electronic technician, hydro watch stander
9. Peter F. Watson	Lamont-Doherty	Hydro watch stander
10. Leonard A. Boutin	WHOI	Shear probe expert
11. Rana Fine	U of Miami	Freon chemist
12. Mark Warner	SIO	Oceanography grad student; freon chemist
13. Wilhelmus P. de Ruijter	Rijkwaterstaat, The Hage, Holland	Resident theoretician; valued sounding sounding board; hydro watch stander

Name	Affiliation	Responsibilities
14. Paul E. Hargraves	URI	The phytoplankton man
15. Dean A. Stockwell	URI	Another phytoplankton man
16. Johann R. Lutjeharms	NRIO/CSIR Stellenbosch, S. A.	Receiver of IR data; hydro watch stander
17. Piers. Chapman	Research Institute for Sea Fisheries Capetown, S. A.	Nutrient Chemist
18. Alex H. Fricke	NRIO/CSIR c/o Dept. Physical Oceanography University of Capetown Capetown, S. A.	Collector of Trace Metal samples for H. Hennig same affiliation)· hydro watch stander
19. Chris M. Duncombe-Rae	Dept. of Zoology-Entomology University of Rhodes Grahamstown, S. A.	Chlorophyll determination for B. Allanson (same affiliation)
20. Ronald W. Abrams	P. Fitzpatrick Institute for African Ornithology c/o Dept. of Zoology University of Capetown Capetown, S. A.	Graduate student of ornithology
21. James Enticott	P. Fitzpatrick Institute for African Ornithology c/o Dept. of Zoology University of Capetown Capetown, S. A.	Graduate student of Ornithology

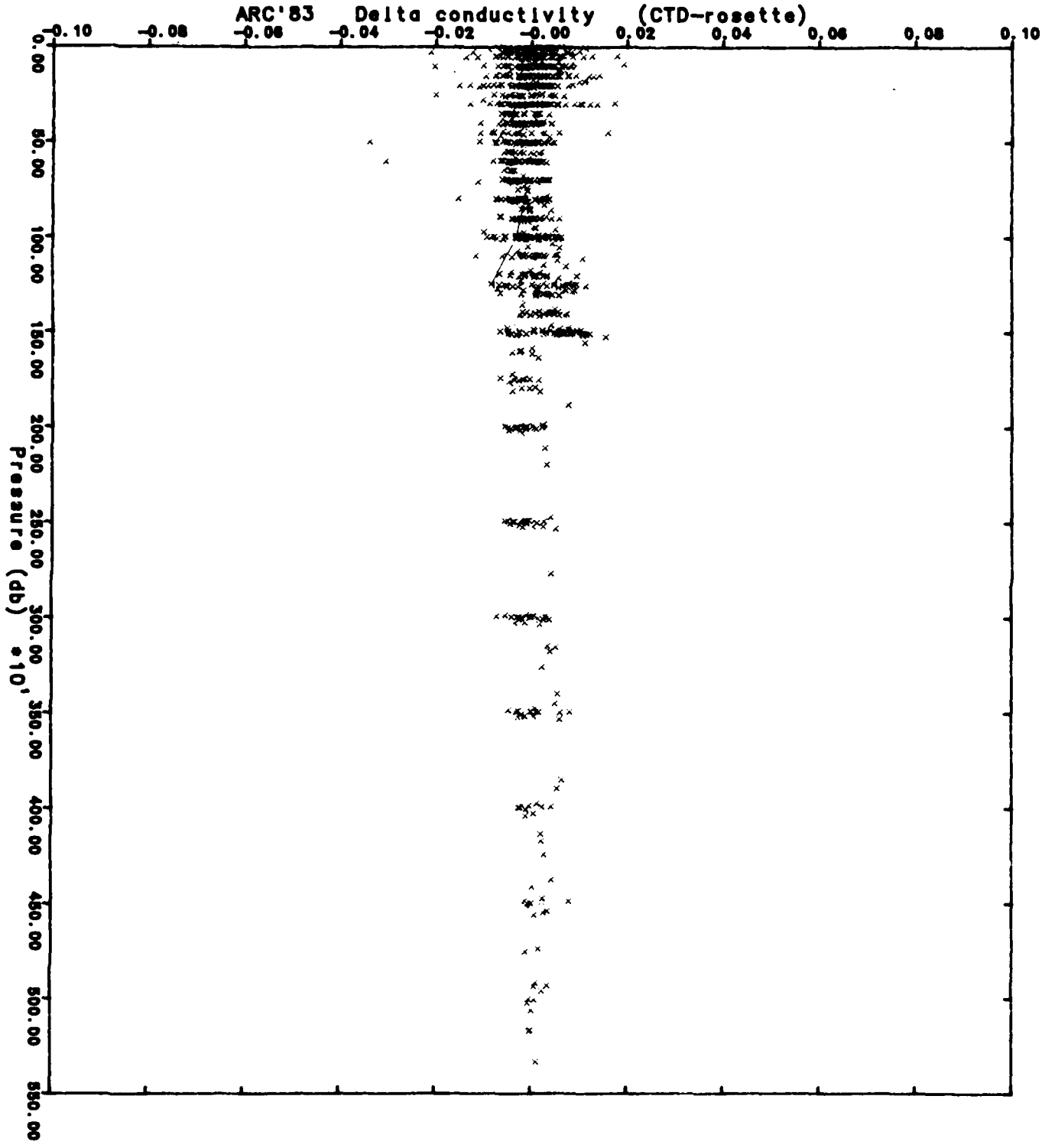

ARC'83 Delta conductivity (CTD-rosette)
-0.10
-0.08
-0.06
-0.04
-0.02
-0.00
0.02
0.04
0.06
0.08
0.10
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
400.00
450.00
500.00
550.00
Pressure (db) *10'

Figure 1

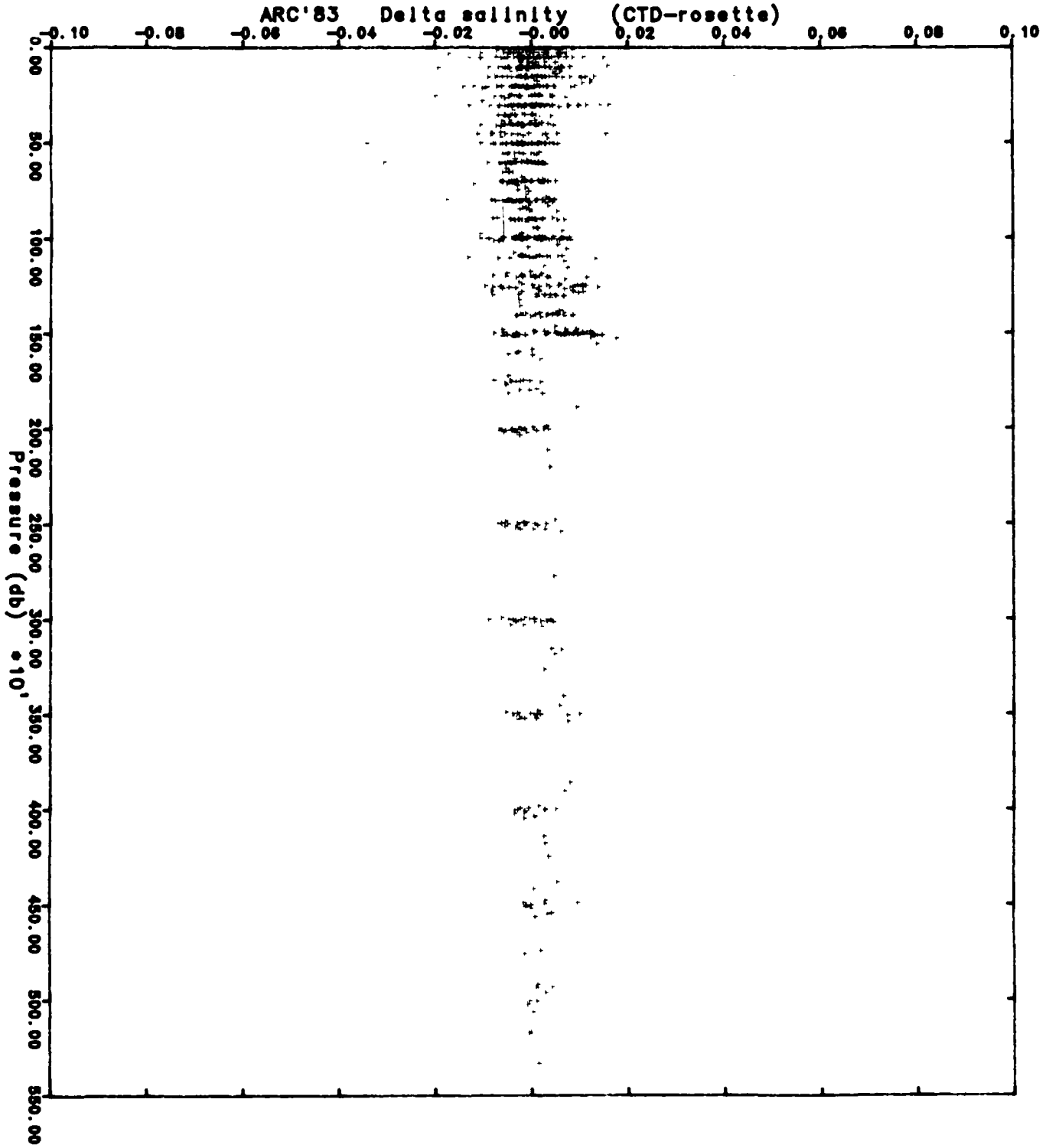

ARC'83 Delta salinity (CTD-rosette)
-0.10
-0.08
-0.06
-0.04
-0.02
-0.00
0.02
0.04
0.06
0.08
0.10
0.00
50.00
100.00
150.00
200.00
250.00
300.00
350.00
400.00
450.00
500.00
550.00
Pressure (db) *10'

Figure 11

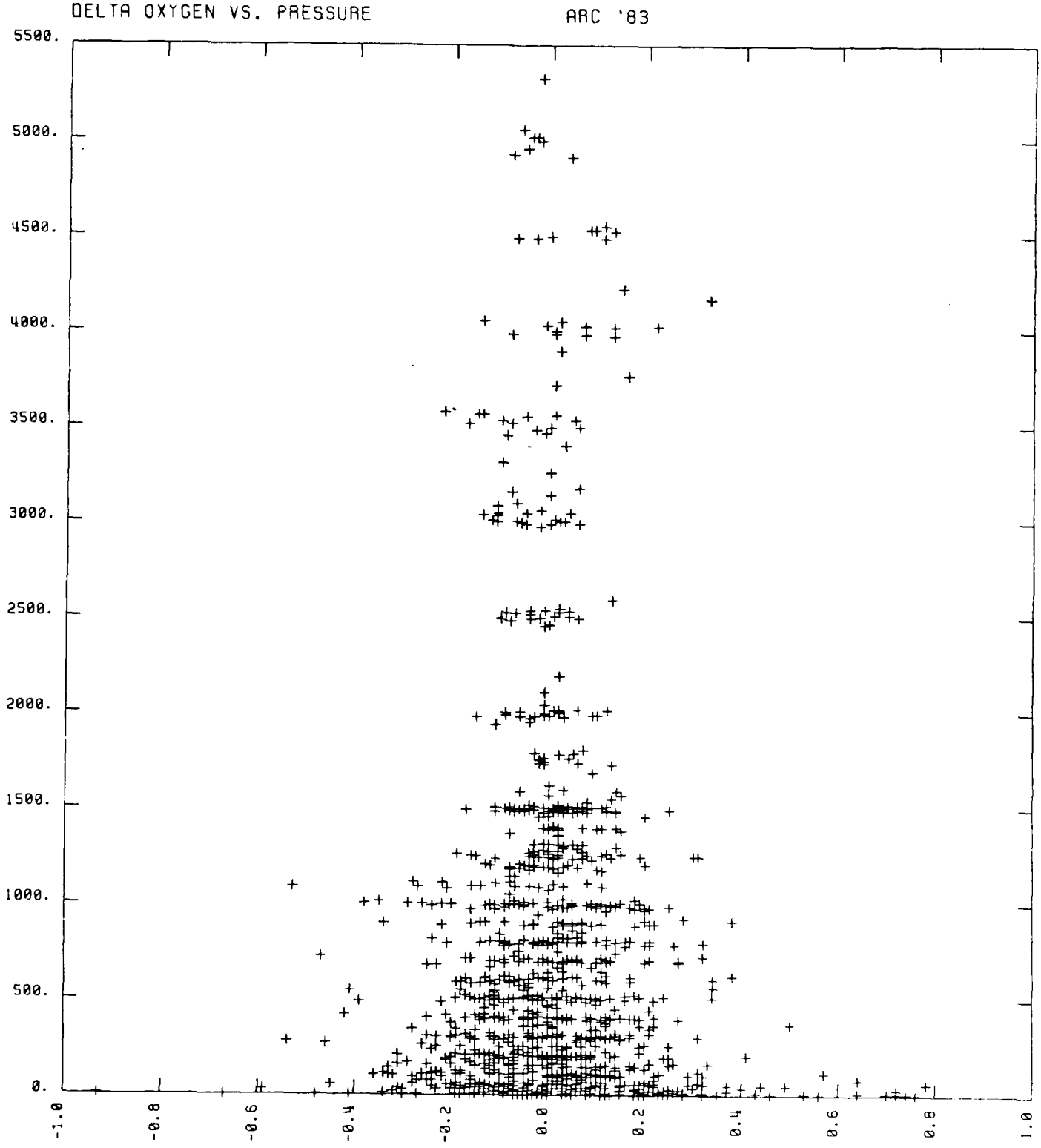
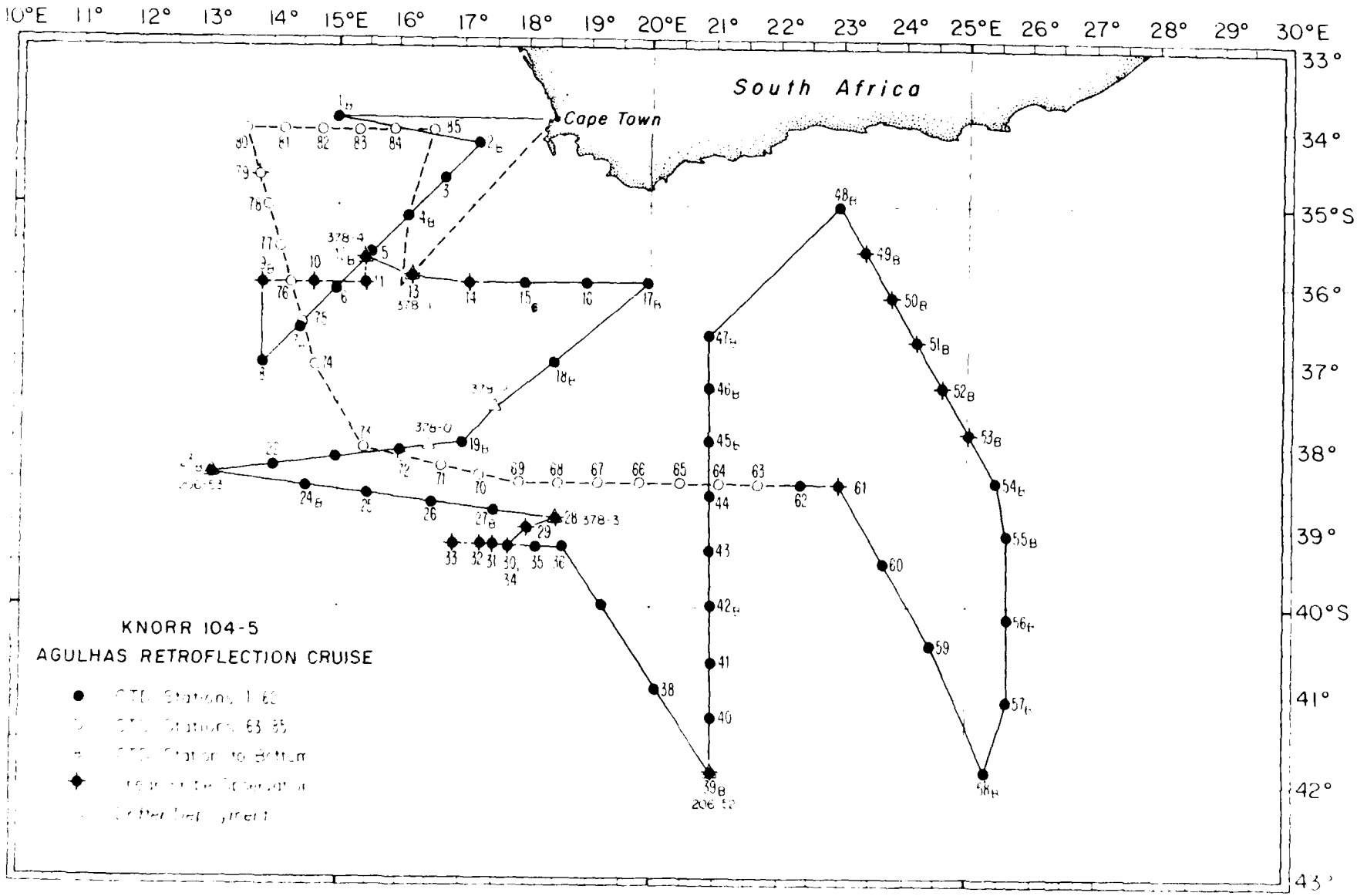

DELTA OXYGEN VS. PRESSURE
ARC '83
5500.
5000.
4500.
4000.
3500.
3000.
2500.
2000.
1500.
1000.
500.
0.
-1.0
-0.8
-0.6
-0.4
-0.2
0.0
0.2
0.4
0.6
0.8
1.0

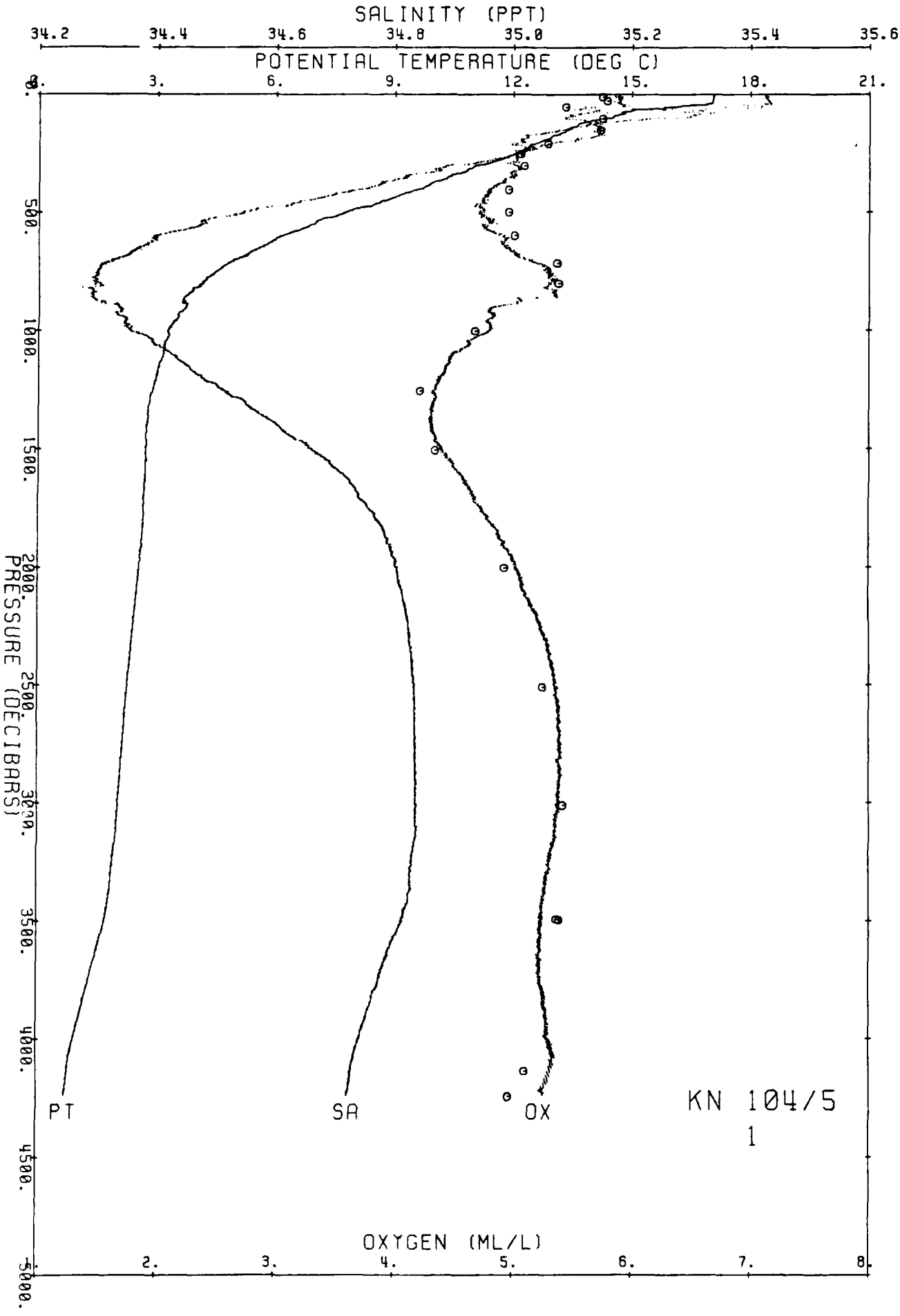
Figure III

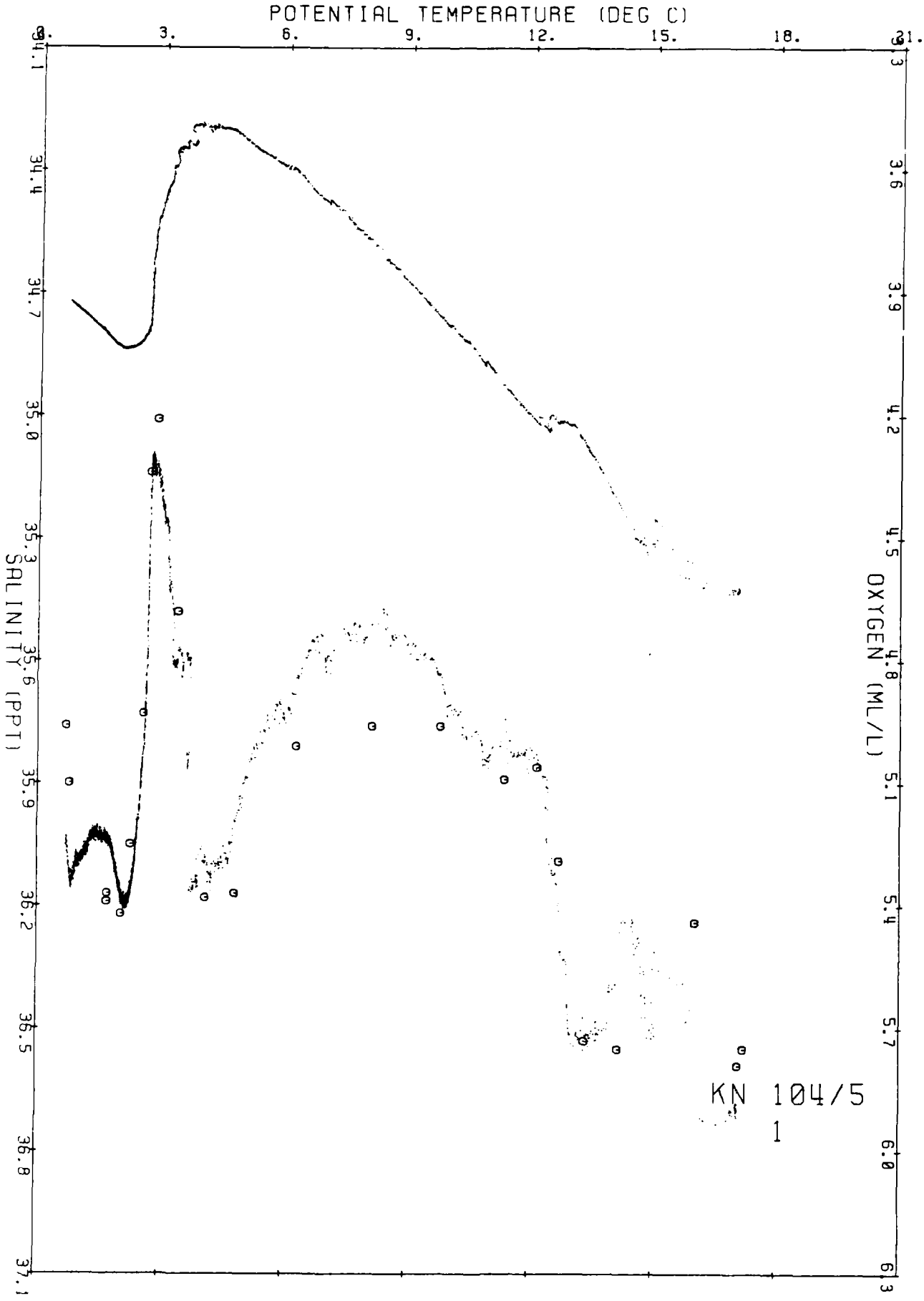

10°E 11° 12° 13° 14° 15°E 16° 17° 18° 19° 20°E 21° 22° 23° 24° 25°E 26° 27° 28° 29° 30°E
33°
34°
35°S
36°
37°
38°
39°
40°S
41°
42°
South Africa
Cape Town
KNORR 104-5
AGULHAS RETROFLECTION CRUISE

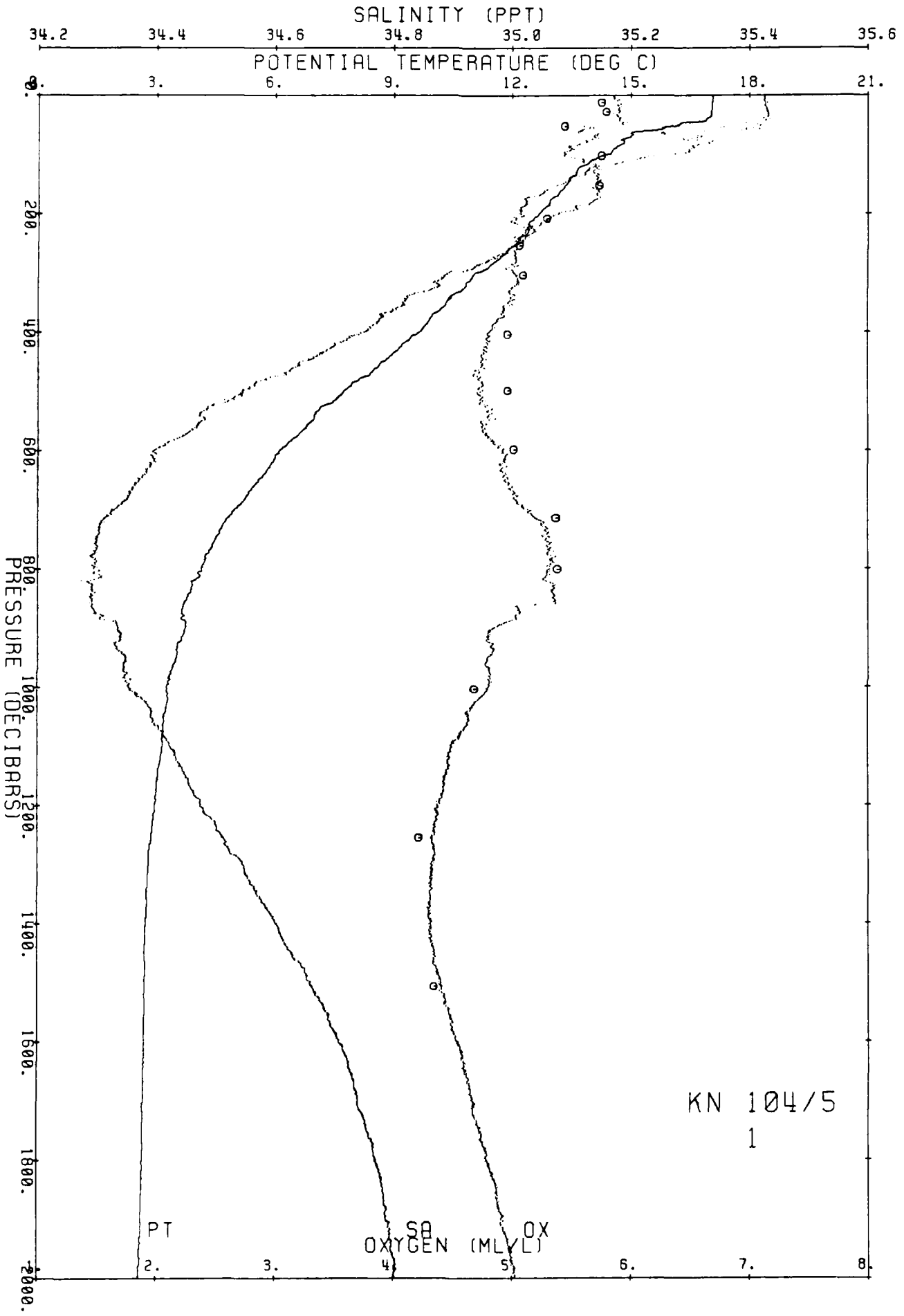
Ship KN Cruise 1045 Station 1 Cast 1 DT
Start 33 51.88 S 14 59.47 E at 737 83/11/13
End 33 52.42 S 15 .58 E at 1133

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	17.070	17.070	35.426	5.9	107.5	25.826	30.142	34.364	38.494	42.534	216.3	0.00	0.00	0.0
10	17.065	17.064	35.425	5.9	108.0	25.826	30.143	34.365	38.495	42.535	216.5	.02	.47	10.0
20	17.049	17.046	35.420	5.9	108.3	25.827	30.144	34.366	38.496	42.537	216.9	.04	.40	19.9
30	17.043	17.038	35.432	5.9	108.2	25.838	30.155	34.377	38.507	42.548	216.2	.06	1.86	29.9
40	16.915	16.908	35.434	5.9	108.2	25.870	30.190	34.414	38.546	42.589	213.4	.09	3.19	39.9
50	16.188	16.180	35.419	5.9	106.8	26.030	30.362	34.599	38.742	42.796	198.6	.11	7.08	49.8
60	15.439	15.430	35.323	5.6	99.1	26.126	30.472	34.723	38.880	42.946	189.7	.13	5.53	59.8
70	15.003	14.993	35.318	5.7	100.2	26.220	30.574	34.832	38.996	43.070	181.1	.14	5.42	69.8
80	14.831	14.819	35.331	5.6	98.3	26.268	30.625	34.886	39.053	43.130	176.8	.16	3.90	79.7
90	14.588	14.575	35.302	5.5	96.1	26.298	30.660	34.926	39.097	43.178	174.2	.18	3.12	89.7
100	14.347	14.332	35.254	5.4	94.5	26.314	30.680	34.950	39.127	43.212	173.0	.20	2.21	99.6
120	13.735	13.718	35.139	5.7	97.8	26.354	30.733	35.015	39.203	43.299	169.7	.23	2.57	119.5
140	13.485	13.466	35.096	5.7	97.5	26.373	30.757	35.044	39.237	43.338	168.4	.27	1.75	139.5
160	13.270	13.248	35.058	5.7	97.3	26.388	30.777	35.068	39.265	43.370	167.5	.30	1.57	159.4
180	12.970	12.945	35.023	5.7	95.6	26.422	30.817	35.114	39.317	43.427	164.8	.33	2.34	179.3
200	12.689	12.662	35.015	5.4	90.3	26.473	30.873	35.176	39.383	43.499	160.5	.37	2.83	199.2
220	12.484	12.455	35.033	5.2	87.3	26.527	30.932	35.238	39.450	43.569	155.8	.40	2.95	219.1
240	12.189	12.158	35.002	5.1	84.7	26.561	30.971	35.284	39.501	43.626	153.0	.43	2.34	239.0
260	11.941	11.908	34.994	5.0	83.1	26.603	31.018	35.335	39.558	43.687	149.5	.46	2.59	258.9
280	11.616	11.580	34.957	5.0	82.5	26.636	31.058	35.382	39.611	43.746	146.7	.49	2.34	278.8
300	11.088	11.051	34.893	5.0	81.2	26.683	31.117	35.452	39.691	43.837	142.4	.52	2.83	298.7
320	10.878	10.839	34.877	5.0	81.3	26.709	31.147	35.487	39.730	43.880	140.3	.54	2.07	318.5
340	10.479	10.439	34.822	5.0	79.7	26.737	31.184	35.532	39.784	43.942	137.8	.57	2.20	338.4
360	10.261	10.218	34.803	4.9	78.4	26.761	31.213	35.565	39.822	43.984	135.9	.60	1.99	358.3
380	9.940	9.896	34.776	4.9	76.9	26.795	31.254	35.614	39.877	44.045	132.9	.63	2.40	378.2
400	9.702	9.657	34.750	4.8	75.4	26.815	31.279	35.644	39.912	44.086	131.3	.65	1.86	398.1
450	8.765	8.716	34.641	4.7	72.9	26.882	31.368	35.754	40.042	44.235	125.1	.72	2.19	447.8
500	7.786	7.736	34.545	4.7	71.1	26.956	31.465	35.873	40.182	44.396	118.1	.78	2.30	497.4
550	6.975	6.923	34.475	4.7	69.8	27.016	31.544	35.971	40.300	44.531	112.3	.84	2.10	547.1
600	6.169	6.116	34.396	4.9	71.1	27.061	31.609	36.056	40.403	44.653	107.7	.89	1.88	596.7
650	5.645	5.590	34.371	4.9	70.4	27.107	31.668	36.128	40.487	44.749	103.3	.94	1.84	646.4
700	5.043	4.986	34.329	5.1	72.2	27.145	31.722	36.196	40.570	44.846	99.4	.99	1.74	696.0
750	4.546	4.488	34.300	5.3	73.4	27.178	31.768	36.255	40.641	44.929	95.9	1.04	1.62	745.6
800	4.189	4.129	34.299	5.3	73.2	27.215	31.814	36.311	40.706	45.002	92.3	1.09	1.67	795.2
900	3.795	3.729	34.336	4.8	66.1	27.286	31.895	36.401	40.806	45.111	85.8	1.18	1.57	894.3
1000	3.339	3.269	34.354	4.8	64.8	27.345	31.966	36.484	40.900	45.216	80.0	1.26	1.48	993.4
1100	3.238	3.161	34.423	4.5	60.3	27.410	32.033	36.554	40.972	45.290	74.4	1.34	1.45	1092.4
1200	3.052	2.968	34.475	4.4	58.6	27.469	32.098	36.622	41.045	45.368	69.1	1.41	1.42	1191.4
1300	2.903	2.813	34.546	4.3	57.6	27.540	32.172	36.700	41.126	45.452	62.8	1.48	1.53	1290.3
1400	2.842	2.744	34.603	4.3	57.5	27.591	32.225	36.754	41.182	45.509	58.5	1.54	1.29	1389.2
1500	2.827	2.721	34.659	4.4	58.7	27.638	32.272	36.802	41.229	45.557	54.8	1.59	1.21	1488.0
1600	2.809	2.695	34.708	4.5	60.6	27.680	32.314	36.844	41.272	45.599	51.6	1.65	1.14	1586.8
1700	2.803	2.681	34.740	4.7	62.3	27.707	32.341	36.871	41.299	45.626	49.8	1.70	.92	1685.5
1800	2.796	2.665	34.771	4.8	63.9	27.733	32.367	36.897	41.325	45.653	48.0	1.75	.91	1784.1
1900	2.752	2.613	34.788	4.9	65.5	27.751	32.386	36.918	41.347	45.676	46.8	1.79	.80	1882.8
2000	2.716	2.568	34.803	5.0	66.8	27.767	32.403	36.936	41.366	45.696	45.8	1.84	.75	1981.3
2100	2.673	2.517	34.814	5.1	67.6	27.780	32.418	36.952	41.383	45.714	45.1	1.89	.70	2079.9
2200	2.612	2.448	34.821	5.2	69.2	27.791	32.431	36.967	41.400	45.733	44.3	1.93	.69	2178.4
2300	2.561	2.388	34.826	5.3	69.9	27.801	32.442	36.979	41.414	45.748	43.8	1.97	.63	2276.8
2400	2.517	2.336	34.829	5.3	70.6	27.807	32.450	36.989	41.425	45.760	43.5	2.02	.56	2375.2
2500	2.468	2.279	34.833	5.3	70.8	27.815	32.460	37.000	41.437	45.774	43.1	2.06	.60	2473.5
2600	2.422	2.224	34.835	5.4	71.2	27.822	32.467	37.009	41.448	45.786	42.8	2.10	.55	2571.8
2700	2.386	2.179	34.836	5.4	71.3	27.826	32.473	37.016	41.456	45.795	42.8	2.15	.49	2670.1
2800	2.346	2.130	34.836	5.4	71.3	27.830	32.479	37.023	41.464	45.805	42.7	2.19	.48	2768.3
2900	2.314	2.089	34.837	5.4	71.2	27.834	32.484	37.029	41.471	45.813	42.6	2.23	.48	2866.5
3000	2.274	2.040	34.835	5.4	70.9	27.837	32.488	37.034	41.478	45.821	42.7	2.28	.44	2964.6
3200	2.195	1.942	34.832	5.3	70.1	27.842	32.496	37.045	41.491	45.837	42.6	2.36	.46	3160.7
3400	2.084	1.813	34.825	5.3	68.8	27.846	32.504	37.057	41.506	45.855	42.3	2.45	.50	3356.7
3600	1.832	1.547	34.795	5.2	68.2	27.842	32.508	37.068	41.525	45.881	41.3	2.53	.58	3552.4
3800	1.532	1.234	34.767	5.3	68.1	27.842	32.517	37.086	41.552	45.916	39.3	2.61	.71	3748.0
4000	1.245	.933	34.743	5.3	68.1	27.844	32.527	37.105	41.579	45.951	37.1	2.69	.72	3943.4
4200	1.066	.738	34.725	5.2	66.9	27.842	32.531	37.114	41.594	45.971	35.9	2.76	.57	4138.7
4239	1.031	.699	34.722	5.2	66.7	27.842	32.532	37.116	41.597	45.975	35.6	2.77	.61	4176.7

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
12	17.202	17.200	35.464	5.75	2.8	0.35	0.9	0.02	0.33	25.824	30.138	34.357	38.485	42.522	11.9
28	17.070	17.065	35.462	5.79	2.6	0.30	0.7		0.20	25.854	30.171	34.393	38.522	42.562	27.8
52	16.022	16.014	35.323	5.44	4.2	0.38	3.2	0.38	0.38	25.994	30.330	34.570	38.717	42.774	51.4
102	14.170	14.155	35.232	5.75	3.5	0.47	4.5	0.36		26.334	30.704	34.978	39.157	43.246	101.0
152	13.361	13.340	35.092	5.73	3.4	0.53	5.8	0.13		26.396	30.783	35.072	39.267	43.370	150.9
208	12.727	12.699	35.033	5.29	4.3	0.72	9.2	0.13		26.479	30.879	35.181	39.388	43.502	206.0
253	12.189	12.156	35.027	5.06	4.9	0.94	11.6	0.11		26.581	30.991	35.303	39.520	43.645	251.0
304	11.402	11.364	34.937	5.09	5.3	1.04	13.6			26.660	31.087	35.416	39.649	43.788	301.0
404	9.842	9.795	34.770	4.96	7.7	1.40	18.4			26.808	31.269	35.630	39.895	44.066	400.6
499	8.185	8.133	34.597	4.96	11.4	1.74	23.3			26.938	31.437	35.836	40.137	44.342	494.8
598	6.339	6.285	34.421	5.01	14.2	2.28	27.8			27.059	31.603	36.045	40.388	44.634	593.2
715	4.861	4.804	34.314	5.37	18.9	2.43	30.3			27.154	31.735	36.215	40.593	44.873	708.1
801	4.146	4.086	34.287	5.38	24.2	2.52	31.4			27.210	31.811	36.308	40.704	45.001	793.3
1004	3.464	3.392	34.373	4.68	40.0	2.77	34.9			27.348	31.966	36.480	40.893	45.206	994.0
1255	2.964	2.876	34.521	4.21	53.0	2.97	35.1			27.514	32.145	36.671	41.096	45.421	1242.5
1507	2.815	2.708	34.663	4.34	56.2	2.80	34.1			27.642	32.276	36.806	41.234	45.562	1490.7
2005	2.713	2.565	34.808	4.93	49.8	2.38	29.1		0.33	27.771	32.408	36.940	41.371	45.701	1981.3
2512	2.465	2.274	34.844	5.25	50.3	2.25	27.7			27.825	32.469	37.009	41.447	45.784	2479.5
3012	2.283	2.047	34.849	5.42	51.6	2.15	27.1			27.847	32.498	37.044	41.487	45.830	2970.0
3495	1.975	1.697	34.826	5.37	63.6	2.27	28.7			27.856	32.517	37.073	41.526	45.877	3441.6
3498	1.970	1.691	34.823	5.39	60.9	2.33	27.8		0.44	27.854	32.515	37.071	41.524	45.876	3444.9
4140	1.085	0.762	34.738	5.10	86.5	2.72	33.3			27.851	32.539	37.121	41.600	45.977	4071.2
4246	1.020	0.688	34.732	4.96	82.9	2.83	33.0			27.850	32.541	37.126	41.606	45.985	4174.5


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
PRESSURE (DECIBARS)
PT
SA
OX
KN 104/5
1
OXYGEN (ML/L)
2.
3.
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8.

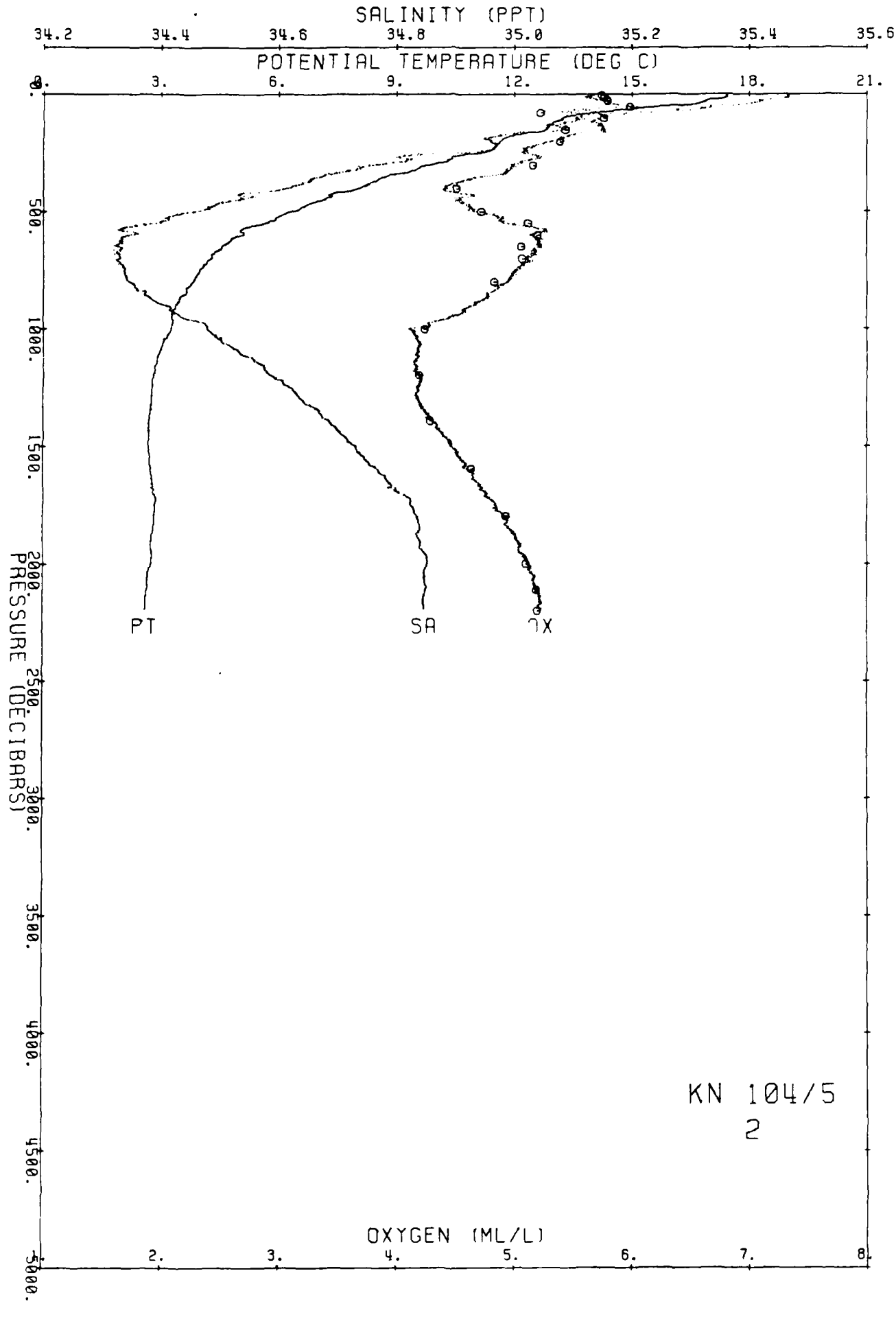

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
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34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
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KN 104/5
1

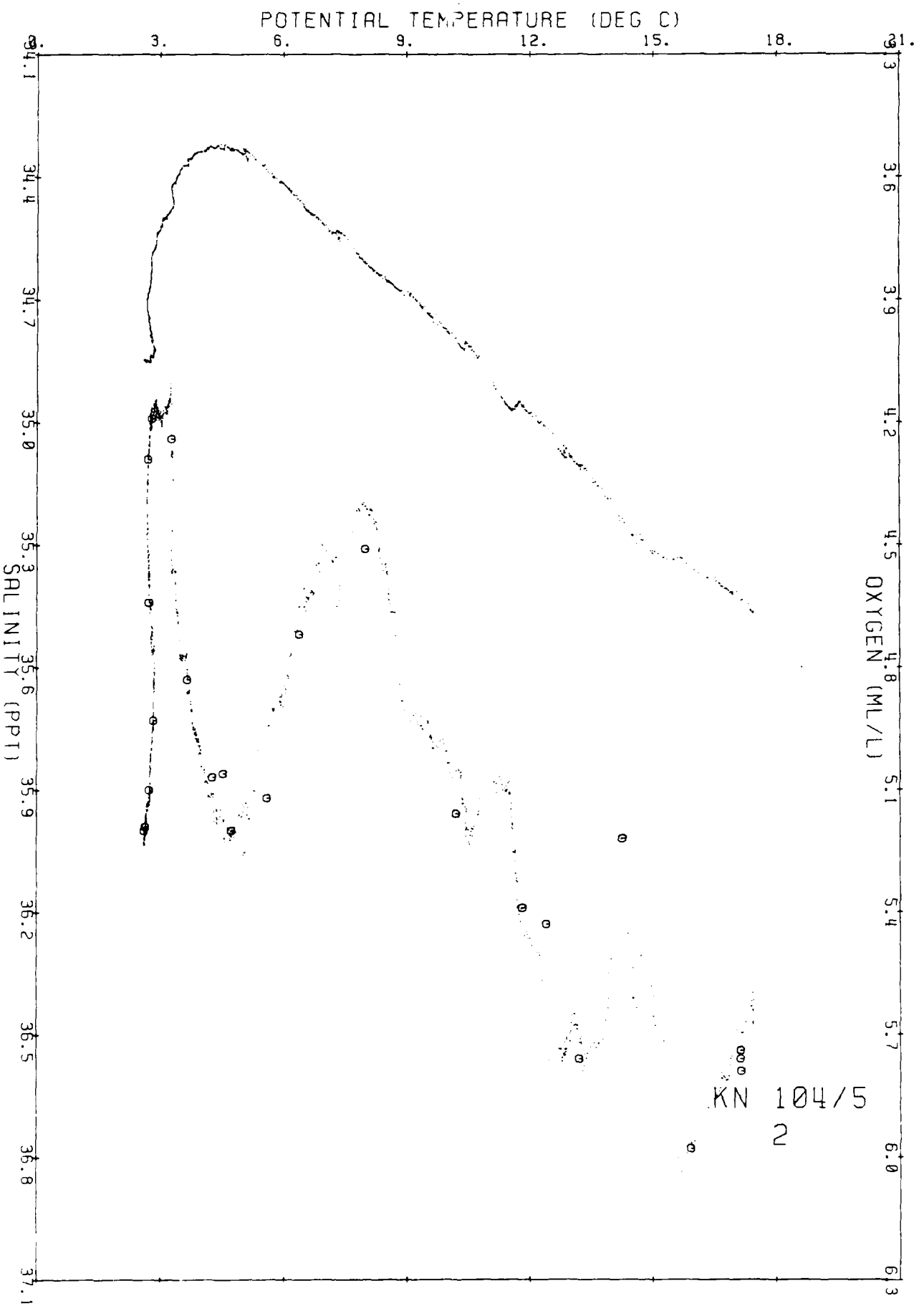

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
KN 104/5
1
PT
SA
OX
OXYGEN (ML/L)
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3.
4.
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6.
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8.

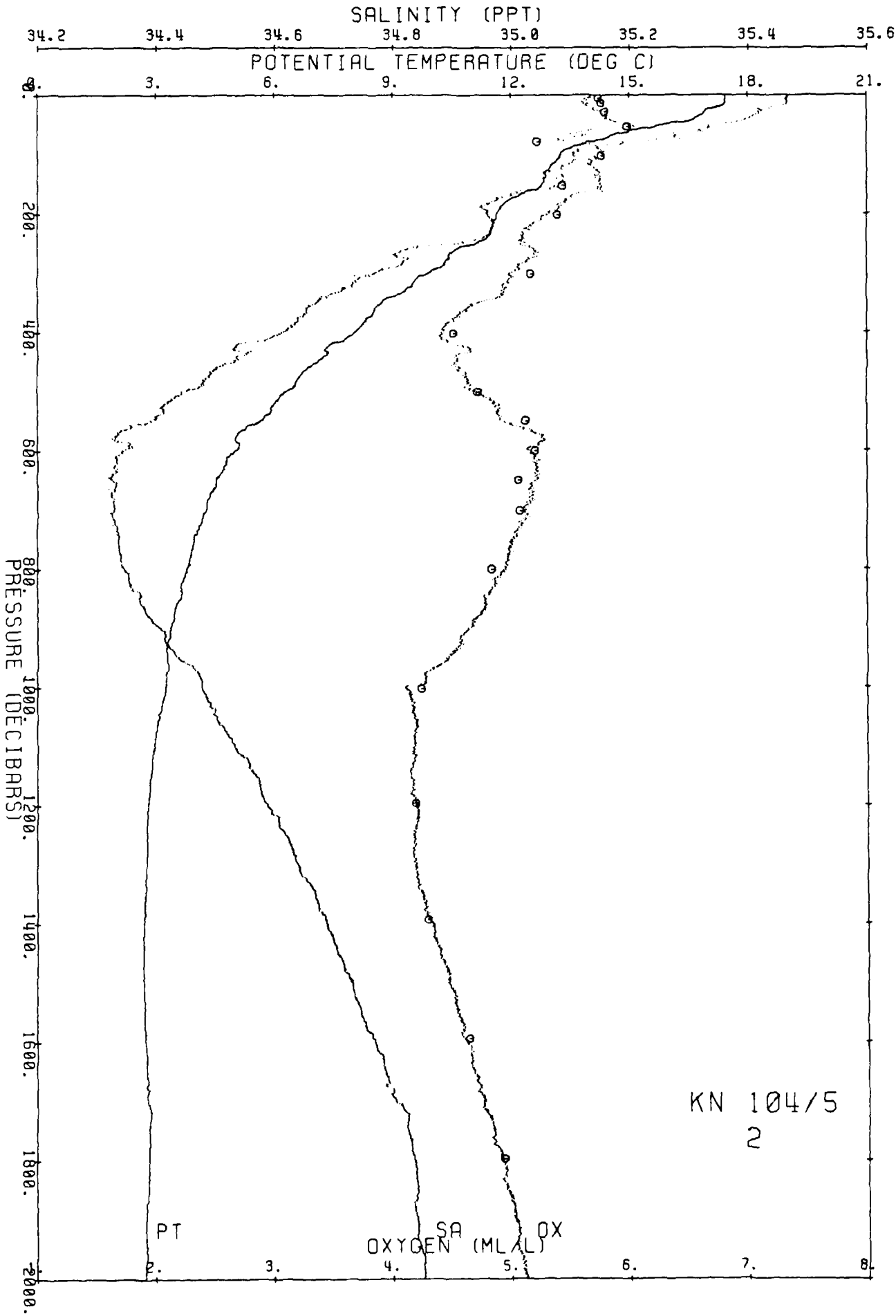
Ship KN Cruise 1045 Station 2 Cast 1 DT
Start 34 10.18 S 17 19.73 E at 103 83/11/15
End 34 13.35 S 17 19.91 E at 407

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	17.430	17.430	35.468	5.7	104.8	25.771	30.082	34.297	38.421	42.455	221.4	0.00	0.00	0.0
10	17.426	17.425	35.467	5.6	104.3	25.772	30.082	34.298	38.422	42.456	221.7	.02	.39	10.0
20	17.256	17.253	35.440	5.7	104.5	25.793	30.106	34.325	38.451	42.488	220.1	.04	2.56	19.9
30	16.883	16.878	35.418	5.8	105.4	25.865	30.185	34.410	38.543	42.586	213.6	.07	4.78	29.9
40	16.664	16.658	35.402	5.8	105.8	25.905	30.229	34.458	38.594	42.640	210.1	.09	3.54	39.9
50	15.826	15.819	35.346	6.0	107.3	26.056	30.395	34.639	38.789	42.849	196.0	.11	6.90	49.8
60	15.017	15.008	35.317	5.7	99.7	26.215	30.569	34.827	38.991	43.065	181.2	.13	7.08	59.8
70	14.512	14.502	35.277	5.6	97.7	26.295	30.658	34.925	39.098	43.180	173.9	.14	5.01	69.7
80	13.914	13.903	35.190	5.6	95.6	26.355	30.730	35.009	39.193	43.286	168.4	.16	4.38	79.7
90	13.482	13.469	35.126	5.7	97.8	26.396	30.780	35.066	39.259	43.359	164.8	.18	3.60	89.7
100	13.272	13.259	35.107	5.8	98.3	26.424	30.812	35.103	39.299	43.404	162.4	.19	3.00	99.6
120	13.016	13.000	35.088	5.7	95.9	26.462	30.855	35.151	39.352	43.461	159.3	.23	2.45	119.5
140	12.868	12.849	35.077	5.7	96.7	26.483	30.880	35.178	39.382	43.494	157.8	.26	1.86	139.4
160	12.583	12.562	35.029	5.8	96.3	26.503	30.905	35.210	39.419	43.537	156.4	.29	1.80	159.4
180	11.895	11.872	34.968	5.4	89.8	26.589	31.005	35.324	39.547	43.677	148.6	.32	3.72	179.3
200	11.670	11.644	34.959	5.3	87.1	26.625	31.046	35.369	39.596	43.731	145.6	.35	2.40	199.2
220	11.561	11.533	34.969	5.2	84.5	26.654	31.077	35.402	39.631	43.767	143.4	.38	2.13	219.1
240	11.437	11.407	34.955	5.1	83.3	26.666	31.092	35.420	39.652	43.790	142.6	.41	1.44	239.0
260	10.627	10.596	34.821	5.2	83.3	26.709	31.153	35.497	39.746	43.901	138.7	.44	2.71	258.8
280	10.379	10.346	34.818	5.1	81.7	26.751	31.200	35.550	39.803	43.963	135.1	.46	2.60	278.7
300	9.934	9.900	34.769	5.0	78.8	26.789	31.248	35.607	39.870	44.039	131.6	.49	2.54	298.6
320	9.548	9.512	34.732	4.9	77.2	26.825	31.293	35.661	39.932	44.108	128.4	.52	2.47	318.5
340	9.054	9.017	34.680	4.9	75.6	26.865	31.344	35.723	40.004	44.191	124.7	.54	2.61	338.4
360	8.593	8.555	34.656	4.6	70.8	26.919	31.409	35.798	40.089	44.285	119.7	.56	3.01	358.3
380	8.359	8.319	34.640	4.5	68.8	26.943	31.438	35.832	40.129	44.330	117.6	.59	2.01	378.2
400	8.071	8.031	34.612	4.4	66.7	26.965	31.466	35.867	40.170	44.378	115.7	.61	1.95	398.0
450	7.135	7.092	34.531	4.5	66.9	27.037	31.561	35.984	40.308	44.535	108.9	.67	2.26	447.7
500	6.361	6.316	34.445	4.7	68.4	27.074	31.617	36.058	40.401	44.646	105.3	.72	1.70	497.4
550	5.704	5.657	34.392	4.9	70.6	27.115	31.675	36.132	40.490	44.750	101.3	.77	1.77	547.0
600	5.053	5.005	34.346	5.2	72.5	27.156	31.733	36.207	40.580	44.855	97.1	.82	1.78	596.7
650	4.598	4.548	34.328	5.2	72.4	27.193	31.781	36.267	40.651	44.937	93.5	.87	1.67	646.3
700	4.329	4.276	34.330	5.1	70.8	27.224	31.819	36.312	40.703	44.995	90.7	.92	1.49	695.9
750	4.039	3.984	34.338	5.0	68.8	27.261	31.864	36.364	40.762	45.061	87.2	.96	1.63	745.5
800	3.845	3.787	34.347	5.0	67.6	27.289	31.896	36.401	40.804	45.108	84.7	1.00	1.39	795.1
900	3.441	3.378	34.408	4.6	62.7	27.377	31.995	36.510	40.923	45.236	76.4	1.08	1.74	894.2
1000	3.326	3.255	34.479	4.1	55.5	27.446	32.066	36.583	40.999	45.314	70.6	1.16	1.49	993.3
1100	3.041	2.965	34.533	4.2	56.2	27.516	32.144	36.668	41.090	45.413	64.0	1.23	1.56	1092.3
1200	2.877	2.794	34.588	4.2	56.0	27.575	32.207	36.736	41.162	45.488	58.8	1.29	1.41	1191.2
1300	2.856	2.766	34.640	4.2	55.8	27.619	32.252	36.780	41.207	45.533	55.3	1.34	1.18	1290.2
1400	2.799	2.701	34.688	4.3	57.7	27.663	32.297	36.827	41.255	45.583	51.7	1.40	1.20	1389.0
1500	2.804	2.698	34.731	4.5	59.5	27.698	32.331	36.861	41.289	45.616	49.2	1.45	1.03	1487.8
1600	2.854	2.739	34.769	4.6	61.8	27.724	32.357	36.885	41.311	45.637	47.6	1.50	.87	1586.6
1700	2.925	2.800	34.803	4.8	63.7	27.746	32.377	36.903	41.327	45.652	46.6	1.54	.76	1685.3
1800	2.965	2.831	34.836	4.9	65.9	27.770	32.399	36.924	41.348	45.671	45.4	1.59	.82	1784.0
1900	2.896	2.755	34.839	5.0	67.4	27.779	32.410	36.938	41.363	45.688	44.9	1.63	.64	1882.6
2000	2.884	2.733	34.851	5.1	68.5	27.791	32.422	36.950	41.376	45.701	44.5	1.68	.62	1981.2
2100	2.814	2.655	34.852	5.2	69.1	27.798	32.432	36.962	41.390	45.717	44.1	1.72	.61	2079.7
2194	2.771	2.605	34.848	5.2	69.8	27.800	32.435	36.966	41.395	45.724	44.4	1.77	.37	2172.3

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	17.121	17.120	35.456	5.74	2.1	0.26	0.6	0.02	0.83	25.837	30.152	34.373	38.502	42.541	5.2
13	17.123	17.121	35.453	5.76	2.1	0.20	0.7	0.01	0.69	25.834	30.150	34.371	38.499	42.538	12.9
28	17.136	17.131	35.455	5.79	2.4	0.19	0.8		0.42	25.833	30.149	34.369	38.498	42.536	28.0
53	15.924	15.916	35.360	5.98	3.0	0.24	1.0	0.02	0.57	26.045	30.382	34.624	38.772	42.831	53.0
78	14.252	14.241	35.250	5.22	5.2	0.65	7.5	0.24	0.92	26.330	30.699	34.970	39.148	43.235	77.8
103	13.198	13.184	35.076	5.76	3.5	0.59	6.5	0.09	0.30	26.415	30.805	35.097	39.295	43.401	101.8
153	12.403	12.383	35.023	5.43	4.3	0.80	10.0	0.01	0.34	26.534	30.939	35.247	39.460	43.581	151.5
202	11.832	11.806	34.967	5.39	5.4	0.97	12.2	0.01	0.69	26.601	31.019	35.338	39.562	43.694	200.3
302	10.215	10.179	34.795	5.16	6.9	1.26	16.7		0.65	26.762	31.214	35.568	39.825	43.988	299.3
403	8.029	7.988	34.612	4.51	26.4	1.93	23.5		0.65	26.971	31.474	35.876	40.180	44.388	399.1
501	6.414	6.369	34.462	4.72	19.6	2.18	26.2		0.40	27.080	31.622	36.062	40.403	44.647	496.5
550	5.635	5.588	34.380	5.12	19.3	2.18	26.9		0.42	27.114	31.676	36.135	40.494	44.756	544.8
600	4.763	4.716	34.346	5.20	22.0	2.14	27.8		0.40	27.189	31.773	36.254	40.634	44.916	595.0
650	4.570	4.520	34.339	5.06	26.4	2.30	28.0		0.40	27.205	31.794	36.280	40.665	44.952	644.1
702	4.319	4.266	34.334	5.07	28.5	2.34	29.9		0.31	27.229	31.824	36.316	40.708	45.000	695.3
801	3.712	3.655	34.352	4.93	36.5	2.51	32.0		1.84	27.306	31.917	36.425	40.831	45.138	793.2
1002	3.340	3.269	34.474	4.24	51.9	2.64	33.5		0.54	27.440	32.061	36.578	40.993	45.308	992.4
1197	2.885	2.803	34.581	4.19	60.1	2.66	35.8		0.54	27.569	32.201	36.729	41.155	45.481	1184.5
1393	2.798	2.701	34.684	4.29	60.1	2.47	31.2		0.33	27.660	32.294	36.824	41.252	45.580	1378.2
1595	2.841	2.726	34.763	4.64	50.9	2.23	28.6		1.32	27.721	32.353	36.882	41.309	45.635	1576.9
1796	2.962	2.828	34.832	4.93	42.8	2.00	26.8		0.40	27.767	32.396	36.922	41.345	45.668	1775.6
2001	2.879	2.728	34.851	5.10	41.6	2.00	24.7		0.76	27.791	32.423	36.951	41.377	45.702	1976.9
2111	2.797	2.638	34.849	5.19	43.7	1.92	24.8		1.71	27.797	32.432	36.962	41.390	45.718	2085.6
2200	2.769	2.602	34.848	5.20	45.5	1.93	25.9		0.52	27.800	32.435	36.966	41.396	45.724	2172.4


SALINITY (PPT)
34.2
34.4
34.6
34.8
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POTENTIAL TEMPERATURE (DEG C)
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18.
21.
PRESSURE (DECIBARS)
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500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
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PT
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OX
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KN 104/5
2

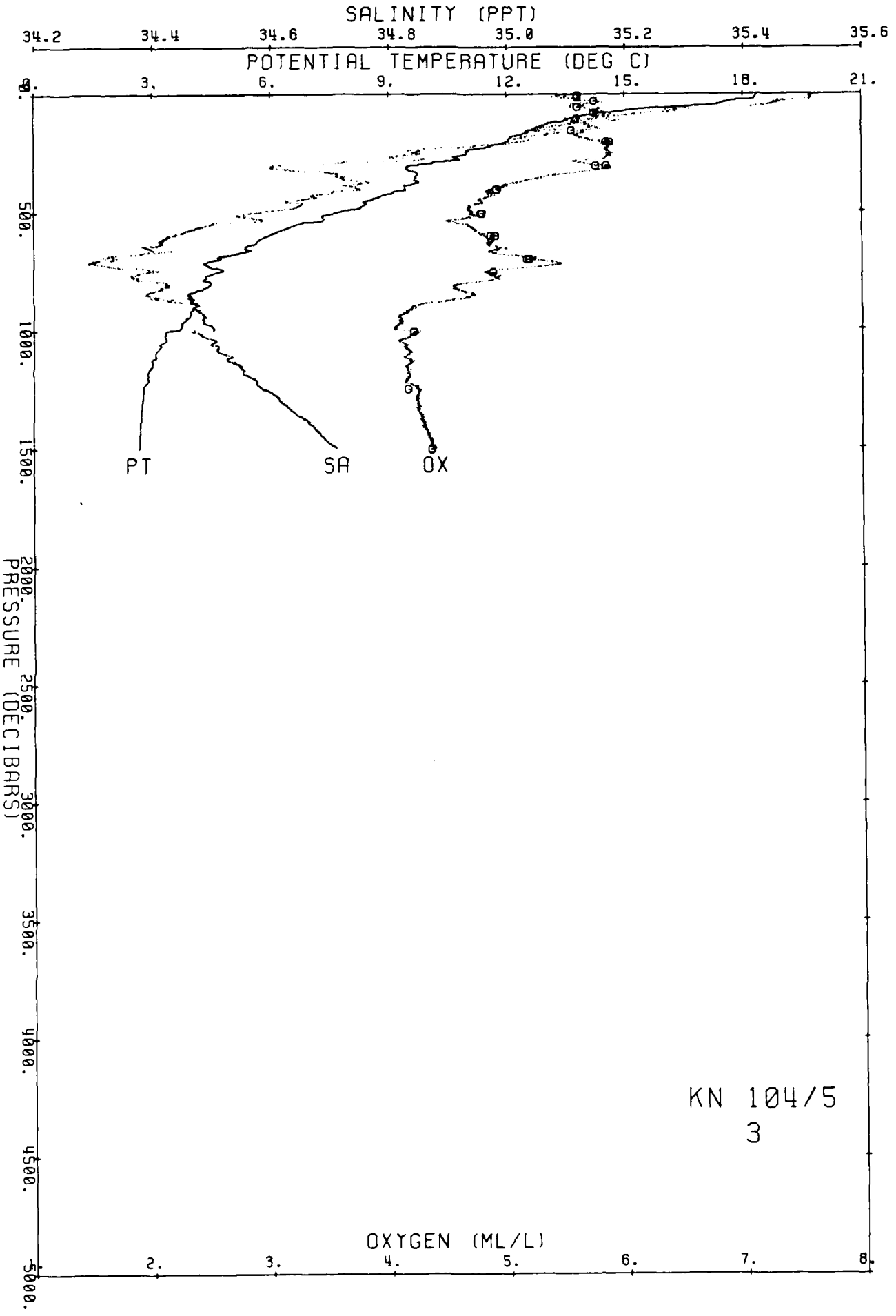

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37.1
OXYGEN (ML/L)
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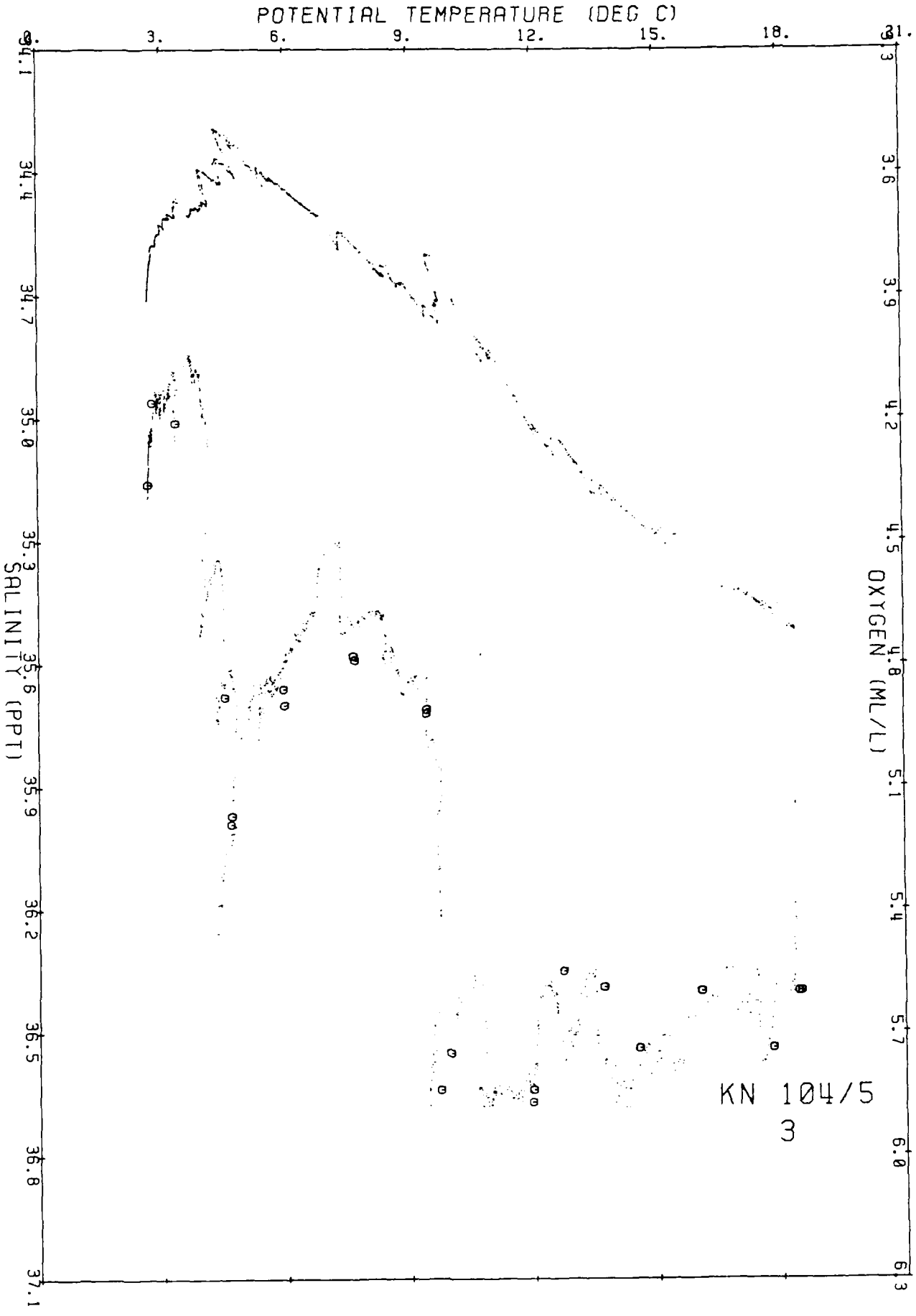

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34.6
34.8
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35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
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21.
PRESSURE (DECIBARS)
0.
200.
400.
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OXYGEN (ML/L)
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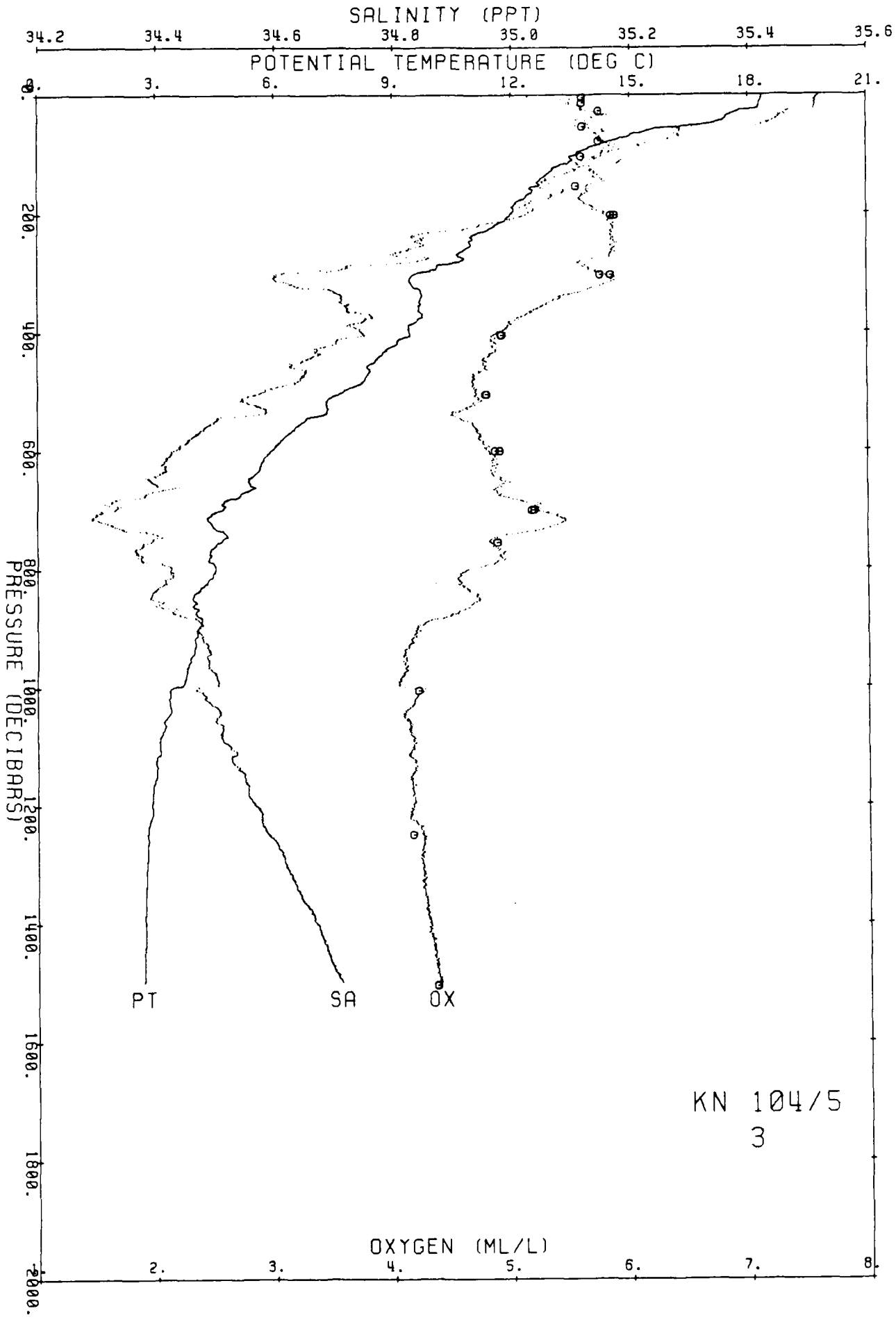
Ship KN Cruise 1045 Station 3 Cast 1 DT
Start 34 39.20 S 16 42.77 E at 826 83/11/15
End 34 38.00 S 16 41.65 E at 1027

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	18.358	18.358	35.520	5.1	96.8	25.582	29.877	34.078	38.186	42.206	239.4	0.00	0.00	0.0
10	18.317	18.315	35.513	5.4	101.4	25.588	29.883	34.084	38.194	42.214	239.2	.02	1.29	10.0
20	18.293	18.290	35.513	5.6	105.2	25.594	29.890	34.092	38.202	42.223	239.0	.05	1.42	19.9
30	17.677	17.672	35.459	5.7	106.3	25.705	30.012	34.224	38.343	42.374	228.8	.07	5.91	29.9
40	17.436	17.429	35.448	5.7	104.7	25.756	30.067	34.282	38.406	42.440	224.3	.09	3.99	39.9
50	16.917	16.909	35.423	5.6	103.4	25.862	30.181	34.406	38.538	42.580	214.6	.12	5.76	49.8
60	15.493	15.484	35.286	5.8	102.6	26.086	30.431	34.681	38.837	42.903	193.5	.14	8.41	59.8
70	15.002	14.991	35.285	5.7	101.3	26.194	30.549	34.807	38.972	43.045	183.5	.16	5.85	69.8
80	14.421	14.410	35.234	5.8	100.9	26.282	30.647	34.916	39.091	43.175	175.5	.17	5.25	79.7
90	13.985	13.973	35.203	5.8	100.5	26.351	30.724	35.001	39.184	43.276	169.2	.19	4.67	89.7
100	13.716	13.702	35.187	5.8	98.9	26.395	30.774	35.056	39.244	43.340	165.2	.21	3.75	99.6
120	13.220	13.204	35.133	5.6	94.9	26.455	30.844	35.136	39.333	43.438	160.0	.24	3.11	119.5
140	12.795	12.776	35.064	5.7	96.0	26.488	30.886	35.186	39.391	43.504	157.4	.27	2.30	139.5
160	12.584	12.562	35.089	5.6	94.4	26.550	30.951	35.255	39.465	43.581	152.0	.30	3.12	159.4
180	12.158	12.135	35.025	5.6	93.4	26.583	30.994	35.307	39.524	43.649	149.2	.33	2.35	179.3
200	12.030	12.004	35.025	5.8	95.5	26.608	31.022	35.337	39.557	43.684	147.4	.36	2.00	199.2
220	11.614	11.586	34.945	5.8	95.9	26.625	31.048	35.372	39.600	43.736	146.1	.39	1.72	219.1
240	11.038	11.009	34.853	5.9	94.7	26.660	31.095	35.431	39.671	43.818	143.1	.42	2.42	239.0
260	10.853	10.822	34.825	5.9	94.4	26.672	31.111	35.451	39.695	43.845	142.3	.45	1.42	258.9
280	10.756	10.722	34.842	5.6	89.8	26.703	31.144	35.486	39.732	43.884	139.8	.48	2.22	278.8
300	9.636	9.602	34.615	5.7	90.0	26.719	31.185	35.552	39.822	43.997	138.1	.50	1.91	298.6
320	9.529	9.493	34.633	5.8	90.3	26.751	31.219	35.589	39.861	44.038	135.4	.53	2.26	318.5
340	9.780	9.741	34.715	5.4	85.0	26.774	31.236	35.600	39.866	44.038	133.9	.56	1.81	338.4
360	9.705	9.664	34.723	5.2	81.8	26.793	31.257	35.622	39.890	44.063	132.5	.59	1.76	358.3
380	9.663	9.620	34.752	5.0	78.6	26.823	31.288	35.653	39.922	44.096	130.1	.61	2.18	378.2
400	9.471	9.426	34.748	4.9	76.3	26.852	31.321	35.691	39.963	44.141	127.6	.64	2.19	398.1
450	8.606	8.558	34.646	4.8	73.0	26.911	31.400	35.789	40.081	44.277	122.2	.70	2.06	447.7
500	7.795	7.745	34.581	4.7	70.5	26.983	31.491	35.899	40.208	44.422	115.5	.76	2.25	497.4
550	6.798	6.747	34.498	4.7	68.3	27.058	31.590	36.022	40.354	44.589	108.1	.82	2.35	547.1
600	5.958	5.905	34.426	4.8	69.2	27.111	31.664	36.116	40.468	44.722	102.7	.87	2.02	596.7
650	5.414	5.360	34.392	4.9	69.9	27.151	31.718	36.183	40.548	44.815	98.8	.92	1.74	646.3
700	4.725	4.670	34.330	5.2	72.8	27.182	31.766	36.249	40.630	44.914	95.4	.97	1.63	695.9
750	4.742	4.683	34.396	4.8	67.4	27.233	31.817	36.298	40.679	44.961	91.2	1.01	1.77	745.5
800	4.561	4.498	34.425	4.6	64.5	27.276	31.865	36.350	40.735	45.022	87.3	1.06	1.71	795.1
900	4.126	4.058	34.471	4.2	57.8	27.360	31.959	36.456	40.851	45.148	79.6	1.14	1.70	894.3
1000	3.484	3.412	34.472	4.1	55.9	27.425	32.042	36.555	40.966	45.278	72.9	1.22	1.60	993.3
1100	3.160	3.083	34.524	4.2	56.0	27.498	32.123	36.644	41.063	45.383	66.0	1.29	1.59	1092.3
1200	2.973	2.890	34.568	4.2	55.8	27.550	32.180	36.706	41.130	45.454	61.3	1.35	1.35	1191.3
1300	2.837	2.747	34.618	4.2	56.7	27.603	32.236	36.766	41.193	45.520	56.7	1.41	1.33	1290.2
1400	2.801	2.704	34.668	4.3	57.4	27.647	32.281	36.811	41.239	45.567	53.2	1.47	1.18	1389.1
1499	2.780	2.674	34.711	4.4	58.6	27.684	32.318	36.849	41.277	45.605	50.4	1.52	1.09	1486.9

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	18.463	18.462	35.515	5.60	4.5	0.20	1.4	0.01	0.20	25.552	29.846	34.044	38.152	42.170	4.7
14	18.398	18.396	35.514	5.60	4.2	0.16	1.7	0.01	0.35	25.568	29.863	34.062	38.171	42.190	13.4
28	17.784	17.779	35.474	5.74	4.5	0.15	1.2	0.01	0.20	25.691	29.995	34.205	38.323	42.352	28.0
53	16.048	16.040	35.359	5.60	4.0	0.29	2.3	0.16	0.65	26.016	30.351	34.590	38.737	42.793	52.8
78	14.544	14.532	35.252	5.74	6.3	0.38	4.4	0.26	0.55	26.269	30.632	34.899	39.071	43.153	77.6
103	13.690	13.675	35.173	5.59	4.7	0.51	6.3	0.11	0.33	26.390	30.769	35.052	39.240	43.337	102.4
153	12.718	12.697	35.063	5.55	5.2	0.66	8.6	0.02	0.20	26.503	30.902	35.204	39.411	43.525	152.1
203	11.986	11.960	35.017	5.84	4.9	0.70	8.8	0.02	0.33	26.611	31.025	35.341	39.562	43.690	201.5
203	11.973	11.947	35.016	5.87						26.612	31.027	35.343	39.564	43.693	201.8
303	9.995	9.960	34.693	5.75	6.7	1.05	10.2		0.20	26.720	31.178	35.536	39.799	43.966	300.7
303	9.747	9.712	34.638	5.84						26.718	31.182	35.547	39.814	43.987	300.9
404	9.471	9.425	34.745	4.91	10.4	1.36	18.5		0.20	26.850	31.319	35.689	39.961	44.139	400.7
404	9.458	9.412	34.744	4.92						26.851	31.321	35.691	39.964	44.142	400.8
505	7.693	7.642	34.569	4.78	16.0	1.67	22.7		0.20	26.988	31.499	35.909	40.221	44.436	500.2
505	7.724	7.673	34.573	4.79						26.987	31.497	35.906	40.217	44.432	500.2
600	6.026	5.973	34.430	4.90	20.7	2.02	25.9		0.21	27.106	31.657	36.107	40.457	44.710	594.8
600	6.000	5.947	34.433	4.86						27.112	31.664	36.114	40.465	44.718	594.9
700	4.707	4.652	34.325	5.19	23.0				0.20	27.180	31.765	36.248	40.630	44.913	693.7
700	4.732	4.677	34.325	5.17		2.16				27.177	31.762	36.244	40.625	44.908	693.8
755	4.574	4.515	34.374	4.88	31.5	2.25	30.2		0.20	27.234	31.822	36.308	40.693	44.979	747.6
1006	3.431	3.359	34.469	4.21	52.8	2.60	33.2		0.20	27.428	32.046	36.560	40.973	45.286	995.7
1249	2.864	2.778	34.578	4.16	52.9	2.57	30.4		0.20	27.568	32.201	36.730	41.157	45.483	1235.9
1503	2.779	2.673	34.709	4.36	54.3		30.4		0.73	27.682	32.317	36.848	41.276	45.604	1487.1
1505	2.780	2.674	34.708	4.36		2.32				27.682	32.316	36.847	41.275	45.603	1488.3


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
PRESSURE (DECIBARS)
PT
SA
OX
KN 104/5
3
OXYGEN (ML/L)
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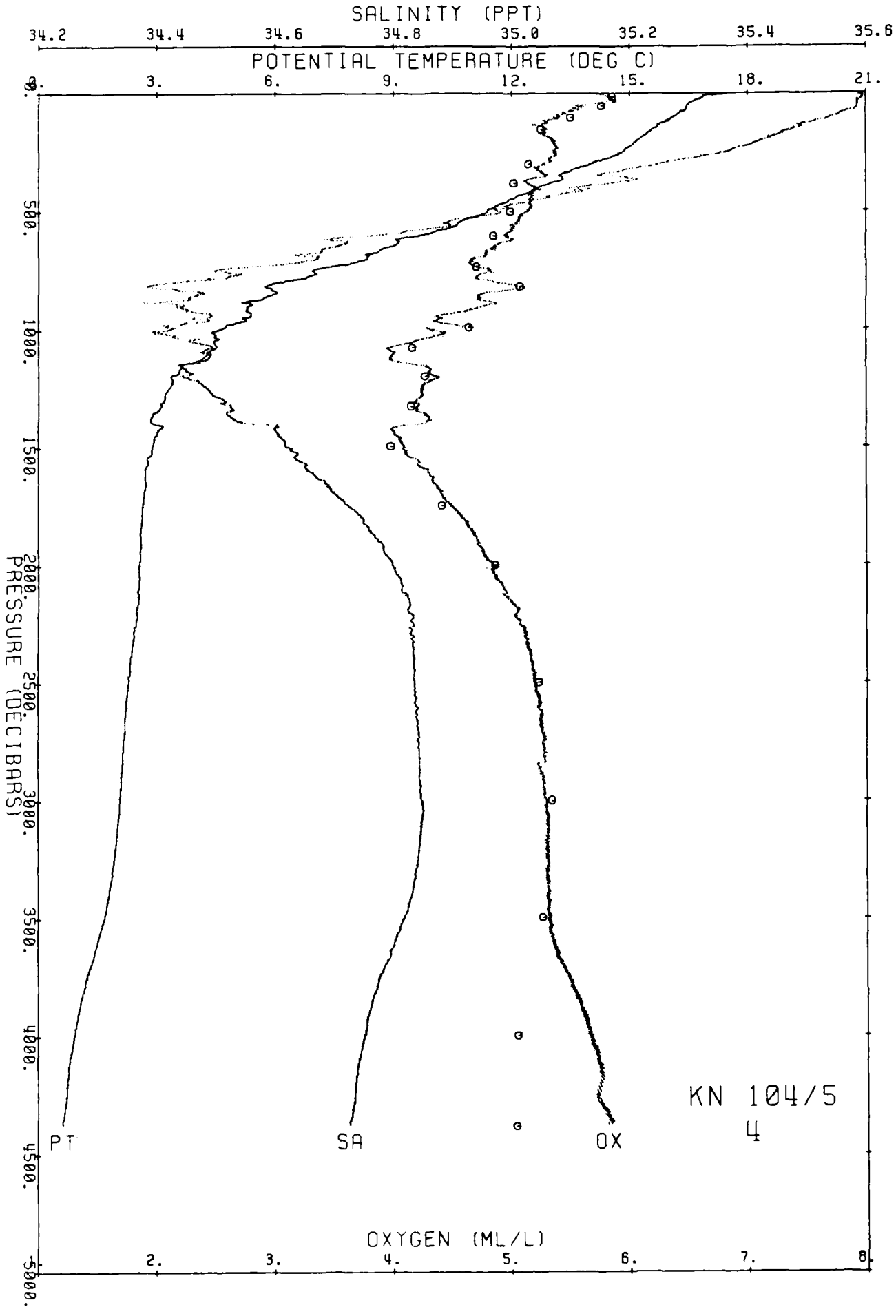

POTENTIAL TEMPERATURE (DEG C)
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3.
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21.
SALINITY (PPT)
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34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
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5.1
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5.7
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KN 104/5
3

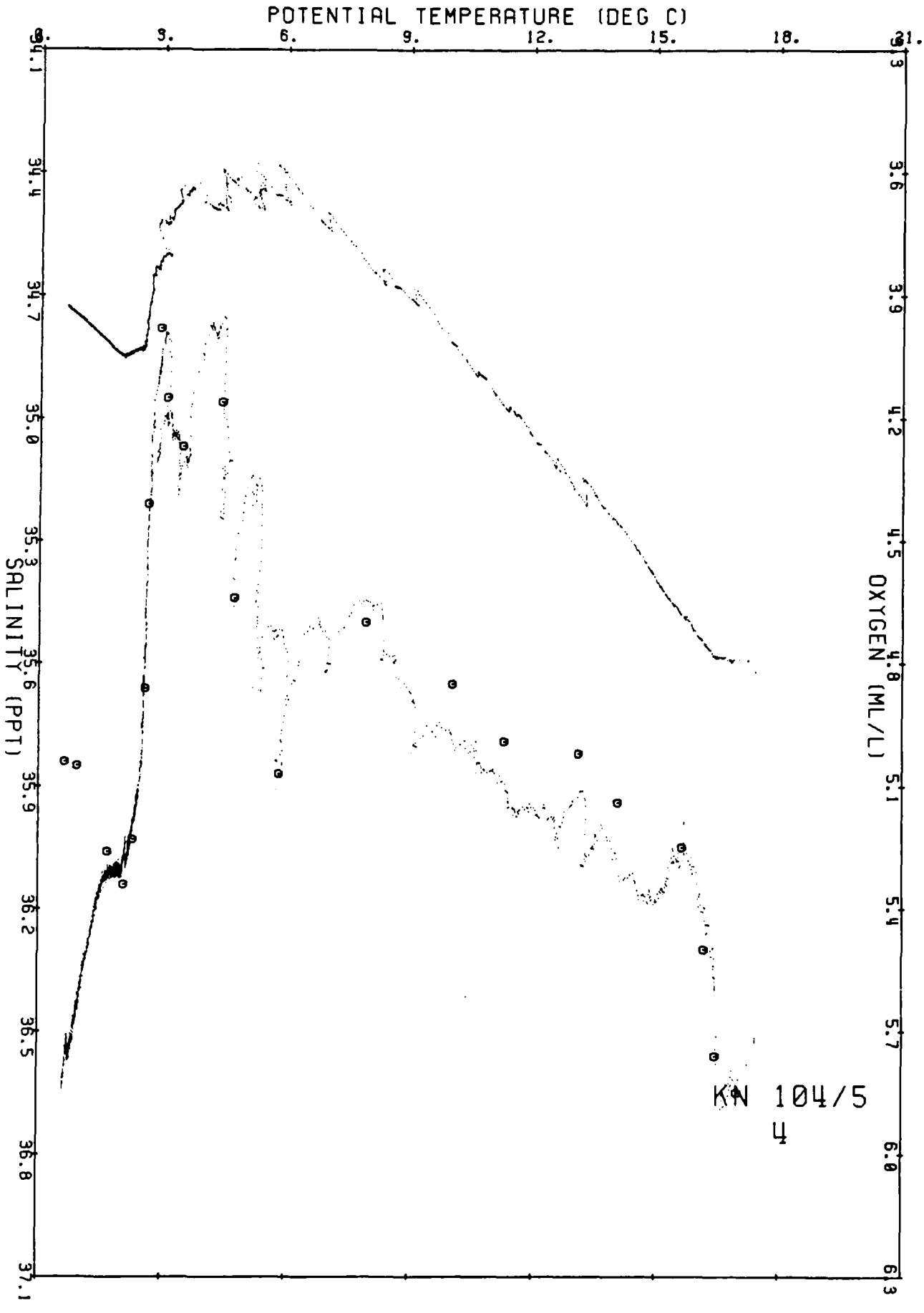

SALINITY (PPT)
34.2
34.4
34.6
34.8
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35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
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PRESSURE (DECIBARS)
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KN 104/5
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OXYGEN (ML/L)
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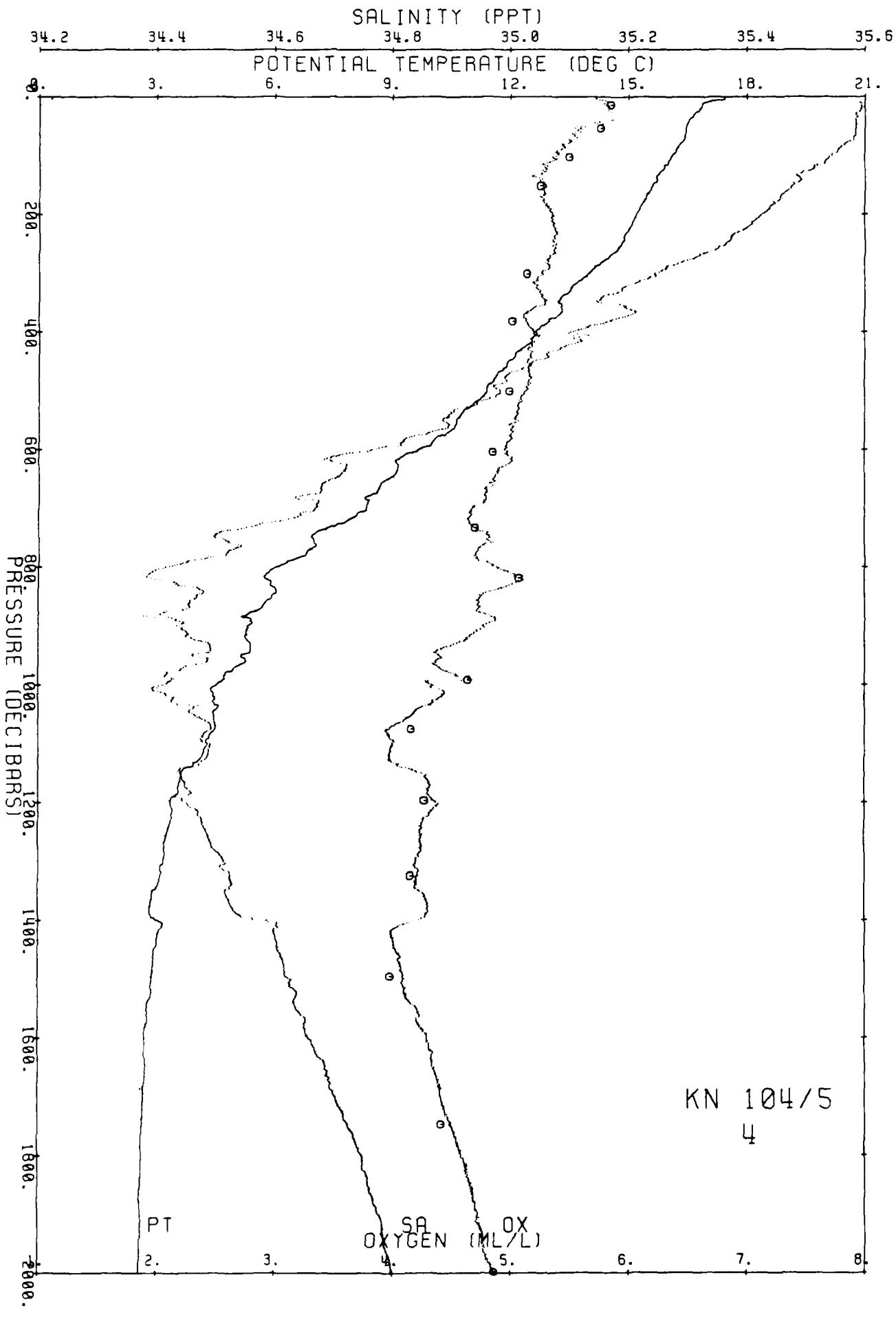
Ship KN Cruise 1045 Station 4 Cast 1 DT
Start 35 7.72 S 16 8.75 E at 1452 83/11/15
End 35 5.84 S 16 .65 E at 1907

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	17.439	17.439	35.621	5.7	105.8	25.886	30.196	34.410	38.533	42.566	210.5	0.00	0.00	0.0
10	16.919	16.917	35.592	5.8	106.6	25.989	30.308	34.531	38.662	42.703	201.0	.02	5.69	10.0
20	16.840	16.836	35.592	5.8	106.9	26.009	30.329	34.553	38.685	42.728	199.6	.04	2.46	19.9
30	16.666	16.661	35.586	5.9	107.3	26.046	30.368	34.596	38.731	42.776	196.4	.06	3.40	29.9
40	16.542	16.536	35.586	5.9	106.6	26.075	30.400	34.630	38.767	42.814	194.0	.08	3.05	39.9
50	16.481	16.473	35.585	5.6	101.8	26.089	30.415	34.646	38.784	42.832	193.0	.10	2.09	49.8
60	16.469	16.460	35.585	5.6	101.7	26.092	30.418	34.649	38.788	42.836	193.0	.12	.98	59.8
70	16.442	16.431	35.581	5.6	101.1	26.096	30.423	34.654	38.793	42.842	193.0	.14	1.09	69.7
80	16.326	16.313	35.566	5.4	98.6	26.112	30.441	34.674	38.815	42.866	191.9	.16	2.25	79.7
90	16.232	16.218	35.556	5.4	98.2	26.126	30.457	34.692	38.834	42.887	190.8	.18	2.13	89.7
100	16.131	16.115	35.544	5.4	97.3	26.141	30.473	34.710	38.854	42.909	189.8	.20	2.14	99.6
120	15.937	15.919	35.516	5.3	95.2	26.164	30.500	34.741	38.889	42.946	188.2	.23	1.94	119.5
140	15.746	15.725	35.491	5.3	94.3	26.189	30.529	34.773	38.924	42.985	186.5	.27	2.00	139.5
160	15.571	15.546	35.468	5.3	94.2	26.212	30.555	34.802	38.956	43.020	184.9	.31	1.91	159.4
180	15.399	15.371	35.447	5.3	93.9	26.235	30.581	34.832	38.989	43.056	183.3	.34	1.93	179.3
200	15.233	15.203	35.424	5.4	94.9	26.255	30.604	34.858	39.018	43.088	182.1	.38	1.79	199.2
220	15.093	15.060	35.404	5.4	94.7	26.271	30.623	34.880	39.042	43.114	181.1	.42	1.62	219.1
240	14.921	14.885	35.374	5.4	94.5	26.287	30.642	34.902	39.068	43.143	180.2	.45	1.59	239.0
260	14.753	14.714	35.347	5.4	94.1	26.303	30.662	34.925	39.094	43.172	179.2	.49	1.65	258.9
280	14.392	14.351	35.292	5.3	92.6	26.339	30.705	34.975	39.150	43.235	176.3	.53	2.44	278.8
300	14.059	14.015	35.246	5.3	90.9	26.375	30.747	35.023	39.205	43.296	173.3	.56	2.43	298.7
320	13.644	13.598	35.200	5.2	89.6	26.426	30.807	35.091	39.281	43.379	168.8	.59	2.91	318.6
340	13.347	13.299	35.157	5.3	89.6	26.455	30.841	35.131	39.326	43.430	166.5	.63	2.17	338.5
360	13.350	13.299	35.198	5.2	88.3	26.486	30.873	35.162	39.357	43.460	164.1	.66	2.22	358.4
380	13.053	13.001	35.172	5.1	86.9	26.527	30.919	35.214	39.415	43.523	160.7	.69	2.58	378.3
400	12.654	12.600	35.102	5.2	87.4	26.552	30.953	35.256	39.465	43.581	158.5	.73	2.12	398.1
450	11.991	11.932	35.038	5.1	85.0	26.632	31.047	35.364	39.585	43.713	151.8	.80	2.32	447.8
500	11.468	11.404	34.982	5.1	83.8	26.688	31.114	35.441	39.673	43.811	147.3	.88	1.95	497.5
550	10.702	10.635	34.886	5.1	81.4	26.753	31.195	35.539	39.786	43.940	141.6	.95	2.15	547.2
600	9.757	9.687	34.766	5.0	77.8	26.823	31.286	35.650	39.917	44.090	135.0	1.02	2.27	596.9
650	8.959	8.888	34.698	4.8	74.9	26.900	31.381	35.763	40.047	44.236	127.7	1.08	2.35	646.5
700	8.408	8.334	34.668	4.7	71.1	26.963	31.457	35.851	40.147	44.348	122.0	1.15	2.11	696.1
750	7.032	6.959	34.500	4.8	71.1	27.031	31.558	35.984	40.311	44.542	114.2	1.21	2.40	745.7
800	6.137	6.065	34.416	4.9	70.6	27.083	31.633	36.080	40.428	44.679	108.4	1.26	2.09	795.3
900	5.381	5.305	34.434	4.8	67.6	27.191	31.759	36.225	40.591	44.858	98.1	1.37	1.97	894.5
1000	4.633	4.553	34.414	4.3	60.4	27.261	31.848	36.333	40.717	45.002	91.0	1.46	1.66	993.6
1100	4.399	4.312	34.491	4.0	55.5	27.349	31.941	36.431	40.821	45.111	83.3	1.55	1.70	1092.6
1200	3.450	3.363	34.451	4.4	59.2	27.413	32.031	36.546	40.959	45.272	75.5	1.63	1.71	1191.6
1300	3.274	3.180	34.514	4.2	56.5	27.481	32.103	36.622	41.039	45.356	69.5	1.70	1.51	1290.5
1400	3.113	3.012	34.588	4.2	56.5	27.555	32.182	36.704	41.125	45.446	62.8	1.76	1.58	1389.4
1500	3.016	2.908	34.628	4.1	54.8	27.597	32.226	36.751	41.174	45.496	59.3	1.83	1.18	1488.2
1600	2.831	2.716	34.658	4.3	57.3	27.638	32.272	36.801	41.229	45.557	55.5	1.88	1.23	1587.0
1700	2.800	2.678	34.705	4.4	58.9	27.679	32.313	36.844	41.272	45.600	52.3	1.94	1.14	1685.7
1800	2.763	2.633	34.749	4.6	61.1	27.718	32.353	36.885	41.314	45.643	49.2	1.99	1.12	1784.4
1900	2.740	2.601	34.777	4.7	62.9	27.743	32.379	36.911	41.341	45.670	47.5	2.04	.90	1883.0
2000	2.707	2.559	34.799	4.8	64.6	27.764	32.401	36.934	41.365	45.695	46.0	2.08	.85	1981.6
2100	2.694	2.537	34.814	4.9	65.7	27.778	32.416	36.949	41.380	45.71_	45.3	2.13	.68	2080.1
2200	2.649	2.484	34.826	5.0	67.1	27.792	32.431	36.966	41.398	45.730	44.4	2.17	.73	2178.6
2300	2.602	2.428	34.834	5.1	68.1	27.804	32.444	36.980	41.414	45.747	43.8	2.22	.67	2277.0
2400	2.537	2.355	34.835	5.2	68.6	27.811	32.453	36.991	41.426	45.761	43.4	2.26	.60	2375.4
2500	2.484	2.294	34.836	5.2	69.0	27.815	32.460	37.000	41.437	45.774	43.1	2.30	.55	2473.8
2600	2.435	2.236	34.839	5.2	69.1	27.824	32.469	37.010	41.449	45.787	42.7	2.35	.59	2572.1
2700	2.402	2.194	34.842	5.3	69.4	27.830	32.476	37.018	41.458	45.797	42.6	2.39	.52	2670.4
2800	2.373	2.156	34.844	5.3	69.8	27.834	32.482	37.025	41.466	45.806	42.5	2.43	.48	2768.6
2900	2.332	2.106	34.843	5.3	69.5	27.838	32.487	37.031	41.473	45.815	42.5	2.48	.47	2866.7
3000	2.309	2.074	34.848	5.3	69.8	27.844	32.494	37.040	41.482	45.824	42.2	2.52	.53	2964.9
3200	2.212	1.959	34.843	5.3	69.7	27.849	32.503	37.051	41.497	45.842	42.1	2.60	.48	3161.0
3400	2.061	1.790	34.830	5.3	69.5	27.852	32.510	37.064	41.514	45.863	41.6	2.69	.53	3356.9
3600	1.788	1.504	34.802	5.4	69.6	27.851	32.518	37.079	41.537	45.894	40.2	2.77	.65	3552.7
3800	1.462	1.165	34.771	5.5	71.2	27.850	32.527	37.098	41.565	45.931	38.0	2.85	.73	3748.3
4000	1.229	.918	34.750	5.7	72.6	27.850	32.534	37.112	41.586	45.959	36.3	2.92	.65	3943.7
4200	1.075	.746	34.736	5.7	73.3	27.850	32.539	37.122	41.601	45.978	35.3	2.99	.55	4138.9
4375	.978	.633	34.726	5.8	74.0	27.849	32.541	37.127	41.610	45.990	34.7	3.05	.47	4309.6

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	18.054	18.053	35.602							25.721	30.020	34.225	38.338	42.362	5.2
14	16.993	16.991	35.597	5.85	0.0	0.28	12.2	0.03	0.50	25.976	30.293	34.515	38.645	42.685	14.0
29	16.600	16.595	35.588							26.063	30.387	34.615	38.751	42.798	28.9
54	16.467	16.458	35.583	5.76	4.0	0.27	11.7	0.05	0.42	26.091	30.417	34.648	38.787	42.835	53.3
103	16.189	16.173	35.560	5.50	5.0	0.36	26.5	0.32	0.46	26.140	30.471	34.707	38.850	42.903	101.7
152	15.671	15.647	35.480	5.25	6.2	0.49	48.9	0.02	0.45	26.198	30.540	34.785	38.937	42.999	150.4
301	14.132	14.088	35.246	5.14	6.4	0.70	73.1	0.01	0.40	26.359	30.731	35.005	39.186	43.275	298.1
381	13.164	13.111	35.197	5.02	6.6	0.89	81.1		0.48	26.524	30.914	35.207	39.405	43.512	377.7
500	11.362	11.298	34.951	4.99	7.7	1.15	13.1		0.51	26.683	31.111	35.441	39.675	43.816	495.6
604	10.124	10.052	34.823	4.85	9.5	1.44	14.9		0.43	26.805	31.260	35.616	39.876	44.041	598.2
733	8.009	7.933	34.611	4.70	12.9	1.90	17.7		0.35	26.979	31.482	35.886	40.191	44.400	725.7
817	5.908	5.836	34.387	5.07	14.1	2.23	20.2		0.71	27.089	31.644	36.098	40.451	44.708	809.7
991	4.820	4.739	34.417	4.64	29.3	2.54	27.6		0.39	27.243	31.825	36.305	40.685	44.965	981.6
1076	4.509	4.423	34.481	4.16	39.8	2.78	30.1		0.39	27.329	31.919	36.406	40.792	45.080	1065.1
1197	3.555	3.467	34.453	4.27	45.3	2.54	33.2		0.30	27.405	32.020	36.532	40.942	45.253	1184.4
1324	3.174	3.079	34.508	4.15	46.0	2.64	29.5		0.20	27.485	32.110	36.632	41.052	45.371	1309.9
1495	3.023	2.915	34.616	3.98	57.3	2.61	31.7		0.62	27.586	32.215	36.740	41.163	45.486	1478.3
1747	2.772	2.646	34.715	4.41	50.1	2.37	27.5		0.42	27.690	32.325	36.856	41.285	45.614	1726.6
1998	2.729	2.581	34.799	4.86	43.0	2.12	24.5		0.61	27.762	32.399	36.931	41.361	45.691	1974.0
2497	2.495	2.305	34.838	5.23	45.6	1.96	24.8		0.56	27.817	32.461	37.000	41.437	45.773	2464.3
2999	2.324	2.088	34.849	5.34	47.6	1.90	25.2		1.26	27.844	32.493	37.038	41.481	45.822	2955.9
3495	1.963	1.685	34.820	5.26	57.2	2.09	25.8		2.27	27.852	32.513	37.070	41.523	45.875	3441.7
3997	1.249	0.937	34.752	5.05	60.9	2.33	23.4		0.64	27.851	32.533	37.111	41.585	45.957	3930.8
4380	0.978	0.632	34.725	5.04	70.7	2.43	25.5		0.53	27.848	32.540	37.127	41.609	45.989	4304.4


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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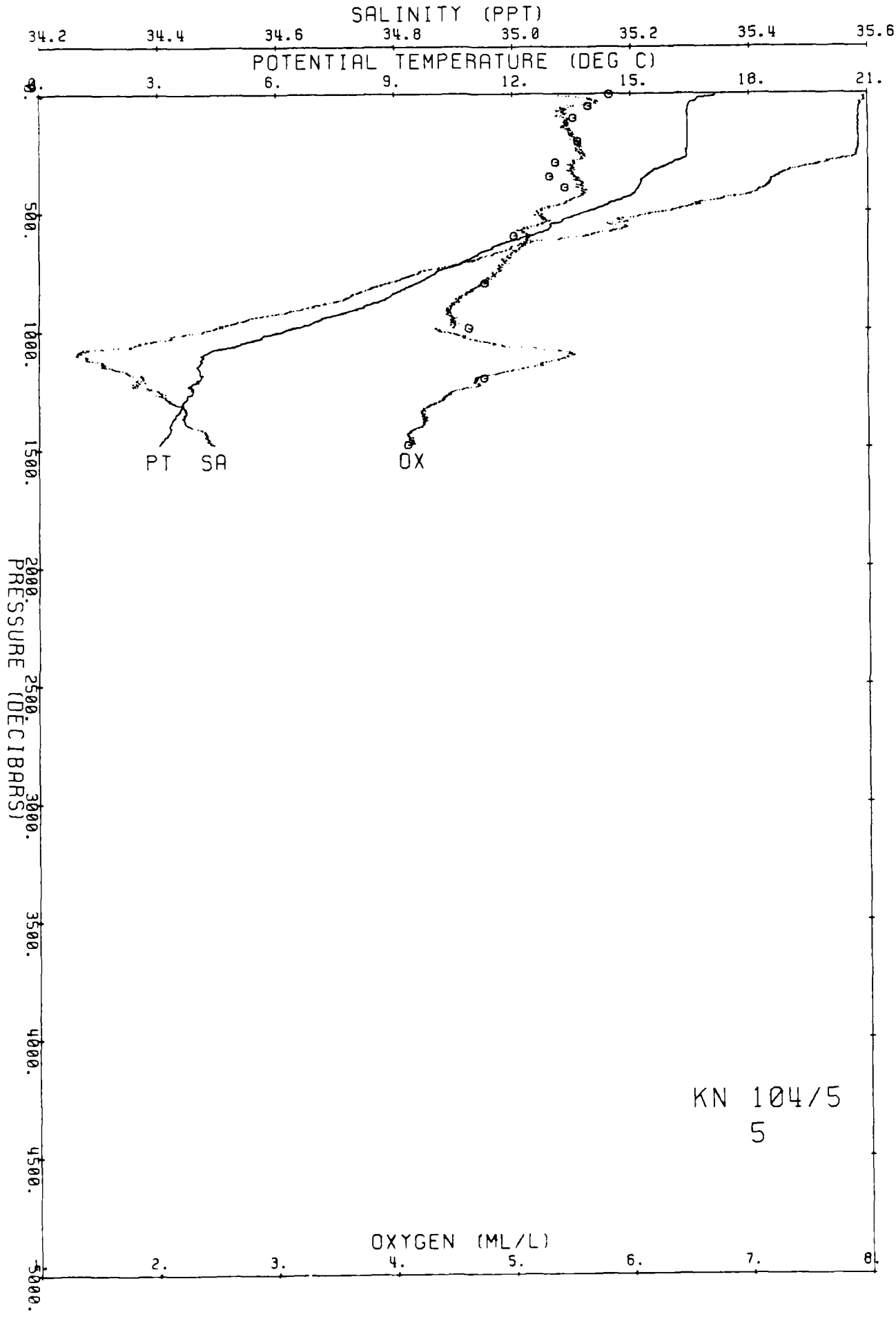

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
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KN 104/5
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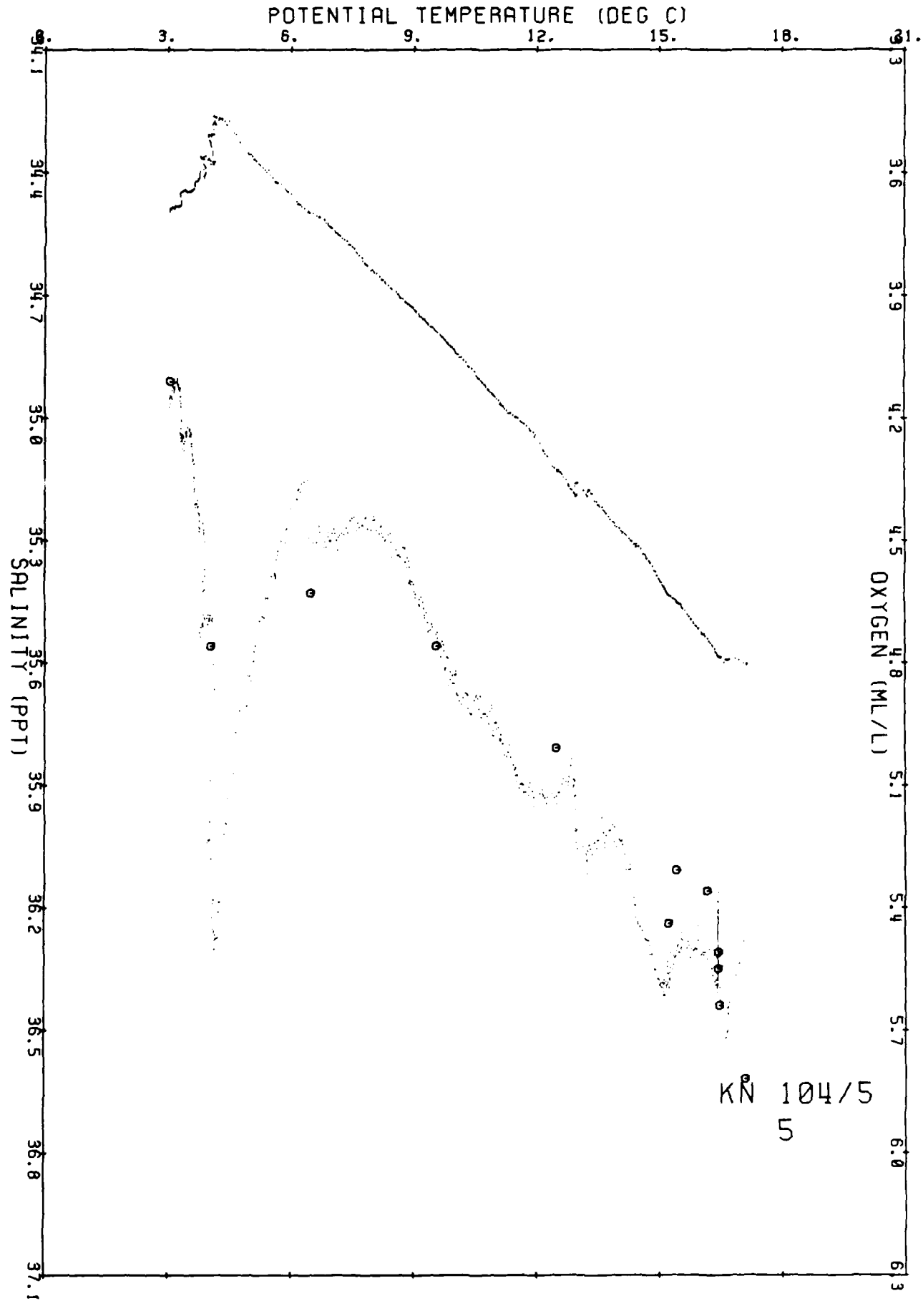

SALINITY (PPT)
34.2
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34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
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2000.
PRESSURE (DECIBARS)
KN 104/5
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PT
SA
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OXYGEN (ML/L)
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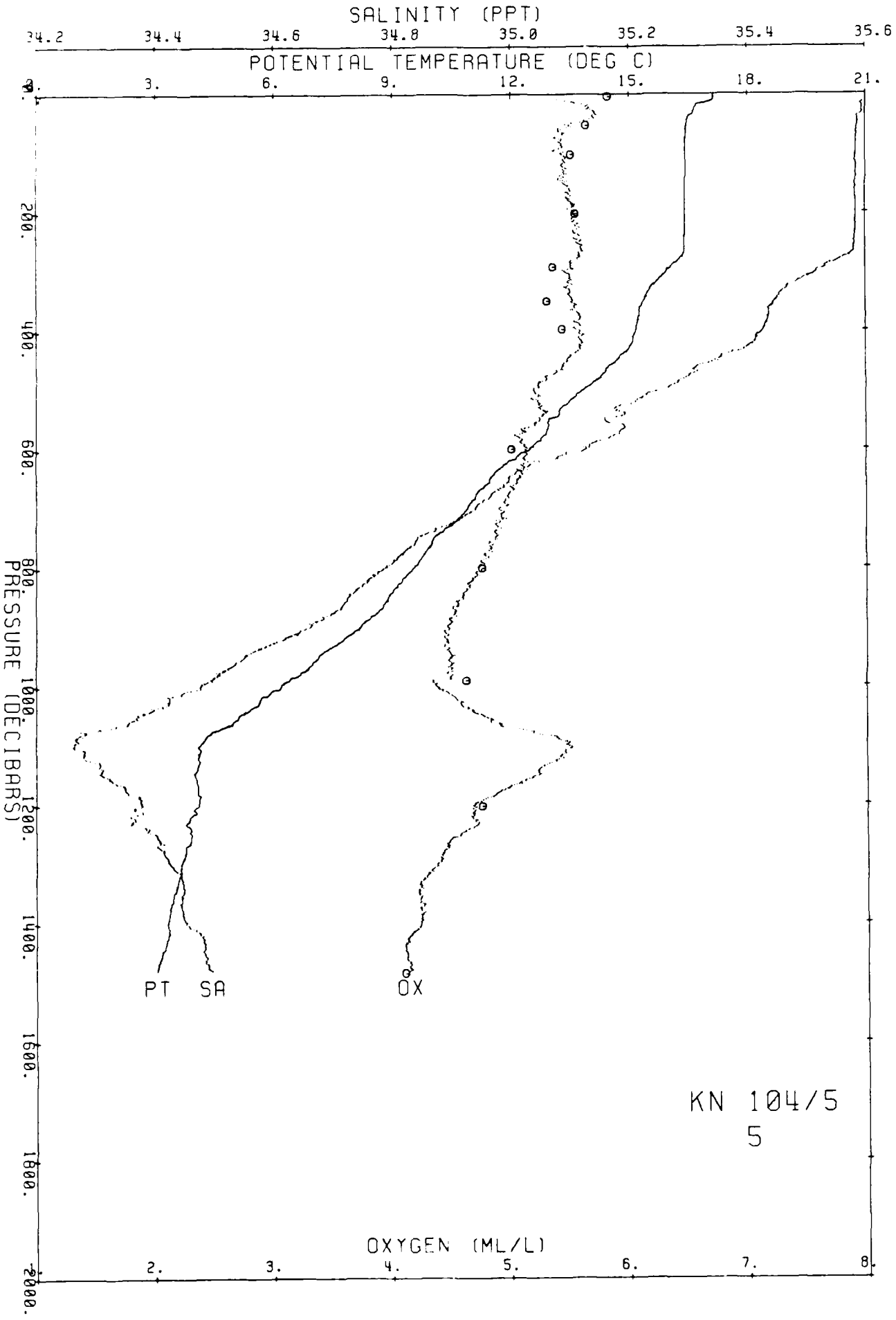
Ship KN Cruise 1045 Station 5 Cast 1 DT
Start 35 38.13 S 15 34.27 E at 15 83/11/18
End 35 35.30 S 15 34.50 E at 204

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	17.134	17.134	35.607	9.0	-9.0	25.949	30.264	34.483	38.611	42.649	204.5	0.00	0.00	0.0
10	17.129	17.128	35.603	5.4	99.8	25.948	30.262	34.482	38.610	42.647	205.0	.02	.71	10.0
20	16.703	16.700	35.594	5.6	103.0	26.043	30.365	34.592	38.726	42.771	196.4	.04	5.46	19.9
30	16.654	16.650	35.594	5.7	104.0	26.054	30.377	34.605	38.740	42.786	195.6	.06	1.93	29.9
40	16.511	16.505	35.587	5.7	103.8	26.083	30.408	34.639	38.776	42.824	193.2	.08	3.00	39.9
50	16.482	16.474	35.587	5.5	100.3	26.090	30.416	34.647	38.785	42.833	192.9	.10	1.50	49.8
60	16.459	16.450	35.586	5.4	98.6	26.095	30.422	34.653	38.791	42.840	192.8	.12	1.25	59.8
70	16.455	16.444	35.586	5.4	98.3	26.097	30.423	34.654	38.793	42.842	193.0	.14	.67	69.7
80	16.452	16.439	35.585	5.4	98.3	26.097	30.424	34.655	38.793	42.842	193.3	.16	.32	79.7
90	16.451	16.436	35.584	5.4	98.8	26.097	30.423	34.655	38.793	42.842	193.7	.18	.22	89.7
100	16.450	16.434	35.583	5.4	98.5	26.097	30.423	34.655	38.793	42.842	194.0	.20	.22	99.6
120	16.451	16.431	35.584	5.4	98.6	26.098	30.425	34.656	38.795	42.844	194.6	.23	.47	119.5
140	16.453	16.430	35.583	5.5	99.2	26.097	30.424	34.656	38.794	42.843	195.3	.27	.30	139.5
160	16.455	16.429	35.583	5.5	100.0	26.098	30.425	34.656	38.795	42.844	196.0	.31	.22	159.4
180	16.461	16.432	35.583	5.5	99.9	26.097	30.424	34.655	38.794	42.843	196.8	.35	.32	179.3
200	16.463	16.431	35.584	5.5	100.6	26.098	30.425	34.656	38.795	42.844	197.4	.39	.39	199.2
220	16.465	16.430	35.583	5.6	101.1	26.098	30.424	34.656	38.795	42.844	198.1	.43	.27	219.1
240	16.464	16.425	35.582	5.6	101.5	26.098	30.425	34.656	38.795	42.844	198.8	.47	.24	239.0
260	16.458	16.416	35.581	5.6	101.7	26.099	30.426	34.658	38.797	42.846	199.4	.51	.45	258.9
280	16.328	16.283	35.558	5.5	100.5	26.112	30.442	34.676	38.817	42.869	198.7	.55	1.48	278.8
300	16.011	15.964	35.518	5.5	98.3	26.155	30.491	34.731	38.877	42.934	195.2	.59	2.65	298.7
320	15.736	15.686	35.482	5.5	98.4	26.191	30.532	34.776	38.928	42.990	192.3	.63	2.42	318.6
340	15.507	15.454	35.455	5.5	97.9	26.223	30.567	34.816	38.972	43.037	189.9	.67	2.27	338.5
360	15.361	15.305	35.438	5.5	98.4	26.243	30.590	34.842	39.001	43.068	188.5	.70	1.82	358.4
380	15.307	15.249	35.436	5.6	99.3	26.254	30.603	34.855	39.015	43.083	188.1	.74	1.34	378.3
400	15.253	15.191	35.427	5.6	99.2	26.260	30.610	34.863	39.024	43.093	188.1	.78	.99	398.2
450	14.768	14.700	35.346	5.5	96.1	26.305	30.664	34.927	39.097	43.175	185.1	.87	1.76	447.9
500	13.941	13.868	35.255	5.2	89.6	26.413	30.788	35.067	39.251	43.344	175.7	.96	2.68	497.6
550	13.060	12.984	35.160	5.2	88.8	26.521	30.914	35.209	39.410	43.519	166.1	1.05	2.71	547.3
600	12.578	12.496	35.128	5.1	85.9	26.593	30.996	35.301	39.511	43.628	160.2	1.13	2.20	597.0
650	11.573	11.489	34.998	5.1	82.8	26.685	31.108	35.434	39.664	43.801	151.6	1.21	2.56	646.6
700	11.004	10.916	34.940	4.9	79.3	26.745	31.180	35.518	39.759	43.907	146.4	1.28	2.06	696.3
750	10.159	10.069	34.844	4.9	77.4	26.819	31.273	35.629	39.888	44.053	139.3	1.35	2.34	745.9
800	9.648	9.555	34.789	4.7	74.2	26.863	31.329	35.695	39.965	44.140	135.5	1.42	1.82	795.5
900	8.303	8.207	34.661	4.5	68.0	26.977	31.474	35.871	40.169	44.373	124.3	1.55	2.09	894.7
1000	6.279	6.186	34.476	4.4	63.4	27.115	31.661	36.105	40.450	44.698	108.6	1.67	2.40	993.8
1100	4.200	4.115	34.262	5.5	75.6	27.187	31.787	36.284	40.680	44.976	97.7	1.77	2.00	1092.8
1200	4.197	4.103	34.378	4.7	64.6	27.281	31.880	36.376	40.771	45.067	90.0	1.87	1.70	1191.8
1300	3.748	3.649	34.426	4.4	59.7	27.365	31.976	36.483	40.889	45.196	81.7	1.95	1.75	1290.8
1400	3.399	3.295	34.451	4.2	57.3	27.420	32.039	36.556	40.970	45.285	76.3	2.03	1.44	1389.7
1480	3.163	3.055	34.496	4.2	55.8	27.478	32.104	36.626	41.046	45.367	70.7	2.09	1.61	1468.7

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	17.089	17.088	35.607	5.82	5.0	0.25	1.6	0.03	1.12	25.960	30.276	34.496	38.624	42.662	3.9
13	17.065	17.063	35.605		4.2	0.21	1.3	0.04	1.64	25.965	30.281	34.501	38.630	42.669	13.2
27	16.657	16.653	35.597		4.9	0.21	1.8	0.05	1.78	26.056	30.379	34.607	38.742	42.787	27.1
53	16.476	16.467	35.589	5.64	5.3	0.27	2.7	0.19	0.75	26.093	30.419	34.650	38.788	42.837	52.4
103	16.456	16.439	35.587	5.51	4.8	0.31	2.9	0.35	0.54	26.098	30.425	34.656	38.795	42.844	101
203	16.464	16.431	35.585		5.5		3.3		1.36	26.099	30.426	34.657	38.796	42.845	200
203	16.465	16.432	35.585	5.55		0.32		0.33		26.099	30.425	34.657	38.795	42.844	201.0
292	16.202	16.155	35.546		5.7		4.2		0.85	26.133	30.465	34.701	38.845	42.898	289.6
292	16.200	16.153	35.545	5.36		0.36		0.02		26.133	30.464	34.701	38.844	42.898	290.0
349	15.485	15.431	35.456		5.6		4.7		0.54	26.229	30.574	34.823	38.979	43.045	346.3
350	15.477	15.422	35.455	5.31		0.42				26.230	30.575	34.825	38.981	43.047	347.4
397	15.294	15.232	35.439		4.9		3.5		2.75	26.260	30.609	34.862	39.021	43.090	393.5
397	15.293	15.231	35.439	5.44		0.43				26.260	30.609	34.862	39.022	43.091	393.9
496	14.205	14.132	35.291		6.2	0.64	7.5		0.65	26.385	30.755	35.029	39.208	43.296	491.3
600	12.568	12.486	35.124	5.01	6.8	0.79	10.7		0.54	26.592	30.995	35.300	39.510	43.628	594.9
700	11.063	10.975	34.951		9.1	1.07	14.4		0.75	26.743	31.177	35.514	39.754	43.900	693.1
800	9.647	9.554	34.793	4.76	10.5	1.39	18.6		0.91	26.866	31.332	35.699	39.968	44.144	792.5
898	8.251	8.155	34.657		17.3	1.67	22.6		3.31	26.982	31.480	35.878	40.178	44.382	889.2
990	6.597	6.503	34.503	4.63	21.7	2.00	25.8		2.51	27.095	31.633	36.070	40.407	44.648	980.6
1094	4.245	4.160	34.265		20.9	2.18	29.5		1.09	27.185	31.784	36.279	40.674	44.969	1083.4
1202	4.140	4.046	34.369	4.76	31.3	2.40	28.8		0.82	27.280	31.880	36.378	40.774	45.072	1190.0
1302	3.791	3.692	34.425		42.2	2.56	32.5		1.35	27.360	31.970	36.476	40.881	45.186	1287.9
1399	3.391	3.287	34.447		43.6	2.65	30.1		1.23	27.417	32.037	36.554	40.969	45.284	1384.4
1484	3.179	3.071	34.496	4.11	50.6	2.67	32.4		3.78	27.476	32.102	36.624	41.044	45.364	1467.8


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
OXYGEN (ML/L)
2.
3.
4.
5.
6.
7.
8.
KN 104/5
5

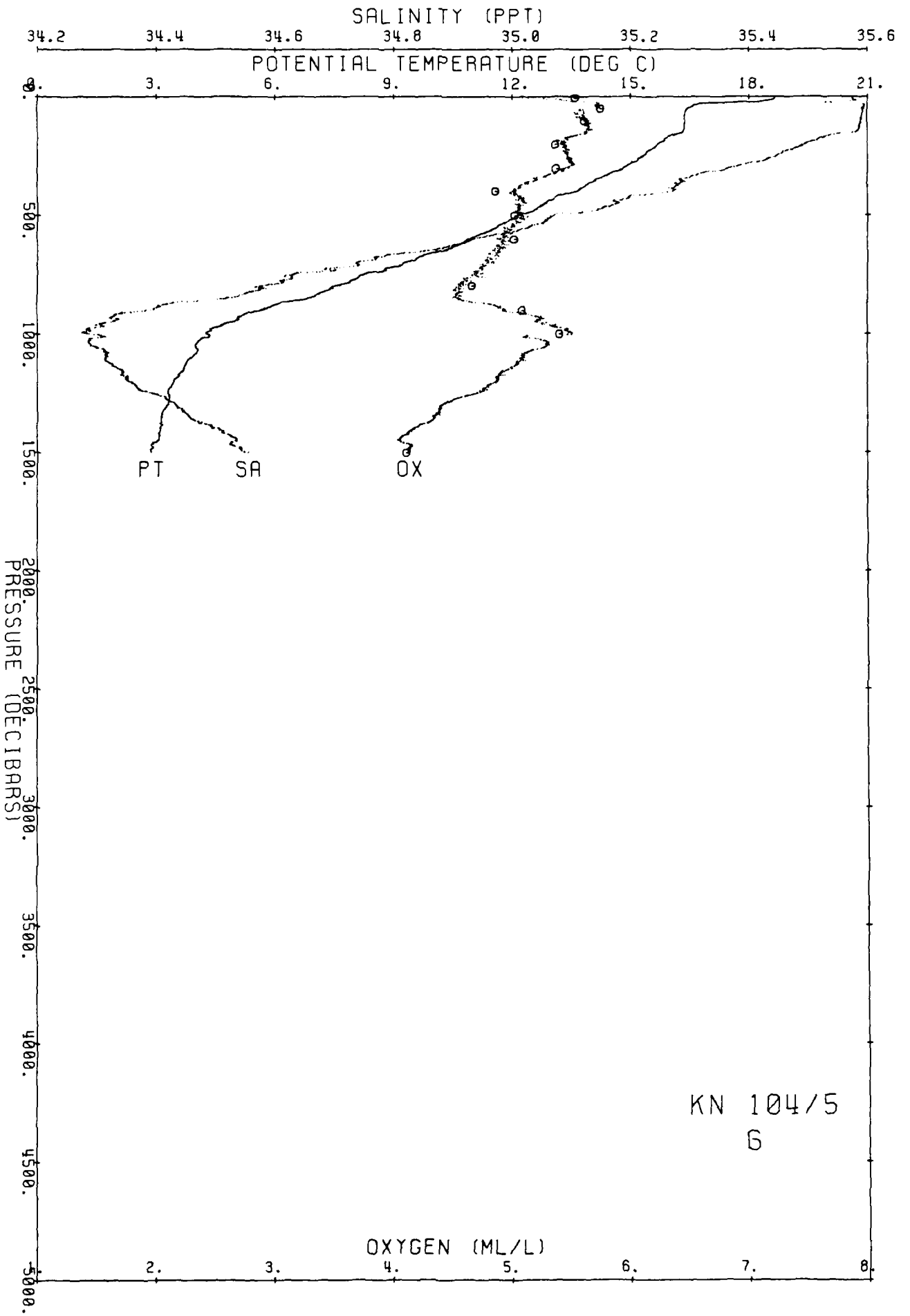

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3
3.6
3.9
4.2
4.5
4.8
5.1
5.4
5.7
6.0
6.3
KN 104/5
5

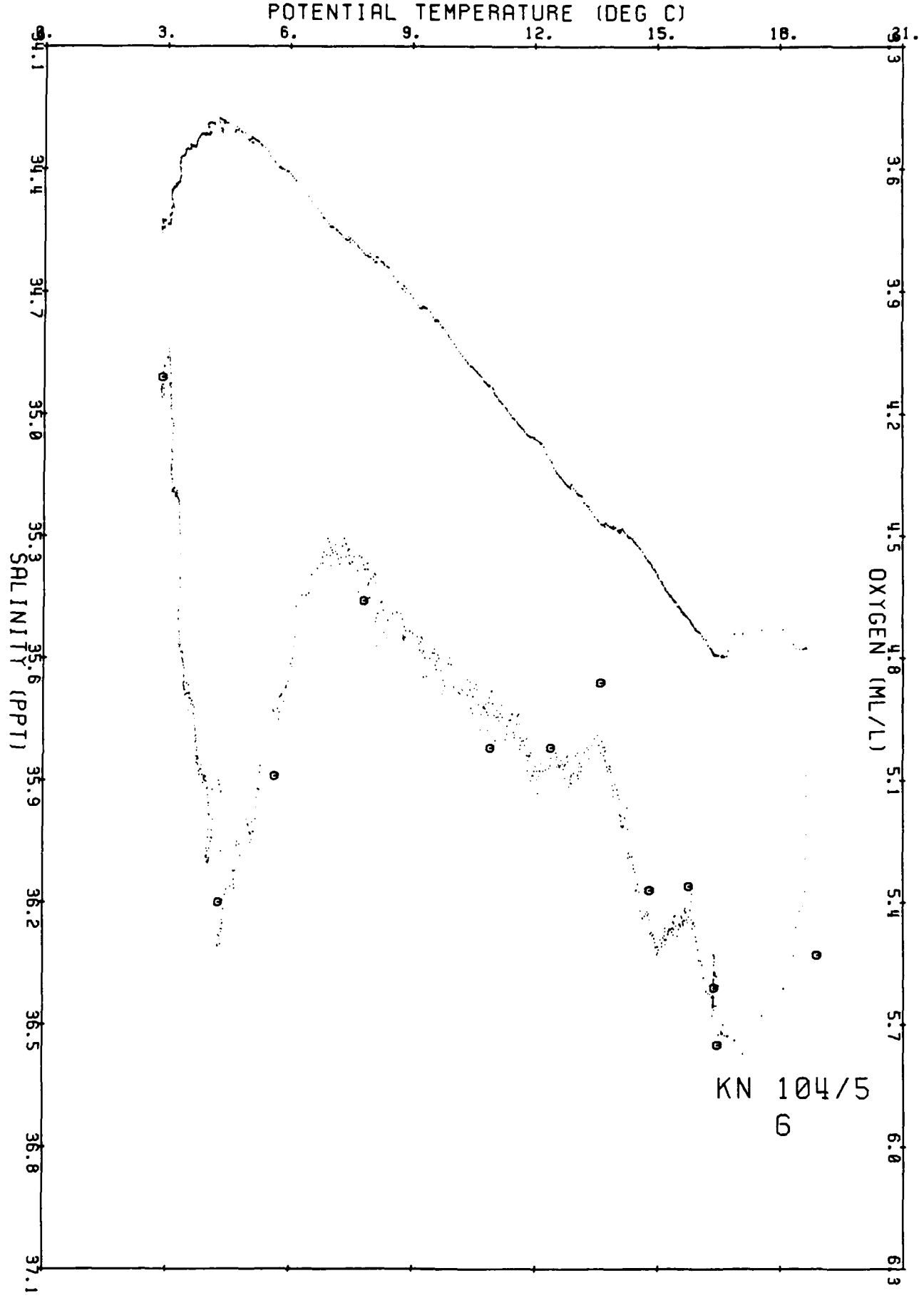

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PT
SA
OX
OXYGEN (ML/L)
2.
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4.
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KN 104/5
5

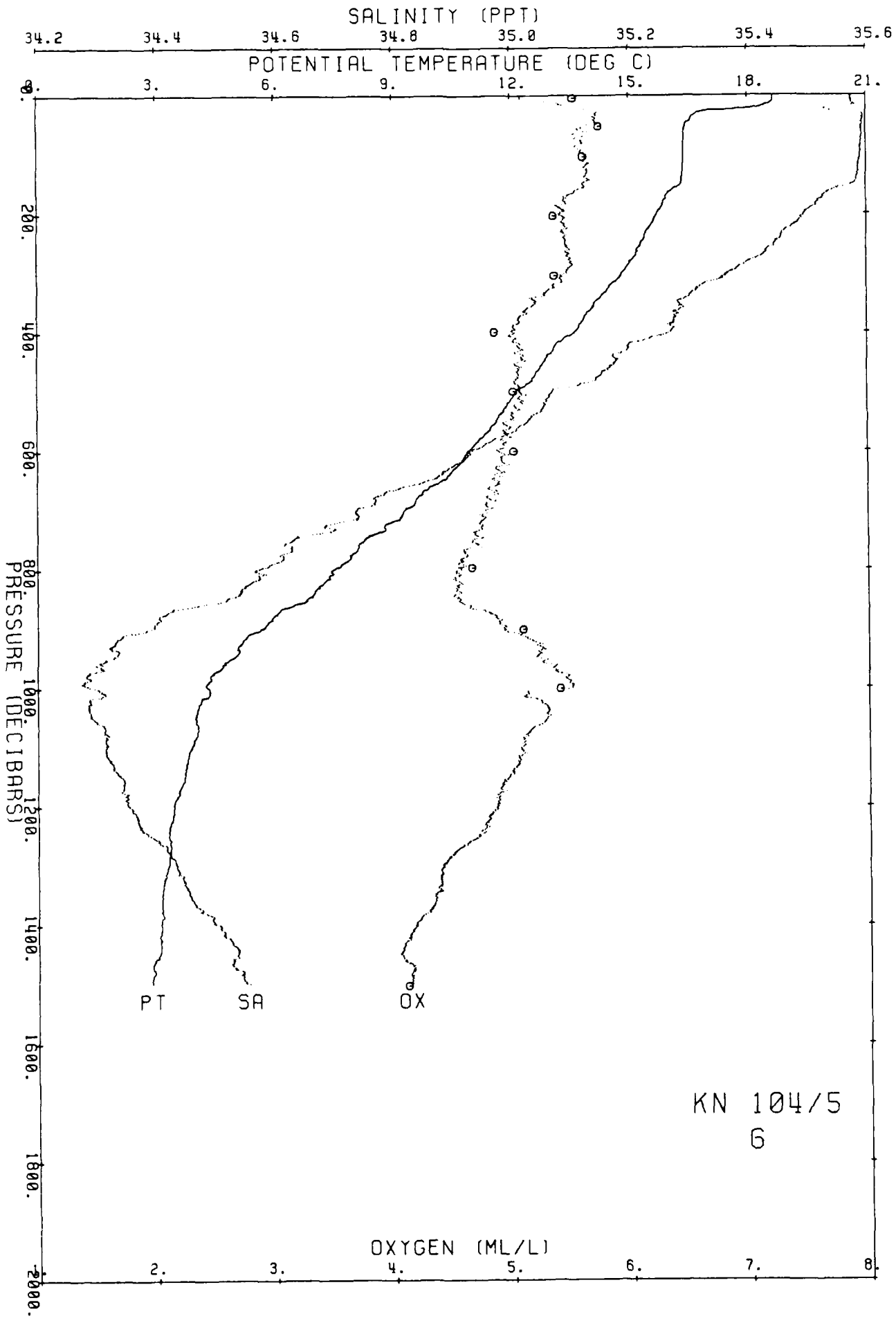
Ship KN Cruise 1045 Station 6 Cast 1 DT
Start 38 5.18 S 14 59.24 E at 621 83/11/16
End 38 6.16 S 15 1.16 E at 800

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	18 654	18 654	35 575	5 1	96 4	25 550	29 840	34 035	38 139	42 154	242 5	0 00	0.00	0.0
10	18 635	18 633	35 576	5 3	100 3	25.556	29 846	34 042	38 146	42 162	242 3	.02	1 39	10.0
20	18 337	18 334	35 567	5 5	104 2	25 624	29 919	34 120	38 229	42 249	236 1	.05	4.63	19 9
30	16 736	16 731	35 582	5 7	104 6	26 026	30 348	34 574	38 708	42 752	198.3	.07	11.23	29 9
40	16 591	16 585	35 596	5 7	104 3	26 071	30 395	34.624	38 760	42 807	194 3	09	3.77	39 9
50	16 452	16 444	35 594	5 7	102 7	26 103	30 429	34.660	38 799	42 847	191 7	11	3.14	49 8
60	16 424	16 415	35 593	5 6	101 8	26 109	30 436	34.667	38 806	42 855	191 5	13	1 39	59 8
70	16 410	16 399	35 592	5 6	101 8	26 112	30 439	34.671	38 810	42 860	191 5	.15	97	69 8
80	16 403	16 390	35 591	5 6	102 0	26 113	30 440	34 672	38 812	42 861	191 8	17	.63	79 7
90	16 402	16 387	35 590	5 6	101 2	26 113	30 440	34 672	38 812	42.861	192 1	.19	.22	89 7
100	16 400	16 384	35 590	5 6	102 2	26 114	30 441	34 673	38 813	42 863	192 4	20	.52	99 6
120	16 390	16 371	35 587	5 6	102 1	26 114	30 442	34 674	38 814	42 864	193 0	24	.33	119 6
140	16 375	16 352	35 585	5 7	102 6	26 117	30 445	34.678	38 818	42 868	193 4	.28	68	139 5
160	16 123	16 098	35 545	5 6	100 2	26 145	30 478	34.715	38 860	42.914	191.4	.32	2.12	159.4
180	15 899	15 871	35 518	5 5	98 1	26 177	30 514	34 755	38 903	42 962	189.0	36	2.24	179 3
200	15 738	15 707	35 495	5 4	96 9	26 196	30.536	34 781	38 932	42.993	187 8	.40	1 78	199 2
220	15 582	15.548	35 476	5 5	97 3	26 218	30.561	34.808	38 962	43.025	186 4	43	1.85	219 1
240	15 435	15 398	35 457	5 4	96 9	26 237	30 583	34.832	38 989	43.055	185 2	.47	1 76	239 0
260	15 248	15.208	35 433	5 5	97 5	26 261	30 610	34.863	39 024	43.093	183.5	.51	1 97	258 9
280	15 080	15.037	35 403	5 5	97 4	26 275	30 628	34 885	39 048	43 120	182.7	54	1 56	278 8
300	14.875	14.830	35 366	5 5	96 3	26 292	30 649	34.910	39 077	43 153	181.6	.58	1.69	298 7
320	14.581	14.533	35 323	5.4	93 6	26 324	30.686	34.952	39 125	43.206	179.1	.62	2.27	318 6
340	14.341	14 291	35 301	5.2	90.7	26 359	30.726	34.996	39.173	43 259	176.2	65	2.39	338.5
360	14.106	14.053	35 288	5 1	88 8	26 399	30 771	35.046	39 227	43 316	172.9	69	2.56	358 4
380	13 884	13 829	35 276	5 1	87 3	26 437	30 813	35.092	39 277	43 371	169 8	72	2 48	378 3
400	13 680	13.623	35 270	5 0	86 3	26 476	30 855	35 138	39 327	43 424	166.6	75	2.50	398.2
450	12 899	12 837	35 177	5 1	85 2	26 563	30 959	35 257	39 461	43 572	159.1	84	2.43	447 9
500	12 193	12 126	35 070	5 1	84 3	26 620	31 030	35 343	39 560	43.685	154 5	91	1.99	497 6
550	11 699	11.628	35 029	5 0	81 5	26 683	31 104	35 426	39 653	43 787	149.4	99	2.07	547 3
600	10 972	10 897	34 930	4 9	79 1	26 740	31 177	35 515	39 756	43 905	144.4	1 06	2.04	596.9
650	10 319	10 241	34 858	4 9	77 7	26 800	31 251	35 603	39 858	44.020	139.0	1 14	2.08	646 6
700	9 365	9 285	34 738	4 8	74 5	26 867	31 340	35 712	39 988	44 169	132.5	1.20	2.26	696.2
750	8 342	8 263	34 630	4 7	71 0	26 944	31 440	35 836	40 134	44 336	124.6	1 27	2.42	745 8
800	7 562	7 482	34 570	4 6	68 3	27 012	31 527	35 940	40 256	44.475	117 7	1.33	2.27	795 4
900	5 716	5.637	34 385	4.9	70 5	27 112	31 672	36 130	40 489	44 749	106 2	1 44	2.08	894 6
1000	4 405	4 327	34 301	5 5	76 2	27 196	31 790	36 281	40 671	44.962	96.5	1.54	1.90	993.7
1100	3.969	3.886	34.315	5 1	69 4	27 253	31 858	36 361	40.761	45.063	91.0	1.63	1.47	1092.7
1200	3 532	3.444	34 355	4 9	66 0	27 329	31 945	36 459	40 870	45 182	83.6	1.72	1.66	1191.7
1300	3 391	3.296	34 433	4 4	59.6	27 405	32 025	36 542	40.956	45.271	76.8	1.80	1.58	1290.6
1400	3 212	3.110	34 506	4 2	56 2	27 481	32.105	36.626	41.045	45.364	70.0	1.88	1.59	1389 5
1499	2 992	2.885	34 556	4 1	55 4	27 541	32.171	36.698	41.122	45.446	64.3	1.94	1.47	1487.4

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	18 895	18 894	35 560	5 53	4 2	0 20	1 2	0.01	0.42	25 478	29 763	33.955	38 056	42 067	4.8
13	18 734	18 732	35 568		3 8	0 16	1.2	0.01	0.20	25.525	29.813	34.008	38 110	42.125	12.9
29	16.915	16.910	35 555		4 5	0 21	1.4	0.06	0.22	25.963	30.281	34.505	38 636	42.678	28 5
53	16 465	16.457	35 590	5 75	5 0	0 23	1.9	0 14	0.29	26.097	30.423	34.654	38 792	42.841	52.1
103	16.396	16.379	35 590	5 61	4 8	0 24	2.1	0.24	0.55	26 115	30.442	34.675	38 814	42 864	102 0
103	16.399	16.382	35 589							26.113	30.441	34.673	38 813	42.862	102.3
153	16.368	16.343	35.582		3.8	0 27	2.3	0.30	0.41	26.117	30.445	34.678	38.818	42.869	151.9
204	15 802	15.770	35 504	5 36	4 7	0 39	4.4	0 02	0.20	26.189	30.528	34.771	38.921	42.981	202 0
304	14.854	14.808	35 363	5 37	5 3	0 48	5.0		0.49	26.295	30.652	34.913	39 080	43.157	301.6
400	13.663	13.606	35 268	4 86	7 1	0 70	9.6		0.39	26.478	30.858	35.141	39 330	43.427	396 1
499	12.455	12.387	35 118	5 02	5 8	0 88	11.6		0.20	26 606	31.011	35.319	39 531	43 651	494 7
600	10 977	10.902	34.963	5 02	8 3	1 14	14.6		0.37	26 765	31.201	35.539	39 780	43.928	594.8
696	9 627	9 546	34 768		9 5	1 38	18 5		0.20	26.848	31.314	35.681	39.951	44.127	689.8
796	7 895	7 812	34 606	4 66	16 6	1 77	23.3			26.993	31.499	35 905	40.213	44.424	788 8
902	5 704	5 625	34 378							27 108	31.669	36.127	40 486	44.747	892.8
902	5 724	5.645	34 384	5 09	18 3	2 09	27 9			27 110	31.670	36 128	40.486	44.747	892 7
1001	4 359	4 281	34 282	5 40	14 8	2 23	18.3		0.63	27.186	31.781	36.273	40 665	44.957	991 2
1001	4 354	4 276	34 279							27.184	31.779	36.272	40 664	44.956	991 3
1095	4 016	3 932	34 308							27 243	31.847	36 348	40.748	45.048	1084.1
1205	3 532	3 443	34 350		30 8	2 52	27 0			27.325	31.942	36.455	40.866	45.178	1192.8
1300	3 401	3 306	34 424							27.397	32.017	36.533	40.948	45.262	1286.3
1402	3 216	3.114	34 503		43 4	2 68	27.7		0.23	27 478	32.102	36.623	41.042	45.361	1387.2
1502	2 998	2 890	34 555	4 11		2 68				27 540	32.170	36.696	41 120	45.444	1485.4
1503	3 002	2 894	34 559		45 7		27 5			27 543	32.173	36.699	41 123	45.446	1486 2


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
OXYGEN (ML/L)
2.
3.
4.
5.
6.
7.
8.
KN 104/5
6

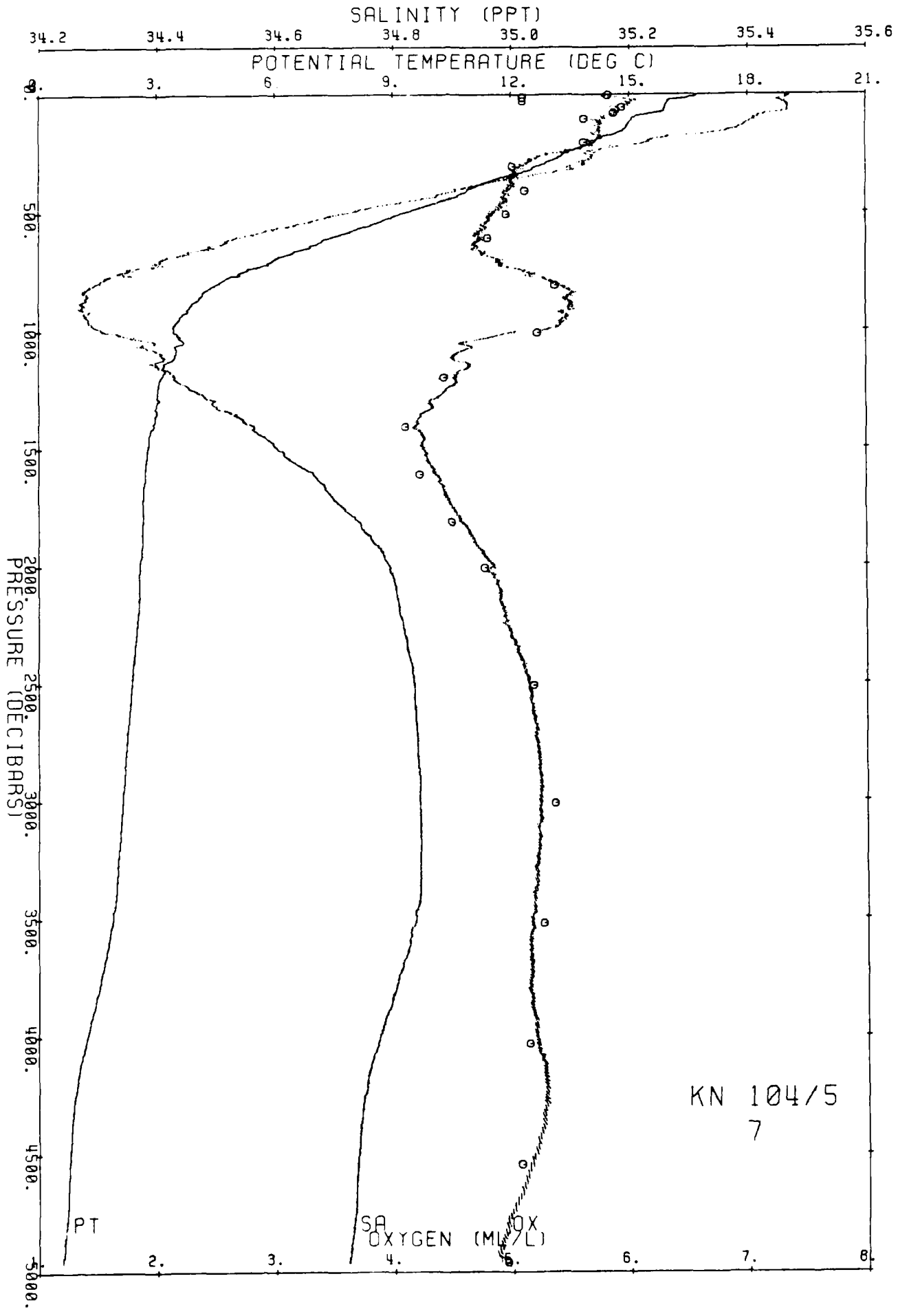

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
5.4
5.7
6.0
6.3
KN 104/5
6

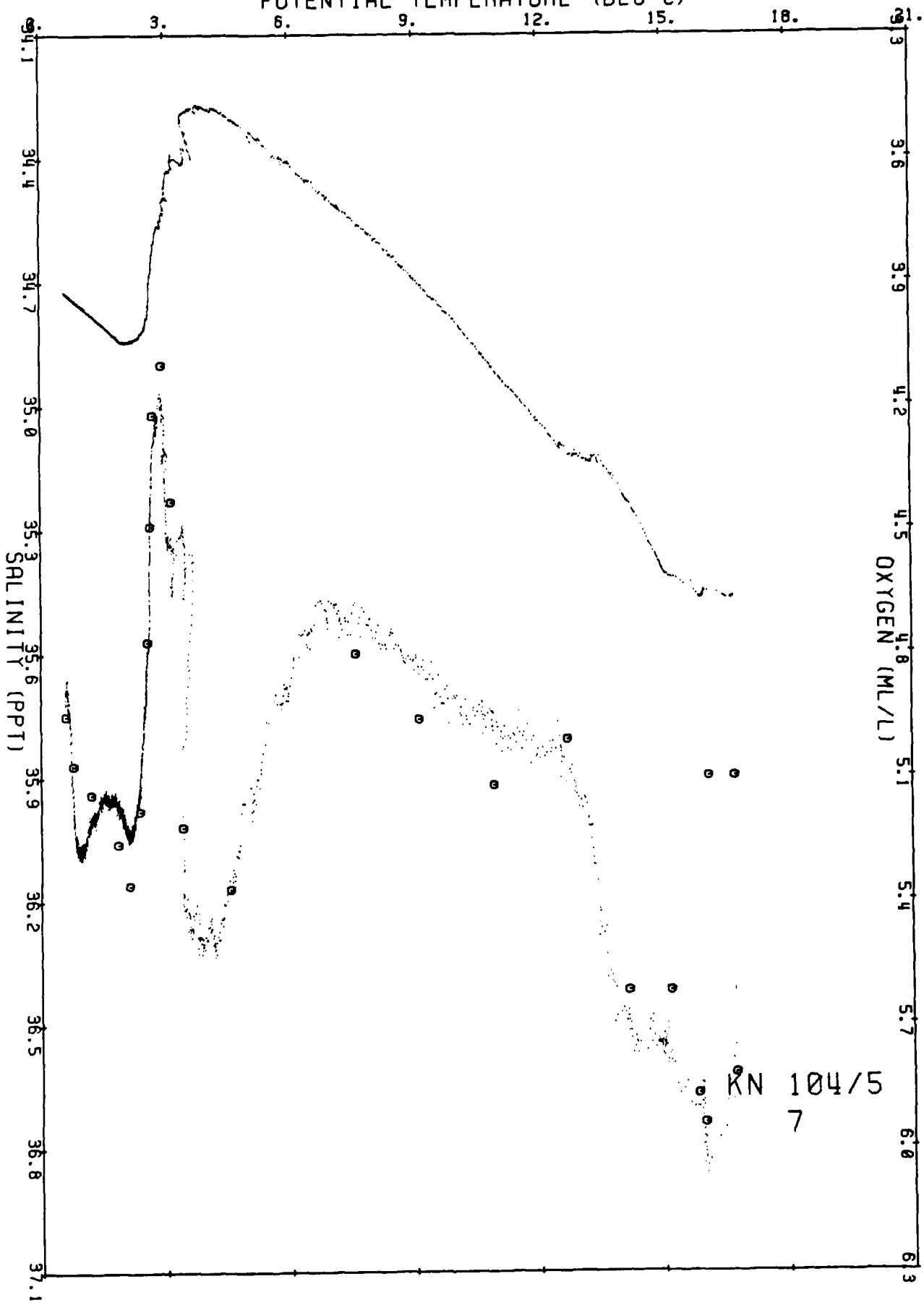

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
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6.
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12.
15.
18.
21.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
PT
SA
OX
KN 104/5
6
OXYGEN (ML/L)
2.
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4.
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8.

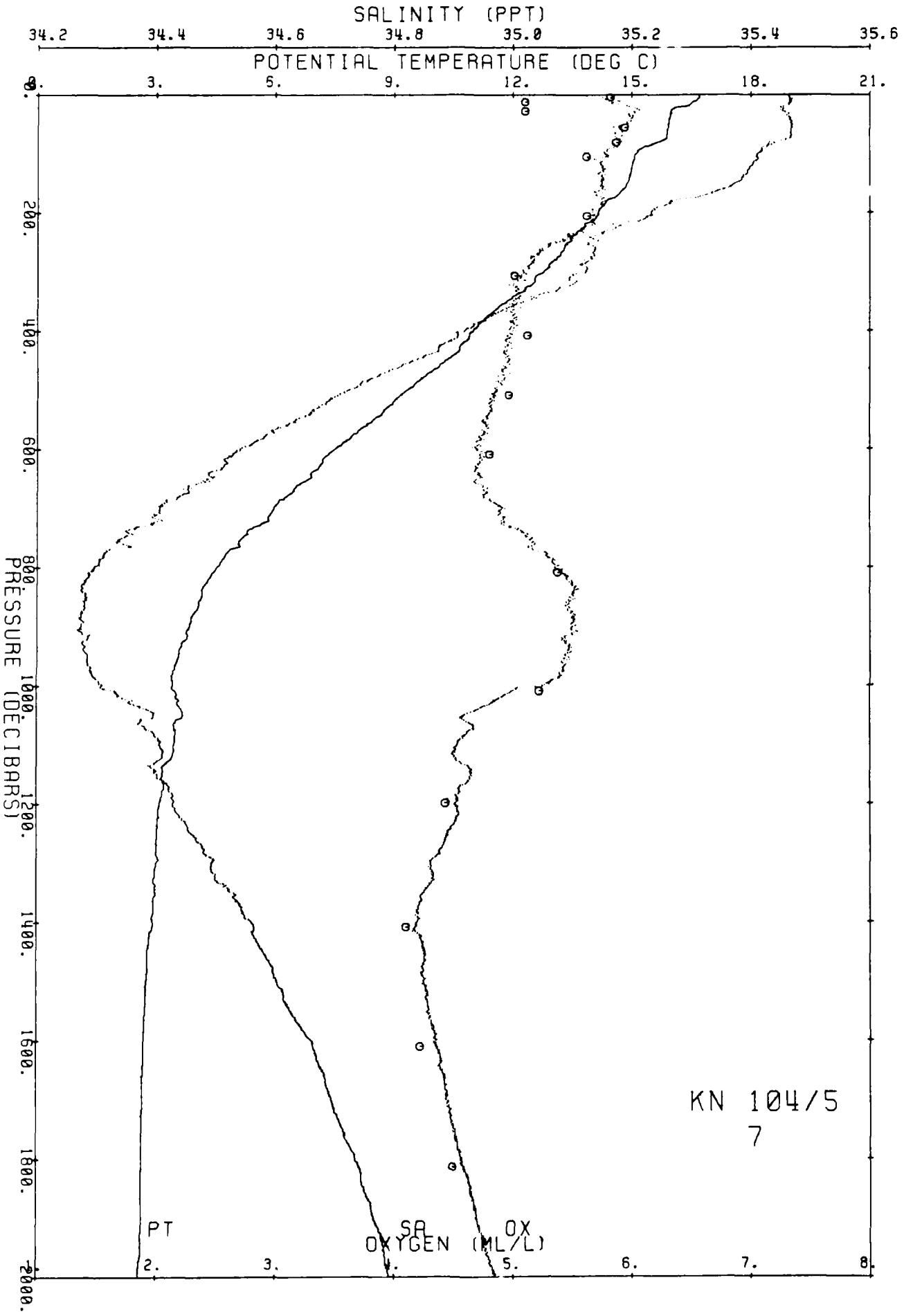
Ship KN Cruise 1045 Station 7 Cast 1 DT
Start 36 32.67 S 14 24.16 E at 1314 83/11/16
End 36 34.05 S 14 24.08 E at 1725

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	16.702	16.702	35.464	5.6	102.4	25.942	30.265	34.493	38.628	42.673	205.2	0.00	0.00	0.0
10	16.639	16.637	35.468	5.9	107.2	25.961	30.285	34.513	38.649	42.696	203.8	.02	2.41	10.0
20	16.323	16.320	35.455	6.0	108.2	26.025	30.354	34.588	38.730	42 781	198.0	.04	4.49	19.9
30	15.993	15 988	35.458	6.0	108.4	26.104	30.439	34.679	38.826	42.882	190.9	.06	4.98	29.9
40	15.960	15.954	35.467	6.0	107.7	26.118	30.454	34.695	38.842	42.899	189.8	.08	2.16	39 9
50	15.930	15 922	35.469	6.0	107.7	26.127	30.464	34.704	38.852	42.910	189.3	.10	1.66	49.8
60	15.914	15.905	35.468	5.9	106.4	26.130	30.467	34.708	38.856	42.914	189.3	.12	.99	59.8
70	15.897	15.886	35.468	5.9	106.1	26.135	30.472	34.713	38.862	42.920	189.3	.14	1.17	69.7
80	15.718	15.706	35.431	5.9	105.6	26.147	30.488	34.733	38.884	42.946	188.4	.15	2.00	79.7
90	15.295	15 281	35.419	5.8	103.7	26.234	30.582	34.834	38.993	43.061	180.5	.17	5.22	89.7
100	15.124	15.109	35.411	5.8	102.1	26.266	30.617	34.872	39.034	43.105	177.7	.19	3.19	99.6
120	15.034	15 016	35.402	5.8	101.5	26.279	30.632	34.889	39.053	43.126	177.1	.23	1.46	119.5
140	14.960	14.939	35.387	5.8	101.4	26.285	30.639	34.898	39.063	43.137	177.2	.26	.93	139.4
160	14.814	14.790	35.355	5.8	101.1	26.293	30.650	34.911	39.079	43.156	177.1	.30	1.15	159.4
180	14.374	14.347	35.265	5.8	100.4	26.319	30.685	34.955	39.131	43.216	175.1	.33	2.09	179.3
200	14.177	14.148	35.232	5.7	98.4	26.336	30.706	34.980	39.159	43.248	174.0	.37	1.67	199.2
220	13.837	13.806	35.168	5.7	97.9	26.358	30.736	35.016	39.202	43.296	172.3	.40	1.94	219.1
240	13.531	13 497	35.125	5.5	93.4	26.389	30.773	35.059	39.251	43.351	169.9	.44	2.25	239.0
260	13.331	13.295	35.139	5.3	89.8	26.442	30.829	35.119	39.314	43.418	165.4	.47	2.89	258.9
280	13.093	13.054	35.120	5.2	87.6	26.476	30.867	35.162	39.362	43.470	162.7	.50	2.35	278.8
300	12.824	12.783	35.122	5.1	85.7	26.532	30.929	35.228	39.433	43.546	157.8	.53	3.00	298.7
320	12.541	12.498	35.101	5.0	83.7	26.572	30.974	35.280	39.490	43.608	154.4	.57	2.56	318.6
340	12.073	12.029	35.038	5.1	83.7	26.614	31.026	35.341	39.561	43.687	150.6	.60	2.66	338.5
360	11.661	11.615	34.991	5.0	82.1	26.656	31.077	35.400	39.628	43.762	146.9	.63	2.65	358.3
380	11.319	11.271	34.951	5.0	81.9	26.688	31.117	35.447	39.682	43.823	144.1	.66	2.36	378.2
400	11.040	10.991	34.918	5.0	81.3	26.714	31.149	35.485	39.725	43.872	142.0	.68	2.09	398.1
450	10.344	10.290	34.830	5.0	79.1	26.770	31.220	35.571	39.825	43.986	137.3	.75	1.97	447.8
500	9.390	9.334	34.723	4.9	75.8	26.848	31.319	35.691	39.966	44.146	130.1	.82	2.35	497.5
550	8.535	8.477	34.635	4.8	72.6	26.915	31.406	35.797	40.090	44.288	123.8	.88	2.21	547.1
600	7.564	7.504	34.541	4.7	70.3	26.986	31.500	35.914	40.229	44.447	116.7	.94	2.30	596.8
650	6.907	6.846	34.487	4.7	69.0	27 036	31.566	35.995	40.325	44.558	111.9	1.00	1.93	646.4
700	6.029	5.967	34.407	4.9	70.8	27.089	31.640	36.090	40.441	44.694	106.3	1.06	2.05	696.0
750	5.237	5.175	34.342	5.2	72.9	27.133	31.705	36.175	40.545	44.816	101.4	1.11	1.93	745.6
800	4.586	4.524	34.296	5.3	74.4	27.171	31.760	36.246	40.631	44.918	97.2	1.16	1.77	795.2
900	3.907	3.840	34.273	5.5	75.2	27.224	31.831	36.335	40.737	45.040	91.7	1.25	1.47	894.4
1000	3.499	3.428	34.309	5.2	71.0	27.294	31.911	36.425	40 838	45 150	85.1	1.34	1.57	993.5
1100	3.538	3.458	34.407	4.5	61.4	27.369	31.985	36.497	40.908	45.219	79.1	1.42	1.51	1092.5
1200	3.184	3.099	34.429	4.5	60.7	27.420	32.046	36.567	40.987	45.307	74.0	1.50	1.39	1191.5
1300	3.113	3.021	34.495	4.3	57.8	27.480	32.107	36.630	41.051	45.373	69.0	1.57	1.39	1290.4
1400	3.029	2.929	34.561	4.2	56.3	27.541	32.170	36.695	41.118	45.441	63.8	1.64	1.41	1389.3
1500	2.876	2.769	34.603	4.2	56.7	27.589	32.222	36.751	41.178	45.504	59.5	1.70	1.29	1488.1
1600	2.818	2.704	34.661	4.3	58.0	27.641	32.275	36.806	41.234	45.561	55.1	1.76	1.30	1586.9
1700	2.786	2.664	34.695	4.4	59.2	27 672	32.307	36.838	41.267	45.595	52.8	1.81	1.00	1685.6
1800	2.783	2.652	34.734	4.6	60.8	27.704	32.339	36.870	41.299	45.627	50.5	1.86	1.00	1784.3
1900	2.772	2.632	34.766	4.7	62.4	27.732	32.367	36.898	41.327	45.656	48.7	1.91	.93	1882.9
2000	2.720	2.572	34.791	4.8	64.5	27.757	32.393	36.926	41.356	45.686	46.8	1.96	.93	1981.5
2100	2.703	2 547	34.803	4.9	65.2	27.769	32.406	36.939	41.370	45.700	46.3	2.01	.63	2080.0
2200	2.689	2.524	34.810	5.0	65.9	27.776	32.414	36.948	41.379	45.710	46.1	2.05	.52	2178.5
2300	2.642	2.468	34.819	5.0	66.5	27.788	32.427	36.962	41.395	45.728	45.4	2.10	.69	2276.9
2400	2.591	2.408	34.828	5.1	67.4	27.800	32.441	36.978	41.412	45.746	44.6	2.14	.70	2375.3
2500	2.554	2.363	34.833	5.2	68.4	27.808	32.450	36.988	41.424	45.758	44.3	2.19	.58	2473.7
2600	2.511	2.311	34.836	5.2	68.7	27.815	32.459	36.998	41.434	45.771	44.0	2.23	.56	2572.0
2700	2.467	2.258	34.838	5.2	69.1	27.821	32.466	37.007	41.444	45.782	43.8	2.27	.55	2670.2
2800	2.432	2.214	34.840	5.2	69.1	27.826	32.472	37.014	41.453	45.792	43.6	2.32	.51	2768.4
2900	2.399	2.172	34.843	5.2	69.2	27.832	32.480	37.022	41.463	45.802	43.4	2.36	.53	2866.6
3000	2.364	2.127	34.842	5.2	69.3	27.835	32.484	37.028	41.469	45.810	43.5	2.41	.44	2964.7
3200	2.299	2.043	34.844	5.2	68.9	27.844	32.494	37.041	41.484	45.827	43.3	2.49	.49	3160.9
3400	2.227	1.952	34.842	5.2	68.3	27.849	32.503	37.051	41.497	45.842	43.3	2.58	.46	3356.8
3600	2.062	1.770	34.825	5.1	67.4	27.850	32.508	37.062	41.513	45.863	42.8	2.66	.53	3552.6
3800	1.825	1.518	34.802	5.2	67.1	27.850	32.516	37.077	41.535	45.891	41.4	2.75	.64	3748.2
4000	1.552	1.231	34.776	5.2	67.4	27.850	32.524	37.093	41.559	45.923	39.6	2.83	.69	3943.6
4200	1.303	.967	34.753	5.3	67.7	27.849	32.531	37.108	41.581	45.952	37.7	2.91	.68	4138.8
4400	1.179	.825	34.741	5.2	67.1	27.849	32.535	37.116	41.593	45.968	37.0	2.98	.51	4333.9
4600	1.136	.760	34.735	5.1	65.6	27.848	32.536	37.119	41.598	45.975	37.1	3.06	.34	4528.8
4800	1.094	.697	34.731	4.9	63.2	27.849	32.539	37.124	41.604	45.983	37.0	3.13	.38	4723.5
4961	1.014	.601	34.722	4.9	62.4	27.848	32.541	37.128	41.611	45.992	36.5	3.19	.48	4880.1

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	16.708	16.707	35.463	5.82	3.0	0.28	0.7	0.01	0.20	25.940	30.263	34.491	38.626	42.671	4.1
13	16.712	16.710	35.462	5.10	4.6	0.24	1.1	0.01		25.939	30.262	34.489	38.624	42.669	12.5
28	16.090	16.086	35.451	5.10	4.7	0.24	1.1	0.02	0.25	26.076	30.410	34.648	38.793	42.848	27.5
56	15.968	15 959	35.470	5.94	3.2	0.22	0.7	0.03		26.120	30.455	34.695	38.843	42.900	55.1
81	15 811	15.798	35.457	5 87	4.6	0.24	1.6	0.07		26.146	30.485	34.728	38.878	42.938	80.2
105	15.169	15.153	35.407	5.62	4.7	0.34	3.1	0.64		26.253	30.603	34.858	39.019	43.090	104.2
206	14.173	14.143	35.235	5 62	4.8	0.40	4.7	0.02	0.25	26.339	30.710	34.983	39.163	43.251	203.9
306	12.726	12.684	35.097	5.01	6.6	0.77	4.0			26.532	30.931	35.233	39.440	43.554	303.8
408	10.964	10.913	34.905	5.12	7.7	1.07	4.6		0.25	26.718	31.154	35.492	39.734	43.882	404.0
509	9.175	9.118	34.700	4.96	9.5	1.45	5.7			26.865	31.341	35.718	39.997	44.181	504.2
609	7.648	7.587	34.549	4.80	13.9	1.76	8.3			26 981	31.493	35.904	40.217	44 434	603.4
809	4.616	4.552	34.293	5.37	20.4	2.15	12.3			27.165	31.753	36.239	40.624	44.910	801.0
1009	3.478	3.406	34.289	5.22	30.9	2 42	18.5			27 280	31.898	36 413	40.826	45.139	999.3
1199	3.230	3.145	34.412	4.43	44.5	2.59	26.7			27 403	32.027	36 547	40.966	45.285	1187.0
1409	3.028	2.927	34.558	4.10	56.2	2.67	33.7			27 539	32.168	36 693	41.116	45.439	1393.7
1610	2.816	2.701	34.651	4.22	58.3	2.45	35.0			27 634	32 268	36.798	41.226	45.554	1592.3
1814	2.782	2 650	34.728	4.49	53.9	2.30	32.4			27 700	32.335	36 866	41 295	45.623	1792.3
2010	2.723	2.574	34.784	4.77	50.4	2.15	30.3		0 31	27 751	32.388	36.920	41.351	45.681	1985.2
2508	2.553	2 361	34.835	5.18	49.7	1.95	29.8			27 810	32 452	36 990	41.425	45.760	2474.9
3011	2.358	2.120	34.842	5.36	52.5	1.92	31.5			27 836	32 484	37 029	41 470	45 811	2968.2
3520	2.128	1.843	34.832	5.26	58.0	1.96	34.8			27 850	32.506	37 058	41.507	45.855	3465.7
4031	1.525	1.201	34.776	5.14	80.4	2.35	48.3			27 852	32 527	37 097	41.564	45 928	3964.3
4543	1 142	0.773	34.736	5.07	87 7	2 40	52.6			27 848	32 536	37 119	41.597	45.973	4462 8
4961	1.014	0 600	34.723	4.95	95.5	2.45	57.3			27 849	32 542	37 129	41.612	45.993	4868.2


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
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PRESSURE (DECIBARS)
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SA
OX
OXYGEN (ML/L)
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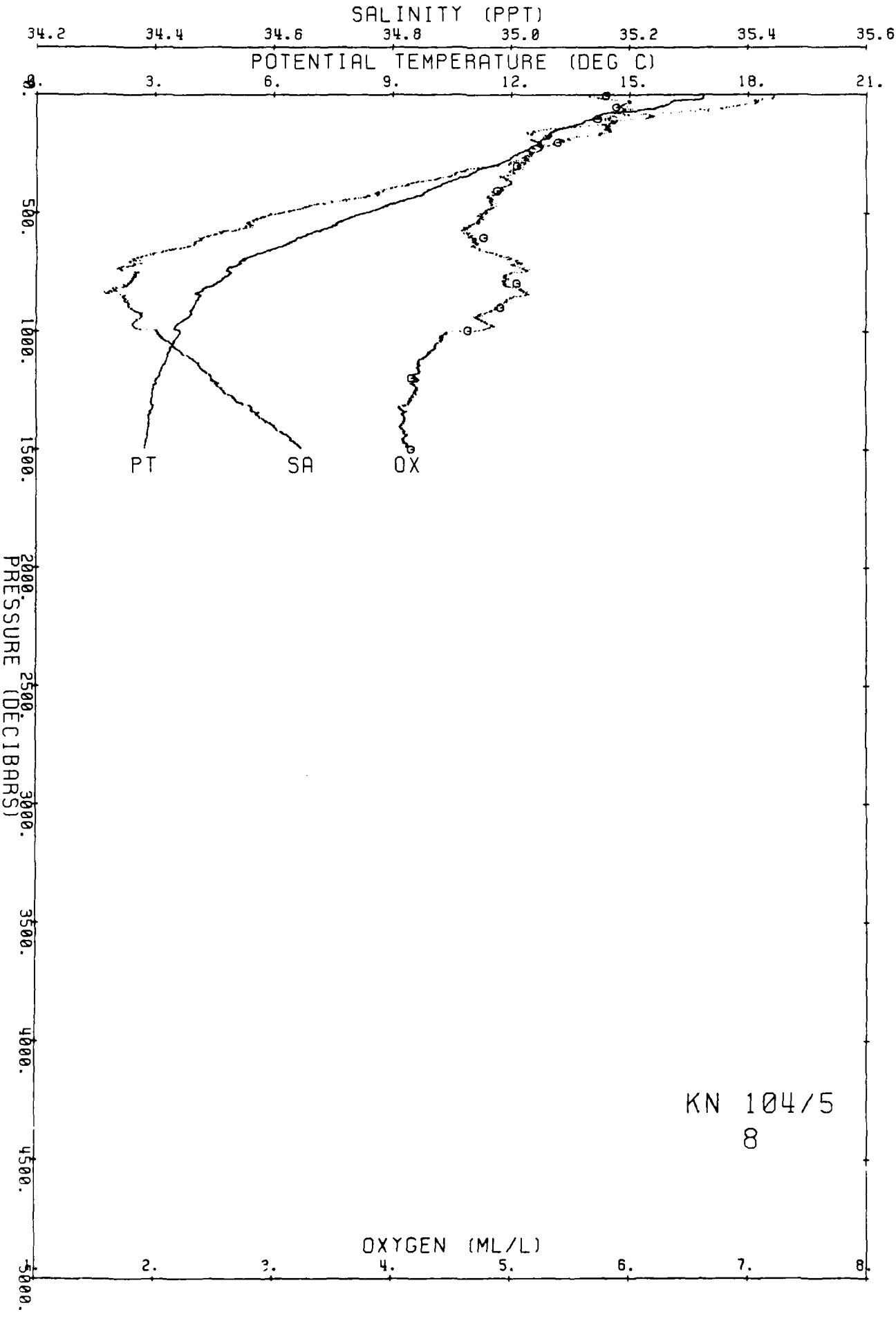

POTENTIAL TEMPERATURE (DEG C)
0.
3.
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21.
SALINITY (PPT)
34.1
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35.0
35.3
35.6
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36.8
37.1
OXYGEN (ML/L)
3.3
3.6
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KN 104/5
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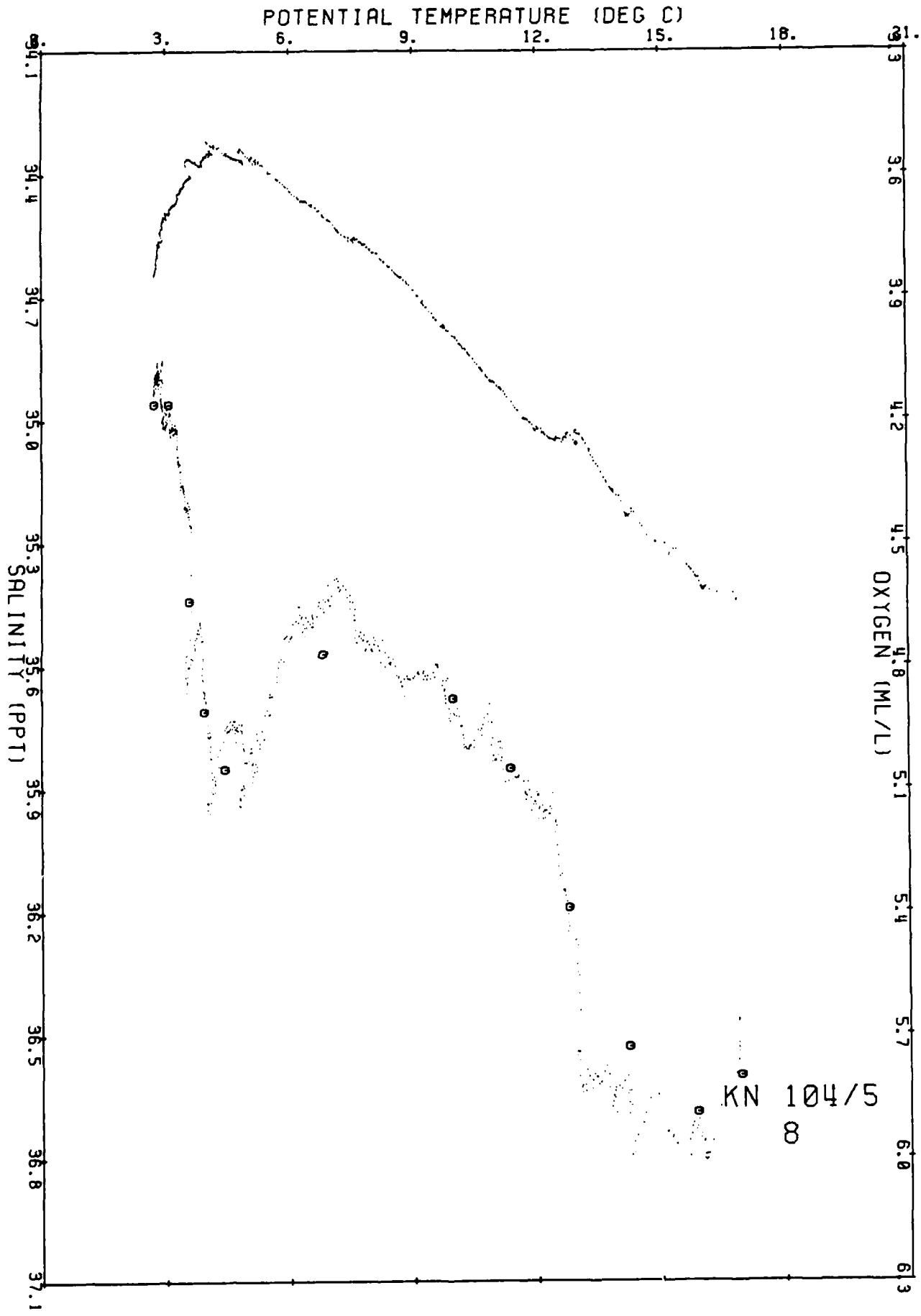

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
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200.
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600.
800.
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1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
KN 104/5
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PT
SA
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OXYGEN (ML/L)
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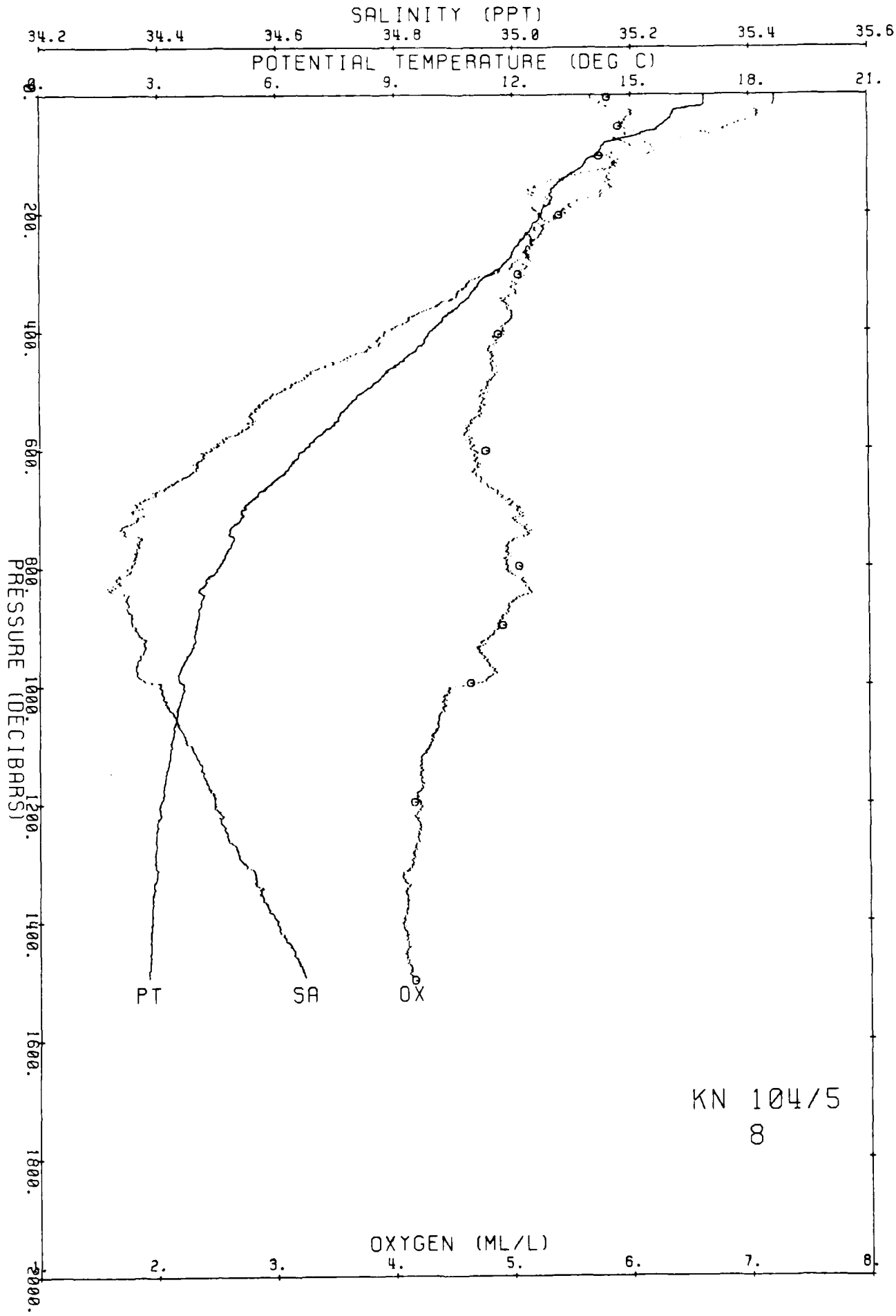
Ship KN Cruise 1045 Station 8 Cast 1 DT
Start 37 1.02 S 13 48.54 E at 2235 83/11/16
End 37 2.60 S 13 49.12 E at 25

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	16.868	16.868	35.443	5.7	103.6	25.887	30.207	34.432	38.565	42.608	210.4	0.00	0.00	0.0
10	16.871	16.869	35.444	5.7	104.7	25.887	30.207	34.432	38.565	42.608	210.8	.02	.32	10.0
20	16.791	16.788	35.425	5.8	105.9	25.892	30.214	34.440	38.574	42.618	210.7	.04	1.22	19.9
30	16.076	16.071	35.417	6.0	107.9	26.053	30.387	34.626	38.771	42.827	195.7	.06	7.11	29.9
40	16.008	16.002	35.409	6.0	107.2	26.063	30.398	34.638	38.785	42.842	195.1	.08	1.76	39.9
50	15.832	15.824	35.376	5.9	106.3	26.078	30.417	34.660	38.810	42.870	194.0	.10	2.19	49.8
60	15.672	15.663	35.358	6.0	107.1	26.101	30.443	34.689	38.841	42.904	192.1	.12	2.68	59.8
70	15.140	15.129	35.303	5.9	104.9	26.178	30.530	34.785	38.947	43.019	185.1	.14	4.93	69.7
80	14.389	14.377	35.228	5.9	103.4	26.284	30.650	34.919	39.095	43.179	175.2	.16	5.79	79.7
90	14.264	14.251	35.237	5.9	101.9	26.318	30.686	34.958	39.136	43.222	172.3	.17	3.27	89.7
100	14.184	14.169	35.231	5.8	101.2	26.331	30.700	34.974	39.153	43.241	171.4	.19	2.01	99.6
120	13.825	13.808	35.169	5.9	100.8	26.359	30.736	35.016	39.202	43.297	169.3	.23	2.13	119.5
140	13.377	13.358	35.088	5.8	98.7	26.389	30.775	35.064	39.259	43.362	166.9	.26	2.23	139.4
160	13.008	12.987	35.027	5.8	98.0	26.417	30.811	35.107	39.309	43.419	164.7	.29	2.14	159.4
180	12.986	12.961	35.055	5.5	93.7	26.444	30.838	35.135	39.337	43.447	162.7	.33	2.05	179.3
200	12.753	12.726	35.044	5.4	91.5	26.482	30.881	35.183	39.389	43.503	159.6	.36	2.48	199.2
220	12.533	12.504	35.049	5.3	88.0	26.530	30.933	35.239	39.449	43.567	155.5	.39	2.76	219.1
240	12.352	12.320	35.046	5.2	86.0	26.564	30.970	35.280	39.493	43.615	152.8	.42	2.32	239.0
260	12.088	12.054	35.023	5.1	85.3	26.597	31.009	35.324	39.543	43.669	150.1	.45	2.34	258.9
280	11.904	11.868	35.009	5.2	85.0	26.622	31.038	35.356	39.579	43.709	148.2	.48	2.01	278.8
300	11.587	11.549	34.977	5.1	83.1	26.657	31.080	35.404	39.633	43.769	145.2	.51	2.41	298.7
320	11.168	11.128	34.923	5.0	81.7	26.693	31.125	35.458	39.695	43.839	142.0	.54	2.46	318.5
340	10.947	10.905	34.906	5.0	80.7	26.720	31.157	35.495	39.736	43.885	139.8	.57	2.12	338.4
360	10.624	10.580	34.865	5.0	79.4	26.746	31.190	35.535	39.783	43.938	137.6	.59	2.11	358.3
380	10.284	10.239	34.827	5.0	79.4	26.776	31.227	35.579	39.835	43.997	135.0	.62	2.27	378.2
400	9.949	9.902	34.785	4.9	77.9	26.801	31.260	35.619	39.882	44.050	132.8	.65	2.09	398.1
450	9.311	9.261	34.710	4.8	75.2	26.849	31.322	35.696	39.972	44.154	128.8	.71	1.84	447.8
500	8.323	8.271	34.610	4.7	72.0	26.927	31.423	35.819	40.117	44.319	121.4	.78	2.35	497.4
550	7.648	7.593	34.566	4.7	69.8	26.993	31.505	35.916	40.229	44.446	115.3	.84	2.16	547.1
600	6.770	6.714	34.490	4.7	68.2	27.056	31.589	36.021	40.354	44.590	109.0	.89	2.17	596.7
650	6.050	5.992	34.433	4.7	68.3	27.106	31.657	36.106	40.456	44.708	104.0	.94	1.95	646.4
700	5.284	5.226	34.368	5.0	71.3	27.148	31.719	36.187	40.555	44.825	99.5	1.00	1.86	696.0
750	4.994	4.933	34.373	5.0	70.7	27.186	31.764	36.239	40.614	44.891	96.0	1.04	1.64	745.6
800	4.580	4.518	34.348	5.0	68.9	27.213	31.801	36.287	40.672	44.959	93.3	1.09	1.48	795.2
900	4.037	3.969	34.362	4.9	66.8	27.282	31.885	36.384	40.783	45.082	86.7	1.18	1.59	894.3
1000	3.712	3.639	34.403	4.6	62.3	27.348	31.959	36.467	40.873	45.180	80.6	1.27	1.52	993.4
1100	3.400	3.321	34.453	4.3	58.1	27.419	32.038	36.553	40.967	45.281	74.1	1.34	1.57	1092.4
1200	3.124	3.039	34.495	4.2	56.6	27.478	32.105	36.628	41.048	45.369	68.4	1.41	1.46	1191.4
1300	2.999	2.907	34.543	4.1	55.5	27.529	32.158	36.684	41.108	45.431	64.1	1.48	1.30	1290.3
1400	2.934	2.835	34.600	4.1	54.4	27.581	32.212	36.739	41.164	45.489	59.8	1.54	1.30	1389.2
1494	2.849	2.743	34.647	4.1	55.2	27.627	32.260	36.789	41.216	45.543	55.9	1.60	1.27	1482.1

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	16.909	16.908	35.448	5.80	4.5	0.24	2.7	0.01	0.30	25.881	30.201	34.425	38.557	42.599	4.6
13	16.916	16.914	35.447		4.0	0.22	2.4	0.02	0.20	25.879	30.198	34.423	38.554	42.597	12.9
29	16.383	16.378	35.429		5.1	0.20	3.1	0.01	0.20	25.991	30.320	34.553	38.694	42.744	28.3
54	15.865	15.857	35.385	5.89	5.4	0.24	3.2	0.02	0.25	26.078	30.416	34.658	38.808	42.867	53.1
104	14.224	14.209	35.243	5.73	6.1	0.43	3.6	0.32		26.331	30.700	34.973	39.151	43.239	102.7
154	13.305	13.284	35.082		5.6	0.56	3.4	0.04		26.400	30.787	35.078	39.274	43.378	152.3
204	12.789	12.761	35.045	5.39	6.0	0.73	3.6	0.02		26.476	30.874	35.175	39.381	43.494	201.8
254	12.255	12.221	35.039		6.5	0.88	3.9	0.01	0.38	26.577	30.986	35.297	39.513	43.636	251.6
304	11.395	11.357	34.938	5.05	7.5	1.05	4.5		0.28	26.663	31.089	35.418	39.651	43.791	301.0
405	10.009	9.962	34.797	4.88	8.9	1.35	5.4		0.22	26.800	31.258	35.616	39.877	44.044	401.2
503	8.345	8.292	34.614		12.3	1.70	7.4		0.35	26.927	31.422	35.818	40.115	44.317	498.3
602	6.866	6.809	34.499	4.77	17.8	2.02	10.7		0.24	27.051	31.581	36.011	40.342	44.576	596.8
702	5.398	5.339	34.377							27.142	31.709	36.175	40.540	44.808	695.0
746	4.927	4.867	34.347							27.173	31.753	36.230	40.607	44.885	738.7
797	4.505	4.443	34.343	5.05	26.8	2.38	16.1		1.06	27.217	31.807	36.295	40.682	44.971	789.8
848	4.152	4.088	34.338							27.251	31.850	36.347	40.743	45.040	839.6
898	4.004	3.937	34.351	4.91						27.277	31.880	36.381	40.780	45.080	889.1
947	3.858	3.788	34.370							27.307	31.914	36.419	40.821	45.125	937.1
996	3.656	3.583	34.381	4.64	36.0	2.66	21.6		0.56	27.336	31.949	36.458	40.866	45.174	985.9
1097	3.408	3.329	34.443							27.410	32.029	36.544	40.958	45.272	1085.8
1197	3.174	3.089	34.493	4.16	51.4	2.82	30.9		1.51	27.472	32.097	36.619	41.038	45.358	1184.9
1297	3.046	2.954	34.547							27.528	32.156	36.681	41.103	45.425	1282.7
1403	2.920	2.821	34.601							27.583	32.214	36.742	41.167	45.493	1387.3
1500	2.845	2.739	34.647	4.16	55.1	2.69	33.1		0.52	27.627	32.260	36.790	41.217	45.544	1482.9


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
OXYGEN (ML/L)
2.
3.
4.
5.
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KN 104/5
8

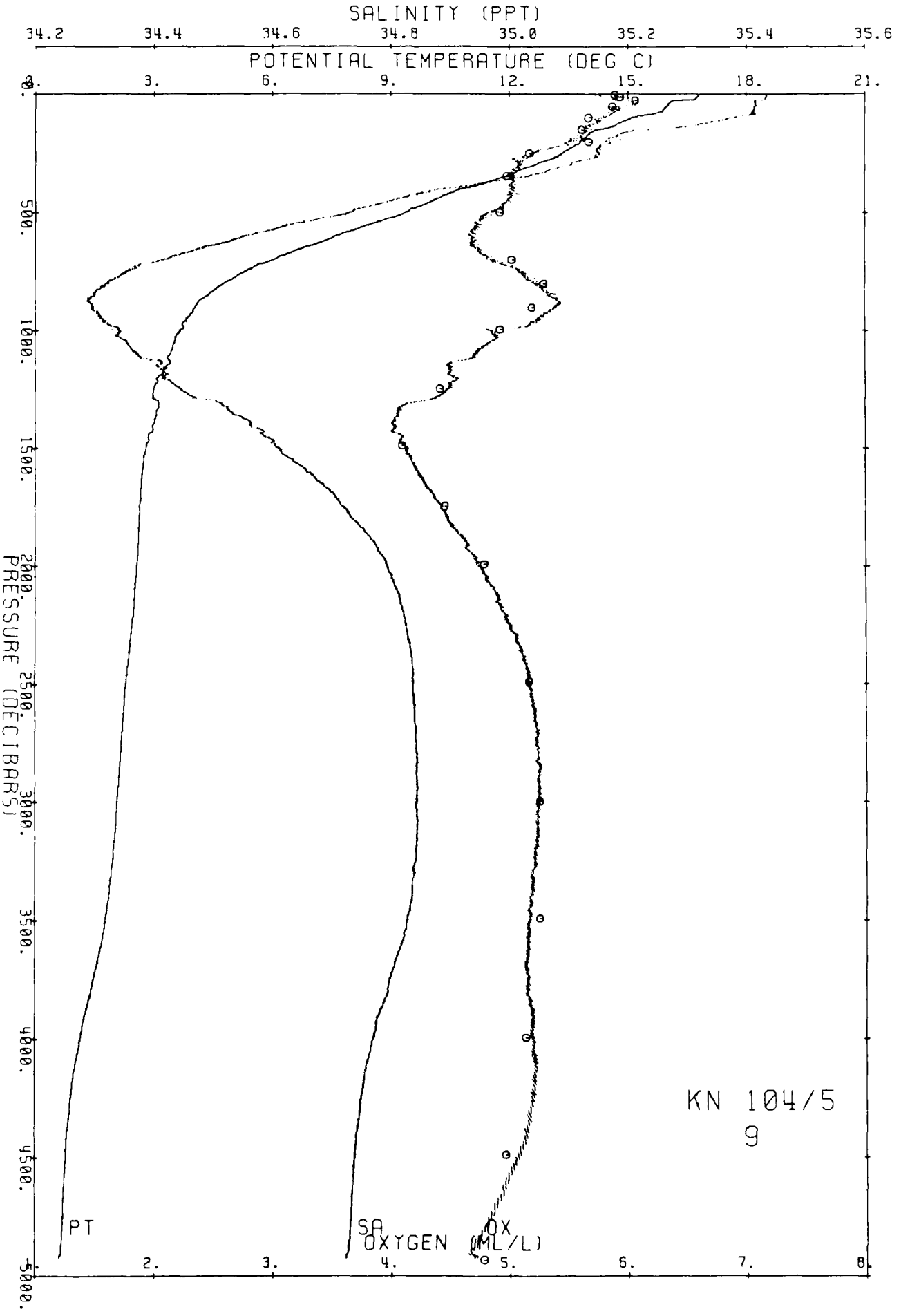

POTENTIAL TEMPERATURE (DEG C)
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3.
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21.
SALINITY (PPT)
34.1
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34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
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4.2
4.5
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KN 104/5
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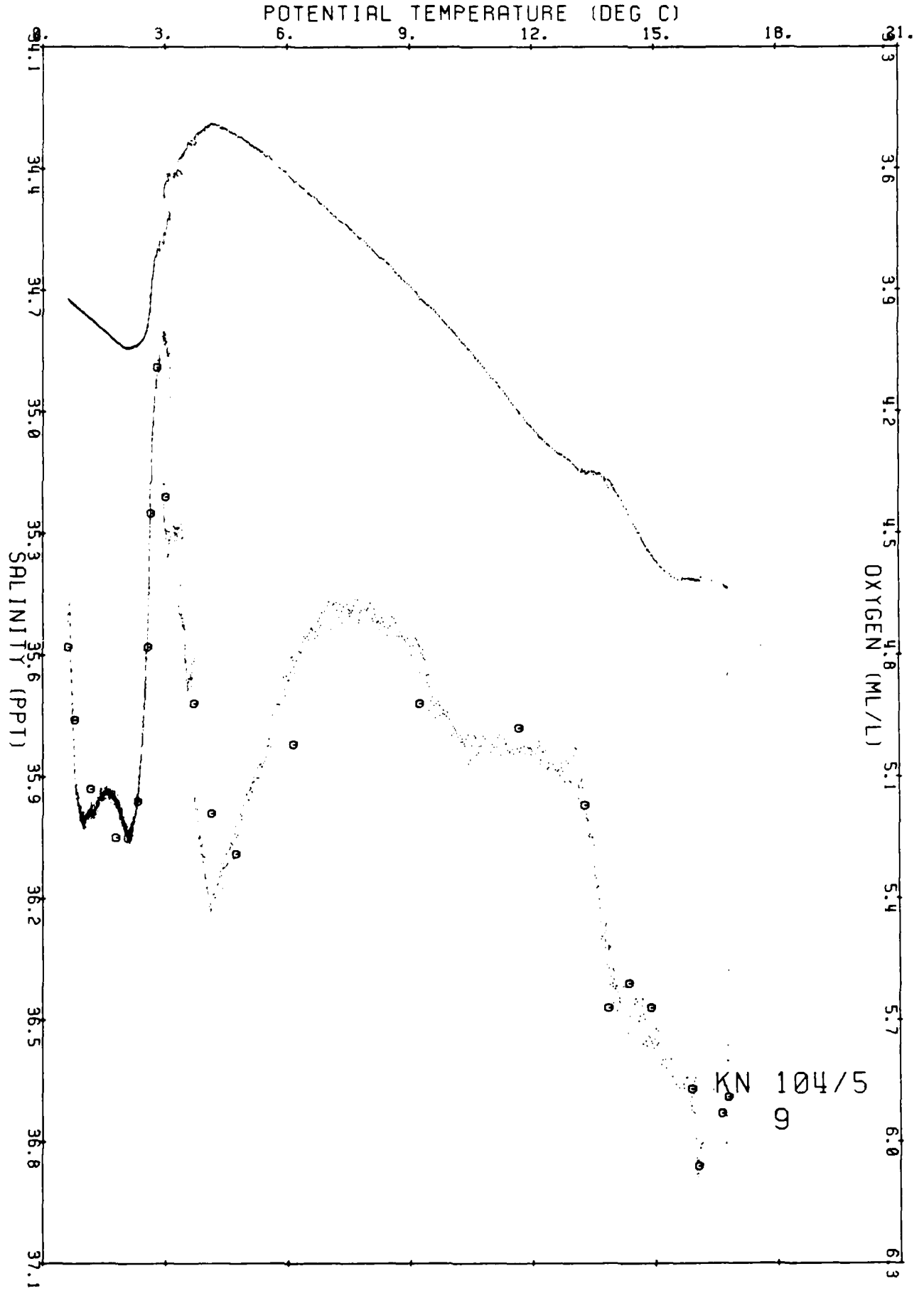

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
PT
SA
OX
KN 104/5
8
OXYGEN (ML/L)
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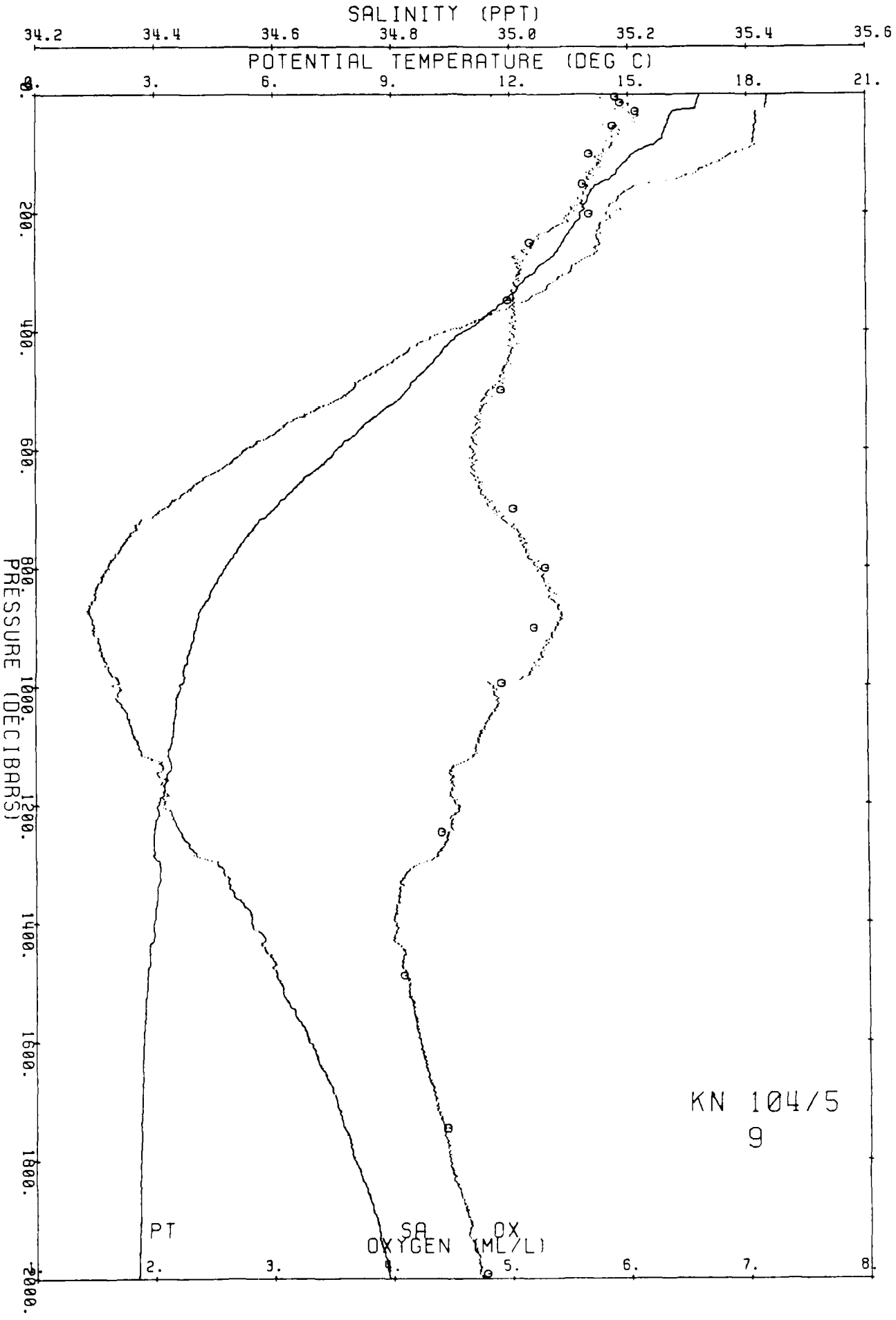
Ship KN Cruise 1045 Station 9 Cast 1 DT
Start 36 .06 S 13 46.83 E at 732 83/11/17
End 36 2.42 S 13 46.01 E at 1118

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	16.807	16.807	35.436	4.8	88.6	25.896	30.217	34.443	38.577	42.621	209.6	0 00	0 00	0.0
10	16.765	16.763	35.433	5.9	107.7	25.904	30.226	34.453	38.587	42.632	209.2	02	1.59	10 0
20	16.719	16.716	35.431	6.0	109.5	25.913	30.236	34.464	38.599	42.644	208.6	04	1 74	19 9
30	16.121	16.116	35.416	6.0	108.3	26.042	30.375	34.613	38.758	42.813	196.7	06	6 35	29.9
40	16.046	16.040	35.416	6.0	108.8	26.059	30.394	34.633	38.780	42.836	195.4	08	2 35	39 9
50	15.999	15.991	35.415	6.0	107.7	26.070	30.405	34.645	38.792	42.849	194.8	10	1.81	49.8
60	15.941	15.932	35.414	5.9	106.5	26.083	30.419	34.660	38.808	42.866	193.9	12	2 00	59.8
70	15.895	15.884	35.412	5.9	106.1	26.092	30.430	34.671	38.820	42.879	193.3	14	1 73	69.7
80	15.764	15.751	35.411	5.8	104.6	26.122	30.461	34.705	38.857	42.917	190.8	16	3.05	79.7
90	15.434	15.420	35.407	5.8	103.8	26.193	30.539	34.789	38.946	43.012	184.3	18	4 76	89 7
100	15.170	15.155	35.381	5.8	102.7	26.232	30.583	34.838	38.999	43.070	180.9	20	3.52	99.6
120	14.858	14.840	35.340	5.7	100.8	26.270	30.627	34.887	39.054	43.130	177.9	23	2.45	119.5
140	14.587	14.566	35.289	5.7	98.8	26.290	30.652	34.918	39.090	43.171	176.6	27	1.81	139.5
160	14.126	14.103	35.201	5.6	97.4	26.321	30.693	34.967	39.148	43.237	174.1	30	2.26	159.4
180	13.990	13.964	35.181	5.6	96.9	26.335	30.709	34.987	39.170	43.262	173.4	34	1.50	179.3
200	13.818	13.789	35.162	5.5	94.9	26.357	30.735	35.015	39.202	43.297	171.8	37	1.88	199.2
220	13.683	13.652	35.152	5.4	92.9	26.378	30.758	35.042	39.230	43.328	170.4	41	1.83	219.1
240	13.458	13.425	35.147	5.2	89.4	26.421	30.806	35.093	39.286	43.387	166.8	44	2.62	239.0
260	13.268	13.232	35.142	5.2	88.0	26.457	30.845	35.136	39 333	43.437	164.0	47	2.39	258.9
280	12.994	12.955	35.122	5.1	86.4	26.497	30.891	35.187	39.389	43.499	160.6	51	2.56	278.8
300	12.687	12.646	35.104	5.1	85.3	26.545	30.945	35.247	39.455	43.570	156.5	54	2.78	298.7
320	12.325	12.283	35.068	5.0	83.9	26.588	30.995	35.305	39.519	43.641	152.7	57	2.67	318.6
340	12.045	12.000	35.039	5.0	83.3	26.620	31.033	35.348	39.568	43.696	150.0	60	2.30	338.5
360	11.731	11.685	35.000	5.0	82.8	26.650	31.069	35.391	39.617	43.751	147.6	63	2.23	358.3
380	11.358	11.310	34.948	5.0	81.6	26.679	31.107	35.436	39.670	43.810	145.0	66	2.25	378.2
400	10.892	10.843	34.891	5.0	80.8	26.719	31.157	35.497	39.740	43.890	141.3	69	2.64	398.1
450	10.139	10.086	34.804	5.0	79.2	26.785	31.239	35.595	39.854	44.018	135.7	76	2.13	447.8
500	9.441	9.384	34.732	4.8	75.1	26.846	31.316	35.687	39.961	44.140	130.3	82	2.08	497.5
550	8.531	8.473	34.634	4.7	72.3	26.915	31.406	35.797	40.091	44.288	123.8	89	2.23	547.1
600	7.663	7.603	34.552	4.7	70.3	26.981	31.492	35.904	40.216	44.433	117.4	95	2.20	596.8
650	6.844	6.782	34.482	4.7	69.2	27.041	31.572	36.003	40.334	44.569	111.4	1 00	2.13	646.4
700	6.084	6.022	34.413	4.9	70.2	27.086	31.637	36.085	40.435	44.686	106.6	1.06	1 91	696.0
750	5.347	5.284	34.352	5.1	72.3	27.129	31.698	36.165	40.532	44.800	102.0	1.11	1.87	745.6
800	4.854	4.790	34.325	5.2	73.4	27.164	31.746	36.225	40.604	44.884	98.4	1.16	1.69	795.2
900	4.109	4.041	34.298	5.4	73.8	27.224	31.825	36.323	40.721	45.019	92.3	1.25	1 54	894.4
1000	3.743	3.670	34.342	4.8	66.0	27.296	31.907	36.415	40.821	45.127	85.5	1.34	1.59	993.5
1100	3.484	3.405	34.373	4.7	63.7	27.347	31.964	36.479	40.891	45.204	80.9	1 43	1.34	1092.5
1200	3.178	3.093	34.415	4.5	61.1	27.410	32.035	36.557	40.977	45.297	75.0	1.50	1 50	1191.5
1300	3.210	3.117	34.506	4.2	56.8	27.480	32.104	36.625	41.044	45.362	69.3	1 58	1 46	1290.4
1400	3.076	2.976	34.561	4.0	54.1	27.537	32.165	36.688	41 110	45.432	64.3	1.64	1 38	1389.3
1500	2.906	2.799	34.609	4.1	55.3	27.591	32.223	36.751	41 177	45.503	59.4	1 71	1.37	1488.1
1600	2.830	2.716	34.658	4.2	56.4	27.638	32.272	36.801	41.229	45.557	55.5	1 76	1.24	1586.9
1700	2.786	2.664	34.704	4.4	58.0	27.679	32.314	36.845	41.274	45.602	52.2	1 82	1 16	1685.6
1800	2.766	2.636	34.735	4.5	59.6	27.706	32.342	36.873	41.302	45.631	50.3	1 87	94	1784.3
1900	2.748	2.609	34.771	4.6	61.7	27.738	32.373	36.905	41.335	45.664	48.0	1 92	99	1882.9
2000	2.721	2.573	34.792	4.8	63.3	27.758	32.394	36.927	41.357	45.687	46.7	1 96	82	1981.5
2100	2.678	2.522	34.809	4.9	64.8	27.776	32.413	36.947	41.379	45.710	45.5	2 01	80	2080.0
2200	2.646	2.481	34.820	5.0	65.8	27.788	32.427	36.961	41.394	45.726	44.8	2 06	67	2178.5
2300	2.587	2.414	34.827	5.0	67.0	27.799	32.440	36.976	41.410	45.744	44.1	2 10	69	2276.9
2400	2.537	2.355	34.833	5.1	67.8	27.809	32.451	36.989	41.425	45.760	43.5	2 14	64	2375.3
2500	2.492	2.302	34.836	5.1	68.2	27.816	32.460	36.999	41.436	45.772	43 2	2 19	57	2473.7
2600	2.452	2.253	34.838	5.2	68.7	27.821	32.467	37.007	41.445	45.783	43.0	2 23	53	2572.0
2700	2.414	2.206	34.840	5.2	69.2	27.827	32.473	37.015	41.455	45.793	42.9	2 27	52	2670.2
2800	2.388	2.171	34.843	5.2	69.2	27.832	32.480	37.022	41.463	45.802	42.8	2 32	50	2768.4
2900	2.349	2.123	34.842	5.2	69.2	27.835	32.484	37.028	41.470	45.810	42.8	2 36	46	2866.6
3000	2.309	2.074	34.842	5.2	69.1	27.839	32.489	37.035	41.478	45.820	42.7	2 40	50	2964.7
3200	2.242	1.988	34.841	5.2	68.6	27.846	32.498	37.046	41.491	45.835	42.7	2 49	45	3160.9
3400	2.143	1.870	34.833	5.2	67.8	27.848	32.504	37.055	41.503	45.851	42.6	2 57	46	3356.8
3600	1.973	1.683	34.816	5.1	67.2	27.849	32.510	37.067	41.520	45.872	42.0	2 66	54	3552.6
3800	1.719	1.415	34.793	5.1	66.8	27.850	32.519	37.083	41.544	45.903	40.4	2 74	67	3748.2
4000	1.467	1.148	34.769	5.2	67.0	27.850	32.527	37.098	41.566	45.932	38.7	2 82	67	3943.6
4200	1.278	.943	34.752	5.2	66.8	27.850	32.533	37.110	41.584	45.956	37.4	2 89	61	4138.8
4400	1.171	.817	34.741	5.1	65.7	27.849	32.536	37.117	41.594	45.969	36.8	2 97	47	4333.9
4600	1.127	.752	34.735	5.0	63.4	27.849	32.537	37.120	41.599	45.976	36.9	3 04	34	4528.8
4800	1.091	.694	34.730	4.8	61.1	27.848	32.539	37.123	41.604	45.982	37.0	3 12	33	4723.5
4926	1.021	.611	34.724	4.7	59.9	27.849	32.541	37.128	41.612	45.992	36.5	3 16	53	4846.1

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	16.779	16.778	35.437	5.89	4.9	0.25	2.9	0.01	0.20	25.903	30.225	34.452	38.586	42.630	4 3
14	16.633	16.631	35.434	5.93	4.6	0.23	2.7	0.02	0.20	25.936	30.260	34.489	38.626	42.672	14 1
29	16.075	16.070	35.418	6.06	5.1	0.22	3.1	0.02		26.054	30.388	34.627	38.772	42.828	28 4
53	15.899	15.891	35.418	5.87	4.9	0.23	2.9	0.03		26.095	30.433	34.674	38.823	42.881	52 7
101	14.918	14.903	35.349	5.67	5.4	0.36	3.2	0.52		26.263	30.619	34.878	39.044	43.119	100 5
152	14.374	14.352	35.280	5.61	5.3	0.42	3.2	0.14		26.330	30.696	34.965	39.141	43.226	150 5
202	13.888	13.859	35.193	5.67	3.3	0.42	2.3	0.04		26.367	30.743	35.022	39.207	43.300	200 3
251	13.310	13.275	35.126	5.17	4.8	0.65	2.9	0.03		26.436	30.823	35.113	39.309	43.413	248 6
348	11.719	11.674	35.000	4.98	7.5	0.96	4.5			26.652	31.072	35.394	39.620	43.753	345 2
499	9.295	9.239	34.709	4.92	9.5	1.40	5.7			26.852	31.326	35.700	39.976	44.158	494 6
700	6.199	6.136	34.412	5.02	15.6	1.97	9.4			27.071	31.619	36.065	40.411	44.660	693 5
800	4.792	4.728	34.311	5.29	19.4	2.18	11.7			27.160	31.744	36.225	40.605	44.887	792 4
901	4.190	4.121	34.305	5.19	24.1	2.28	14.5			27.221	31.820	36.316	40.712	45.008	892 1
995	3.775	3.702	34.333	4.92	31.3	2.44	18.8			27.286	31.896	36.403	40.808	45.114	984 6
1247	3.107	3.019	34.431	4.41	46.1	2.65	27.6			27.429	32.057	36.580	41.002	45.324	1234 1
1489	2.901	2.795	34.603	4.09	56.3	2.63	33.8			27.587	32.219	36.747	41.173	45.499	1472 4
1746	2.773	2.647	34.721	4.45	54.6	2.38	32.8			27.694	32.329	36.861	41.290	45.618	1725 9
1991	2.718	2.571	34.787	4.78	43.3	2.20	26.0		0.73	27.754	32.390	36.923	41.353	45.683	1967 0
2491	2.501	2.311	34.833	5.16	33.3	2.01	20.0			27.813	32.456	36.995	41.432	45.768	2457 5
2998	2.318	2.083	34.840	5.25	47.9	1.93	28.8			27.837	32.487	37.032	41.475	45.816	2954 6
3492	2.073	1.792	34.828	5.25	53.2	2.01	31.9			27.850	32.508	37.062	41.512	45.861	3438 2
3994	1.490	1.171	34.767	5.13	72.4	2.28	43.4			27.847	32.523	37.094	41.561	45.927	3927 9
4490	1.147	0.784	34.730	4.96	81.0	2.41	48.6			27.843	32.530	37.112	41.591	45.967	4410 4
4932	1.021	0.611	34.723	4.78	87.2	2.49	52.3			27.848	32.541	37.128	41.611	45.992	4840 3


SALINITY (PPT)
34.2
34.4
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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KN 104/5
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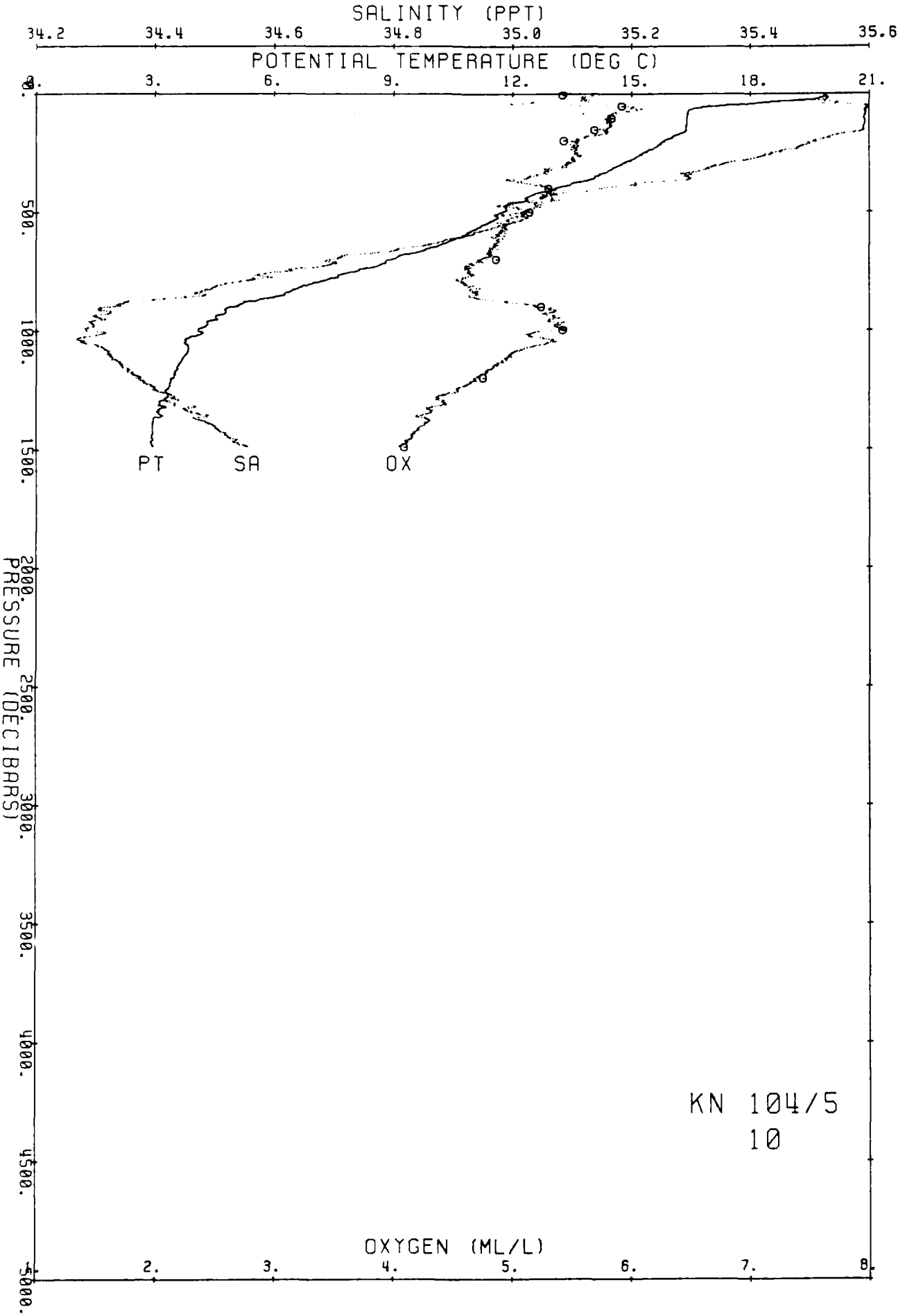

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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36.8
37.1
OXYGEN (ML/L)
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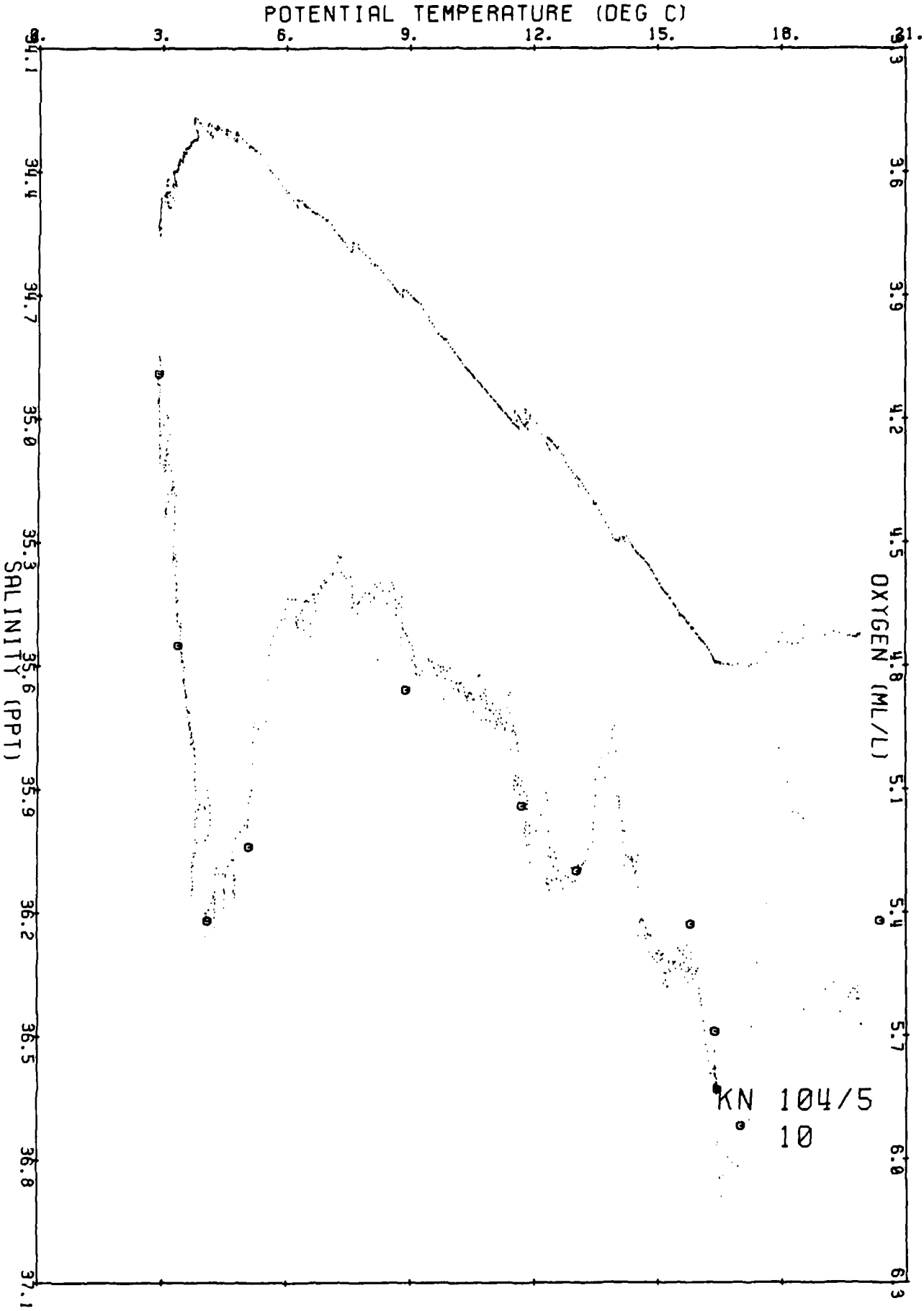

SALINITY (PPT)
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34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
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600.
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1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
PT
SA
OX
OXYGEN (ML/L)
2.
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KN 104/5
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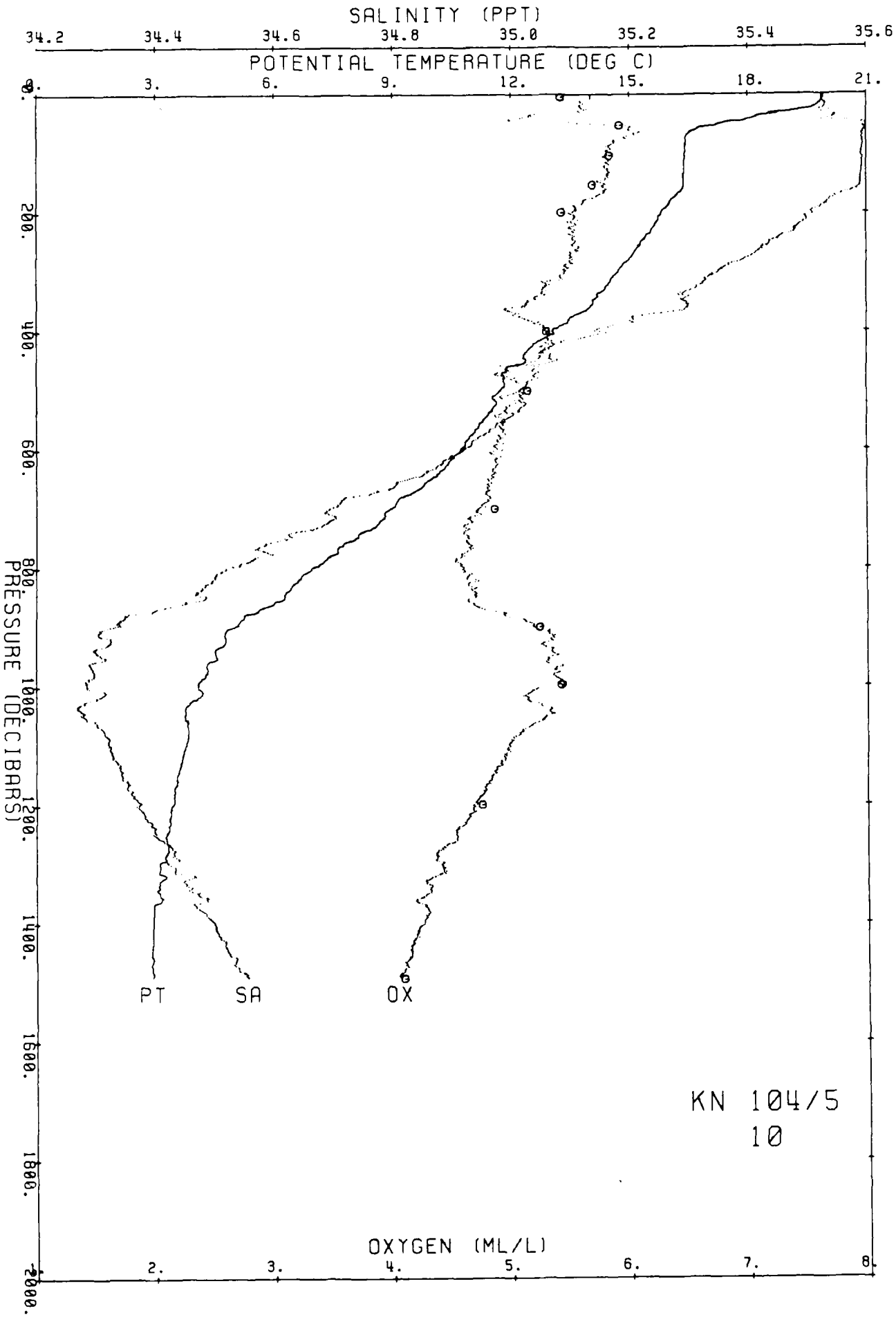
Ship KN Cruise 1045 Station 10 Cast 1 DT
Start 36 .65 S 14 38.15 E at 1534 83/11/17
End 36 2.08 S 14 39.78 E at 1721

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	19.919	19.919	35.524	5.7	110.0	25.184	29.454	33.630	37.716	41.713	277.3	0.00	0.00	0.0
10	19.875	19.873	35.525	5.6	108.7	25.197	29.468	33.645	37.731	41.729	276.4	.03	2.03	10.0
20	19.731	19.728	35.530	5.6	108.0	25.239	29.512	33.691	37.779	41.779	272.8	.06	3.63	19.9
30	19.065	19.060	35.526	5.6	106.7	25.409	29.693	33.882	37.980	41.990	257.0	.08	7.31	29.9
40	18.173	18.166	35.543	5.1	95.4	25.648	29.946	34.149	38.261	42.283	234.6	.11	8.66	39.9
50	17.281	17.273	35.599	5.7	104.8	25.910	30.222	34.439	38.564	42.600	210.1	.13	9.07	49.9
60	16.709	16.699	35.597	6.0	109.4	26.045	30.367	34.594	38.728	42.773	197.5	.15	6.53	59.8
70	16.478	16.467	35.594	6.0	109.5	26.097	30.423	34.654	38.792	42.841	192.9	.17	4.06	69.8
80	16.440	16.427	35.594	5.9	106.7	26.107	30.433	34.665	38.804	42.853	192.4	.19	1.71	79.7
90	16.436	16.421	35.592	5.8	106.0	26.106	30.433	34.665	38.804	42.853	192.7	.21	-.26	89.7
100	16.423	16.407	35.591	5.8	105.4	26.109	30.436	34.668	38.807	42.856	192.8	.23	.91	99.7
120	16.423	16.404	35.593	5.8	105.3	26.111	30.439	34.670	38.810	42.859	193.3	.26	.60	119.6
140	16.407	16.385	35.590	5.8	105.7	26.113	30.441	34.673	38.813	42.862	193.8	.30	.58	139.5
160	16.382	16.357	35.582	5.8	105.5	26.114	30.442	34.675	38.815	42.865	194.5	.34	.28	159.4
180	16.079	16.050	35.535	5.6	101.1	26.149	30.482	34.721	38.866	42.921	191.8	.38	2.37	179.3
200	15.855	15.824	35.509	5.5	98.6	26.180	30.518	34.761	38.910	42.969	189.3	.42	2.26	199.2
220	15.699	15.665	35.487	5.6	99.4	26.200	30.541	34.786	38.938	42.999	188.1	.46	1.76	219.1
240	15.464	15.427	35.455	5.5	98.5	26.229	30.574	34.824	38.980	43.045	186.0	.49	2.17	239.0
260	15.237	15.197	35.423	5.6	98.6	26.255	30.605	34.859	39.019	43.089	184.0	.53	2.08	258.9
280	15.035	14.992	35.391	5.5	97.1	26.276	30.630	34.887	39.051	43.124	182.6	.57	1.84	278.8
300	14.774	14.729	35.351	5.4	95.4	26.303	30.662	34.924	39.093	43.171	180.5	.60	2.11	298.7
320	14.527	14.480	35.324	5.3	92.5	26.336	30.699	34.966	39.140	43.222	177.9	.64	2.33	318.6
340	14.239	14.189	35.291	5.2	90.7	26.373	30.742	35.014	39.193	43.280	174.9	.68	2.46	338.5
360	14.054	14.002	35.296	5.0	86.6	26.416	30.789	35.065	39.246	43.337	171.2	.71	2.65	358.4
380	13.541	13.487	35.208	5.1	87.9	26.456	30.838	35.124	39.316	43.416	167.8	.74	2.60	378.3
400	13.105	13.049	35.142	5.3	89.8	26.494	30.885	35.180	39.380	43.488	164.4	.78	2.55	398.2
450	12.430	12.369	35.073	5.2	86.8	26.575	30.981	35.289	39.501	43.622	157.6	.86	2.34	447.9
500	11.797	11.732	35.013	5.1	83.6	26.651	31.069	35.390	39.615	43.748	151.2	.93	2.26	497.6
550	11.380	11.310	34.986	5.0	80.8	26.709	31.136	35.465	39.699	43.839	146.6	1.01	1.98	547.3
600	10.804	10.730	34.921	4.9	79.4	26.763	31.203	35.545	39.790	43.941	142.0	1.08	1.97	596.9
650	10.051	9.974	34.826	4.8	76.1	26.821	31.278	35.635	39.896	44.063	136.7	1.15	2.07	646.6
700	9.018	8.940	34.693	4.7	73.1	26.888	31.368	35.749	40.032	44.220	130.0	1.22	2.27	696.2
750	8.128	8.050	34.622	4.6	70.3	26.970	31.471	35.871	40.174	44.381	121.8	1.28	2.46	745.8
800	7.022	6.945	34.520	4.6	67.9	27.049	31.576	36.002	40.330	44.561	113.4	1.34	2.49	795.4
900	4.994	4.920	34.320	5.2	73.1	27.145	31.724	36.200	40.576	44.853	101.5	1.45	2.09	894.6
1000	4.164	4.087	34.285	5.4	74.7	27.209	31.809	36.306	40.702	44.999	94.7	1.54	1.62	993.7
1100	3.837	3.755	34.321	5.0	68.1	27.271	31.880	36.385	40.789	45.094	89.0	1.64	1.49	1092.7
1200	3.496	3.408	34.368	4.7	63.3	27.343	31.960	36.474	40.887	45.199	82.2	1.72	1.59	1191.7
1300	3.200	3.107	34.424	4.4	59.2	27.416	32.041	36.562	40.982	45.301	75.2	1.80	1.60	1290.6
1400	3.039	2.939	34.498	4.3	57.1	27.490	32.119	36.644	41.068	45.391	68.5	1.87	1.57	1389.5
1490	3.030	2.923	34.555	4.1	54.3	27.537	32.166	36.691	41.115	45.438	64.8	1.93	1.27	1478.5

PR	TE	PT	SA	O2	SI	PO	NJ	N2	NH4	SO	S1	S2	S3	S4	DE
5	20.378	20.377	35.542	5.42	3.6	0.19	2.2	0.01	0.20	25.076	29.339	33.508	37.587	41.578	4.8
15	19.880	19.877	35.525		3.8	0.17	2.3	0.01	0.20	25.196	29.467	33.643	37.730	41.728	14.4
29	19.456	19.451	35.528		4.1	0.18	2.5	0.03	0.20	25.310	29.587	33.770	37.863	41.867	28.8
52	17.011	17.002	35.604	5.92	3.7	0.18	2.2	0.02	0.27	25.978	30.295	34.517	38.646	42.686	52.0
103	16.428	16.411	35.595	5.83	4.7	0.23	2.8	0.15	0.42	26.111	30.438	34.670	38.809	42.858	101.9
153	16.398	16.373	35.588	5.69	5.2	0.26	3.1	0.25	0.36	26.115	30.442	34.675	38.814	42.864	151.5
198	15.834	15.803	35.504	5.43	5.4	0.37	3.2	0.02	0.20	26.181	30.520	34.762	38.912	42.971	196.8
299	14.673	14.628	35.335		4.3	0.48	2.6	0.02		26.312	30.673	34.937	39.108	43.188	296.2
400	13.098	13.042	35.151	5.30	6.4	0.66	3.9			26.502	30.894	35.189	39.388	43.496	396.8
450	12.471	12.410	35.084		5.9	0.79	3.6			26.576	30.980	35.287	39.499	43.619	445.7
500	11.764	11.699	35.011	5.14	7.0	0.90	4.2			26.655	31.075	35.396	39.622	43.755	495.3
549	11.323	11.253	34.983		9.3	1.00	16.8			26.717	31.145	35.476	39.710	43.852	544.2
600	10.713	10.639	34.908		9.7	1.08	18.3		0.68	26.769	31.211	35.555	39.802	43.955	594.1
700	8.976	8.898	34.691	4.86	12.8	1.40	21.8			26.893	31.374	35.756	40.039	44.228	693.2
799	7.308	7.229	34.553		19.3	1.74	26.8			27.035	31.555	35.975	40.296	44.520	791.8
899	5.189	5.114	34.336	5.24	19.2	1.96	30.1			27.136	31.709	36.181	40.552	44.824	890.4
949	4.627	4.551	34.297		21.5	2.02	30.5			27.168	31.757	36.242	40.627	44.913	939.3
996	4.196	4.119	34.276	5.42	22.5	2.10	28.9		0.65	27.198	31.798	36.294	40.690	44.986	986.5
1047	3.880	3.802	34.276		25.1	2.16	30.3			27.231	31.838	36.343	40.746	45.050	1036.4
1097	3.880	3.797	34.318		28.3	2.23	29.5			27.264	31.872	36.376	40.780	45.083	1086.0
1199	3.486	3.398	34.367	4.75	38.2	2.41	33.6		0.70	27.343	31.960	36.475	40.887	45.200	1186.6
1295	3.188	3.095	34.424		44.0	2.45	33.1			27.417	32.042	36.564	40.984	45.304	1281.3
1392	3.037	2.938	34.493		50.0	2.51	33.4		0.34	27.486	32.115	36.641	41.064	45.387	1376.8
1492	3.023	2.915	34.548	4.09	54.7	2.45	34.5		0.20	27.532	32.161	36.687	41.110	45.434	1475.7


SALINITY (PPT)
34.2
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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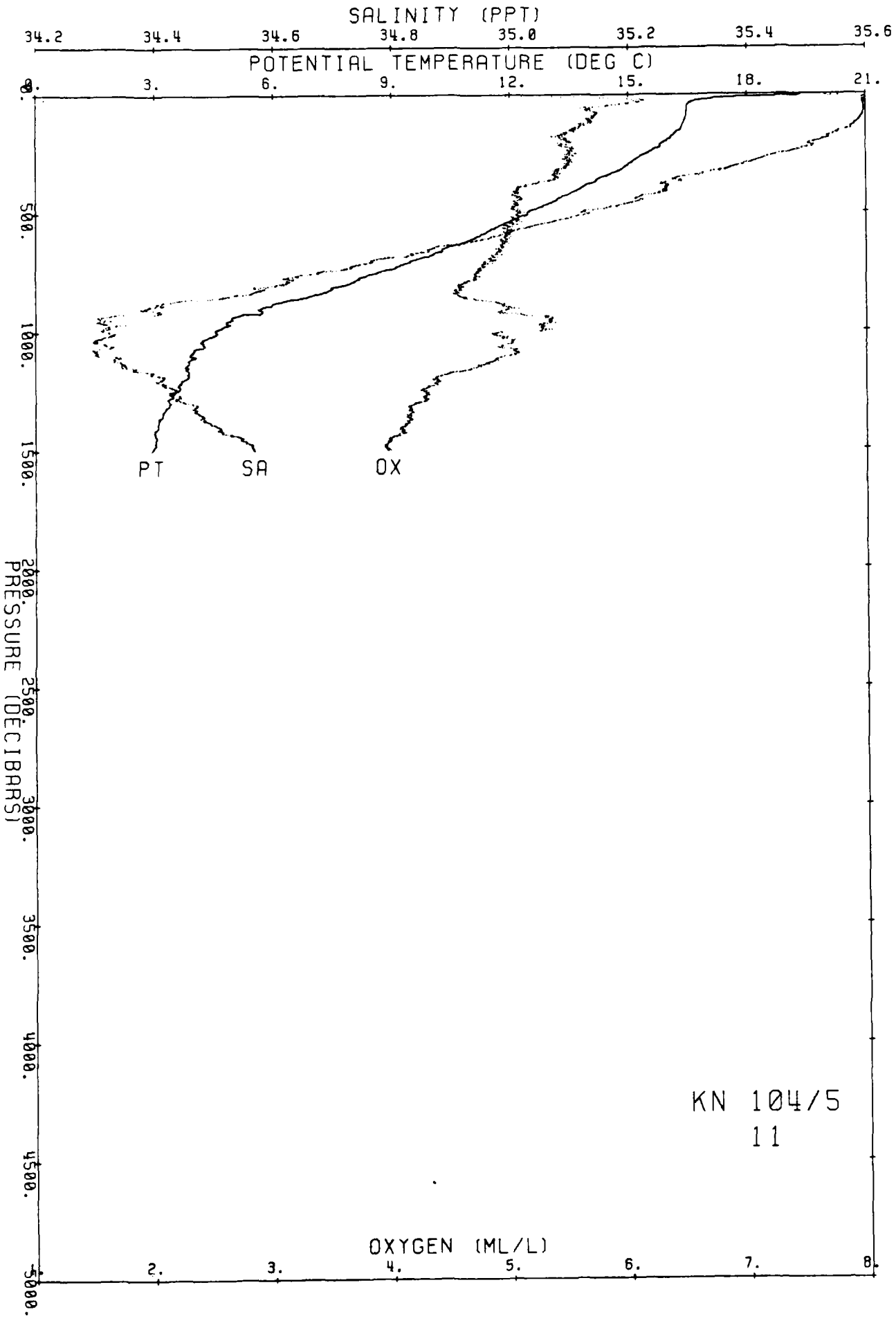

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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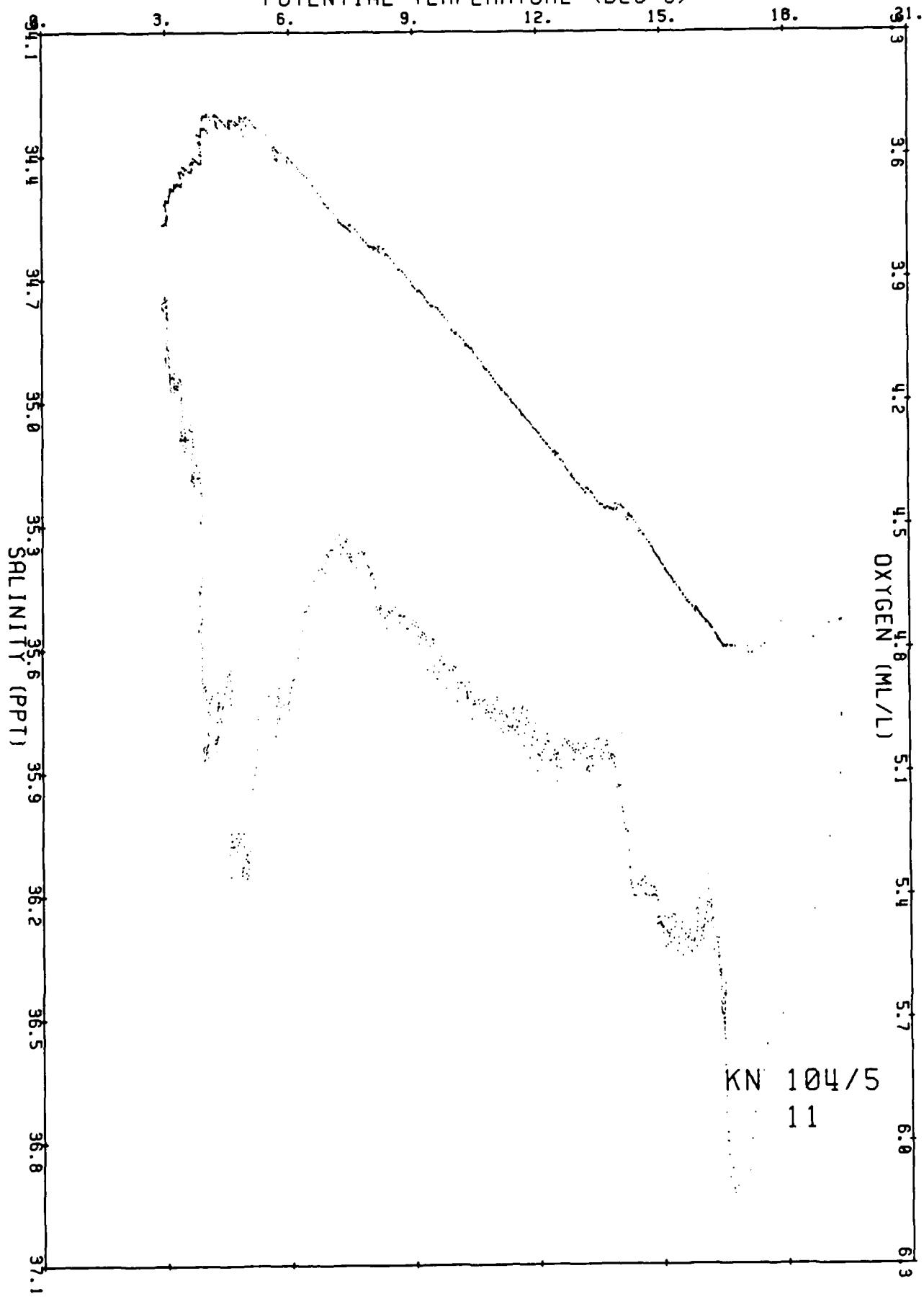

SALINITY (PPT)
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34.6
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35.6
POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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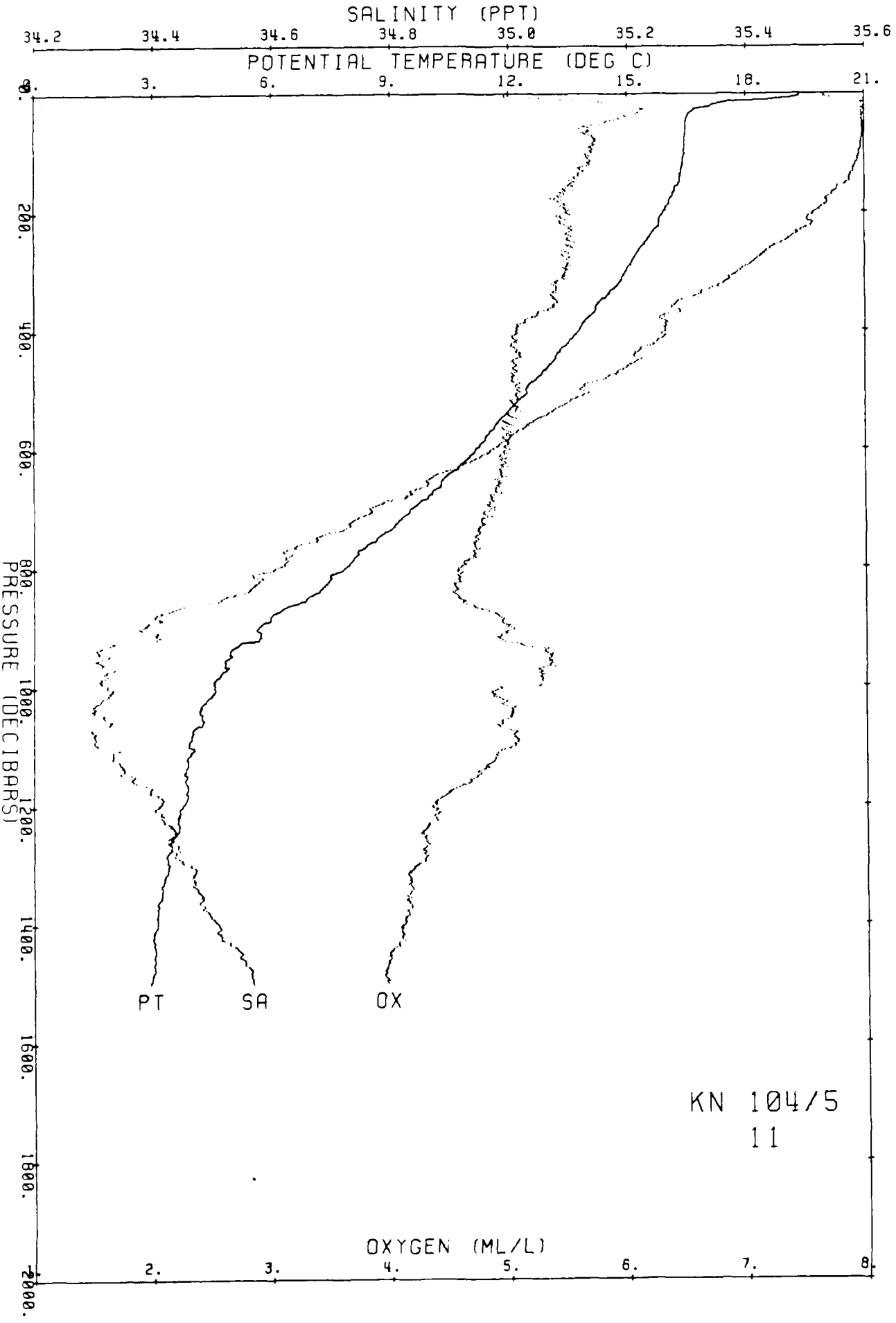
Ship KN Cruise 1045 Station 11 Cast 1 DT
Start 36 .10 S 15 27.70 E at 2155 83/11/17
End 35 59.49 S 15 28.41 E at 2308

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	19.342	19.342	35.533	5.0	95 2	25.342	29 621	33 806	37.899	41 905	262 3	0 00	0 00	0 0
10	18.662	18 660	35.578	5.4	103.0	25.551	29 840	34.036	38 139	42.155	242 8	03	8.10	10 0
20	17.123	17.120	35.613	6.0	110.3	25.957	30.272	34.492	38.619	42 657	204 5	05	11.30	19 9
30	16 660	16.655	35.596	6.1	110 7	26.055	30.378	34.605	38 740	42 786	195 5	07	5 53	29.9
40	16.523	16.517	35.597	6 0	109 2	26.088	30.413	34.643	38 780	42.828	192.7	09	3 23	39 9
50	16.493	16 485	35.597	5.8	104.6	26.095	30.421	34 651	38 789	42 837	192.4	11	1.51	49 8
60	16.487	16 477	35.597	5.6	102.7	26.097	30 423	34.654	38 792	42 840	192 6	13	.77	59 8
70	16.487	16 476	35.597	5.7	103 3	26 098	30 423	34.654	38.792	42.840	192 9	14	.35	69 8
80	16 483	16.470	35 596	5 7	104 3	26.098	30.424	34.655	38.793	42 841	193.2	16	42	79 7
90	16 479	16.464	35 596	5.7	103 4	26.099	30 426	34.656	38.795	42.843	193.4	18	64	89 7
100	16 460	16.444	35.591	5 7	103.4	26.100	30 427	34.658	38.796	42 845	193.7	20	.53	99 6
120	16.413	16 394	35 584	5 7	103 1	26 107	30 434	34 666	38.805	42 855	193 8	24	1.01	119 6
140	16.369	16.346	35.575	5.6	100.7	26 111	30 439	34 672	38.812	42.863	194.0	28	82	139 5
160	16.232	16.206	35 553	5 5	98.7	26 126	30 457	34.693	38.835	42.888	193.2	32	1 58	159 4
180	16 102	16 074	35 536	5 4	97 7	26 144	30 477	34 715	38 860	42.915	192.2	36	1 68	179 3
200	15 948	15 916	35.516	5.5	98.6	26 165	30 501	34 742	38.889	42 947	190.9	40	1 83	199.2
220	15 848	15 814	35 512	5 5	98 1	26 185	30 523	34.766	38.915	42.974	189.6	43	1.80	219 1
240	15 619	15 582	35 479	5 5	98 7	26 212	30 555	34.801	38.955	43.018	187 6	47	2.10	239 0
260	15 367	15 327	35.440	5.5	98 4	26.239	30 587	34.838	38 996	43 063	185.6	51	2 11	258 9
280	15.182	15 139	35.417	5 5	97 4	26 264	30 614	34 869	39.030	43 101	183.8	55	1 98	278.8
300	15 012	14 966	35 387	5 5	96.6	26 279	30 633	34.891	39.055	43.129	183.0	58	1 59	298 7
320	14.848	14 800	35.362	5.4	94.9	26 296	30 653	34.914	39 082	43 158	181 9	62	1 69	318 6
340	14.559	14.508	35.317	5.4	93 7	26.324	30.687	34.954	39 127	43.208	179.6	66	2 19	338 5
360	14.250	14 197	35.276	5 4	93.1	26 360	30.729	35.001	39 179	43 267	176 7	69	2.41	358 4
380	14.029	13.974	35.255	5.1	88 7	26 391	30 764	35.041	39 223	43 314	174.3	73	2 26	378 3
400	13 822	13 765	35.262	5.1	87 0	26.440	30.817	35.097	39 284	43 378	170.1	76	2.82	398 2
450	13 189	13.126	35.217	5.0	85 4	26 536	30 926	35.219	39.416	43 522	161 9	84	2 52	447.9
500	12.493	12.425	35.121	5.1	84.8	26.601	31.006	35.312	39.524	43 643	156 5	92	2.12	497.6
550	11 [illegible]47	11.775	35.045	5.0	82.1	26 668	31.085	35.405	39.629	43 760	151.0	1 00	2.14	547.3
600	11.230	11.154	34.969	5.0	81 3	26.724	31.155	35.487	39.724	43 867	146.2	1 07	2.00	596 9
650	10.417	10.339	34.865	4.9	77.9	26.789	31 237	35 587	39.840	44 000	140.3	1 15	2.18	646.6
700	9.586	9 505	34 766	4 8	75.8	26 853	31 320	35 688	39.959	44 135	134 1	1 21	2 19	696 2
750	8.735	8 653	34.677	4.7	72.7	26.921	31.407	35.794	40.084	44.277	127.5	1.28	2.26	745.8
800	7.902	7.820	34.606	4 6	68.8	26.992	31 498	35 904	40 211	44 423	120 3	1 34	2 32	795.4
900	5.723	5.644	34.377	5.0	71.6	27 105	31.665	36.123	40.481	44.742	106 9	1.46	2.23	894.6
1000	4.633	4.553	34.323	4.9	68.4	27 189	31.777	36.262	40.647	44.933	97.7	1.56	1.86	993.7
1100	3.986	3 902	34.311	5.0	69.0	27.248	31.853	36.355	40.755	45.057	91.5	1.65	1.55	1092.7
1200	3.841	3.750	34 410	4.4	59.5	27 342	31.951	36.455	40.859	45.163	83.2	1.74	1.75	1191.7
1300	3.510	3.414	34.465	4.2	57.2	27.419	32.036	36.549	40.961	45.272	75.9	1.82	1.65	1290.6
1400	3.198	3.097	34 510	4.1	55.2	27.485	32.110	36.631	41.050	45.369	69.5	1.89	1.55	1389.5
1500	3 042	2 934	34 569	4 0	53 2	27 547	32.176	36.701	41.124	45.446	64.0	1.96	1.45	1488.4

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
1505	3 044	2 935	34 566							27 545	32 173	36 698	41 121	45 444	1487 9
1507	3 040	2 931	34 569							27 547	32 176	36 701	41 124	45 447	1490.6


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
OXYGEN (ML/L)
2.
3.
4.
5.
6.
7.
8.
KN 104/5
11

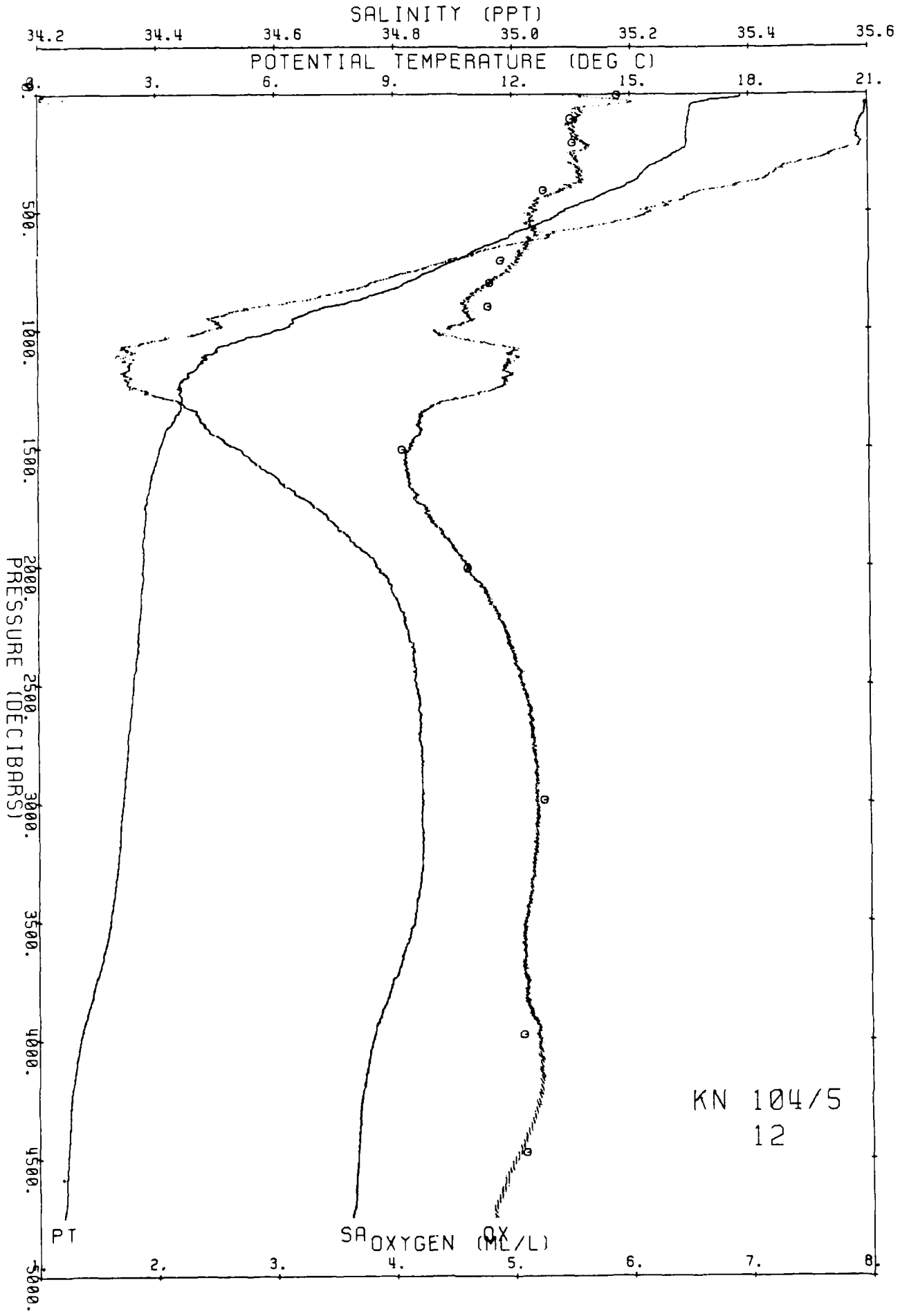

POTENTIAL TEMPERATURE (DEG C)
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3.
6.
9.
12.
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18.
21.
SALINITY (PPT)
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34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
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3.9
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4.5
4.8
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KN 104/5
11

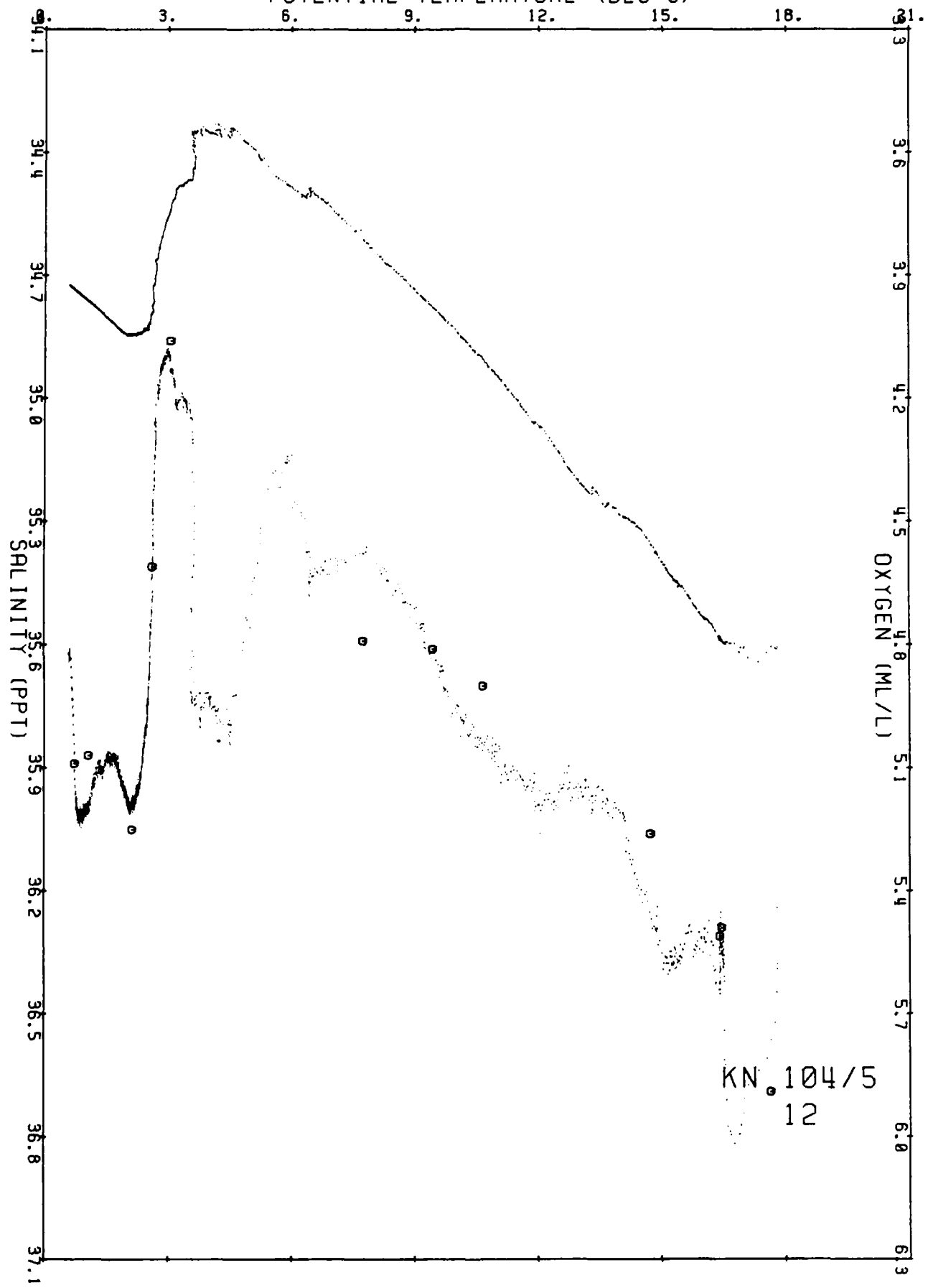

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PT
SA
OX
KN 104/5
11
OXYGEN (ML/L)
2.
3.
4.
5.
6.
7.
8.

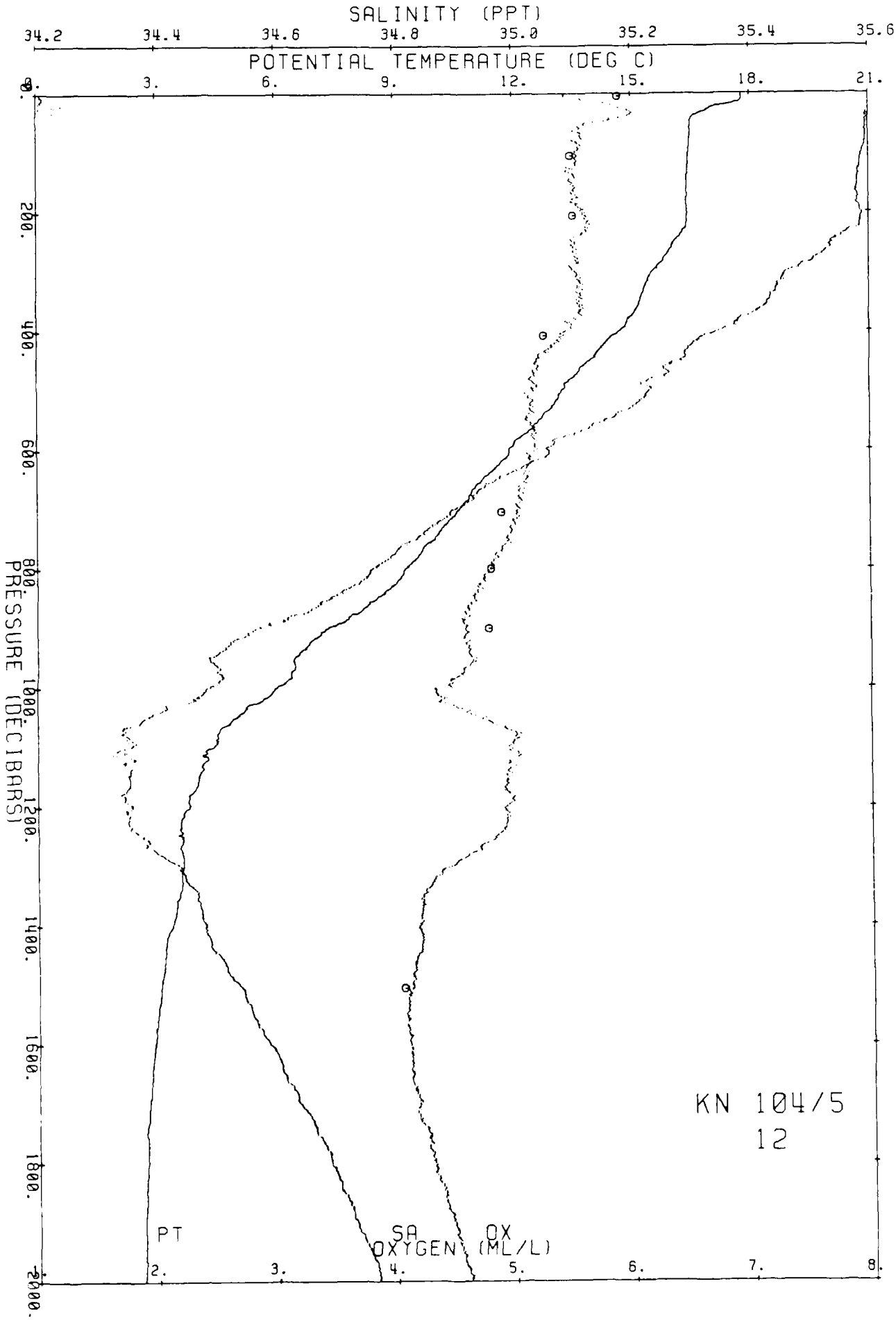
Ship KN Cruise 1045 Station 12 Cast 1 DT
Start 35 39.22 S 15 28.13 E at 108 83/11/18
End 35 37.35 S 15 29.17 E at 424

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	17.793	17.793	35.607	5.4	101.4	25.789	30.093	34.302	38.419	42.446	219.7	0.00	0.00	0.0
10	17.796	17.794	35.610	5.6	104.0	25.791	30.095	34.304	38.420	42.448	219 9	.02	.79	10 0
20	17.359	17.356	35.641	5.8	108.0	25.922	30.233	34.448	38.572	42.606	207 8	.04	6.40	19 9
30	16.882	16.877	35.619	6.0	109.8	26.020	30.339	34.563	38.694	42.736	198 9	.06	5.55	29.9
40	16.569	16.563	35.594	5.9	107.6	26.075	30.399	34.628	38.765	42.812	194.0	.08	4.15	39.9
50	16.521	16.513	35.597	5.6	102.2	26.089	30.414	34.644	38.781	42.829	193.0	.10	2.09	49.8
60	16.512	16.502	35.595	5.6	101.2	26.090	30 415	34.645	38.783	42.831	193.3	.12	.58	59.8
70	16.507	16.495	35.595	5.6	101.4	26.091	30.417	34.647	38.785	42.833	193.5	.14	.72	69.7
80	16.500	16.487	35.595	5.5	100.3	26.093	30.419	34.650	38.787	42.835	193.6	.16	.77	79.7
90	16.490	16.475	35.592	5.6	101.0	26.094	30.420	34.650	38.788	42.837	193.9	.18	.37	89.7
100	16.477	16.461	35.590	5.5	100.2	26.096	30.422	34.653	38.791	42.839	194.1	.20	.77	99.6
120	16.461	16.442	35.586	5.5	100 6	26.097	30.424	34.655	38.793	42.842	194.7	.24	.46	119.5
140	16.446	16.424	35 582	5.5	100.4	26.098	30.425	34.657	38.796	42 845	195 3	.28	.44	139.5
160	16.435	16.409	35.580	5.5	100.3	26.100	30.427	34.659	38.798	42.847	195 8	.32	.55	159.4
180	16.435	16.406	35.581	5.5	100.7	26.101	30.429	34.661	38.800	42.849	196 3	.36	.47	179.3
200	16.456	16 424	35.589	5.6	101.6	26.103	30.430	34.662	38.801	42.850	196.9	.39	.55	199.2
220	16.443	16 407	35.586	5.6	102.6	26.105	30 432	34.664	38.803	42 852	197.4	.43	.51	219.1
240	16.281	16.242	35.555	5.5	100.1	26.120	30.450	34.685	38.827	42.879	196.6	.47	1.55	239.0
260	16 070	16 028	35.536	5.5	99.4	26.154	30.489	34.727	38.873	42.928	193.9	.51	2.37	258.9
280	15 863	15 819	35 507	5.5	99.2	26.180	30.518	34.760	38.910	42.969	192.1	.55	2.04	278 8
300	15 597	15.550	35.464	5.5	98.7	26.208	30.551	34.798	38.952	43.016	190.0	.59	2.15	298.7
320	15.425	15.375	35.446	5.6	99.1	26.233	30.580	34.830	38.987	43.054	188.1	.63	2.03	318.6
340	15.318	15.266	35.436	5.6	99.0	26.250	30.598	34.851	39.010	43.078	187.1	.67	1.65	338.5
360	15.227	15 172	35.423	5.6	98.8	26.261	30.611	34.865	39.026	43.096	186.7	.70	1.34	358.4
380	14.977	14.919	35.382	5.5	97.4	26.285	30.640	34.899	39.064	43.139	184.9	.74	2.01	378.3
400	14.773	14.713	35.348	5.5	95.6	26.304	30.663	34.926	39.095	43.173	183.6	.78	1.79	398.2
450	14.028	13.963	35.282	5.2	89.8	26.414	30.787	35.064	39.246	43.337	174.2	.87	2.69	447.9
500	13.322	13.251	35.231	5.2	88.1	26.522	30.909	35.199	39.395	43.498	164.9	.95	2.68	497.6
550	12.731	12.655	35.156	5.1	85.9	26.583	30.983	35.285	39.491	43.606	159.9	1.03	2.06	547.3
600	12.002	11.923	35.060	5.2	85.7	26.651	31 066	35 382	39.604	43.732	154.0	1.11	2.19	597.0
650	11.304	11.221	34.971	5.1	83.2	26.713	31.143	35.474	39.709	43.851	148.6	1.19	2.11	646.6
700	10.712	10.626	34.899	5.0	81.0	26.765	31.207	35.551	39.798	43.952	144.1	1.26	1.94	696.2
750	10.115	10.026	34.838	5.0	78.7	26.822	31.277	35.634	39.893	44.059	139.0	1.33	2.04	745.9
800	9.366	9.274	34.762	4.8	74.9	26.888	31.360	35.733	40.009	44.190	132.6	1.40	2.23	795.5
900	7.397	7.306	34.566	4.6	68.4	27.034	31.553	35.970	40.290	44.512	117.1	1.52	2.41	894.6
1000	6.105	6.013	34.484	4.3	62.7	27.143	31.694	36.142	40.491	44.742	105.6	1.63	2.08	993.8
1100	4.444	4.356	34.344	5.0	69.2	27.227	31 820	36.310	40.699	44.989	94.7	1.73	2.00	1092.8
1200	3.895	3.804	34.359	4.9	67.3	27.296	31 904	36.408	40.810	45.113	87.7	1.83	1.64	1191.8
1300	3.741	3.643	34.439	4.5	60.8	27.376	31.987	36.494	40.900	45.207	80.7	1.91	1.62	1290.7
1400	3.471	3.367	34.479	4.2	56.8	27.435	32 053	36.567	40.980	45 292	75.2	1.99	1.46	1389.6
1500	3.175	3.065	34.536	4.1	55.6	27.509	32.134	36.656	41.076	45.395	68.0	2.06	1.62	1488.5
1600	3.019	2.902	34.586	4.1	55.1	27.564	32.193	36.718	41.142	45.465	63.1	2.12	1.38	1587.2
1700	2.890	2.766	34.638	4.2	55.8	27.617	32.250	36.779	41.205	45.532	58.3	2.19	1.35	1686.0
1800	2.840	2.709	34.688	4.3	57.4	27.662	32.296	36.826	41.254	45.581	54.6	2.24	1.21	1784.6
1900	2.779	2.639	34.730	4.5	59.6	27.702	32.337	36.869	41.298	45.627	51.4	2.29	1.15	1883.3
2000	2.780	2.631	34.768	4.6	61.6	27.733	32.368	36.900	41.329	45.657	49.2	2.35	.98	1981.9
2100	2.750	2.593	34.793	4.8	63.6	27.757	32.393	36.925	41.354	45.684	47.6	2.39	.88	2080.4
2200	2.731	2.565	34.814	4.9	65.0	27.776	32.412	36.945	41.375	45.705	46.4	2.44	.80	2178.9
2300	2.686	2.511	34.823	5.0	66.1	27.788	32.426	36.960	41.391	45.723	45.7	2.49	.68	2277.3
2400	2.638	2.455	34.831	5.0	66.8	27.799	32.439	36.974	41.407	45.739	45.0	2.53	.67	2375.7
2500	2.586	2.394	34.836	5.1	67.4	27.808	32.449	36 986	41.421	45.755	44.5	2.58	.64	2474.1
2600	2.539	2.338	34.840	5.1	68.1	27.816	32.459	36.997	41.433	45.768	44.1	2.62	.60	2572.4
2700	2.490	2.280	34.842	5.1	68.2	27.822	32.467	37.007	41.444	45.781	43.8	2.66	.57	2670.6
2800	2.447	2.229	34.843	5.2	68.4	27.828	32.473	37.015	41.453	45.791	43.6	2.71	.52	2768.8
2900	2.398	2.171	34.845	5.2	68.6	27.834	32.481	37.024	41.464	45.804	43.3	2.75	.58	2867.0
3000	2.360	2.123	34.846	5.2	68.5	27.839	32.487	37.031	41.473	45.813	43.1	2.80	.51	2965.1
3200	2.270	2.016	34.846	5.2	68.3	27.847	32.499	37.046	41.490	45.834	42.7	2.88	.52	3161.3
3400	2.161	1.888	34.837	5.1	67.3	27.850	32.505	37.056	41.504	45.850	42.6	2.97	.47	3357.2
3600	1.964	1.675	34.817	5.1	66.6	27.851	32.512	37.069	41.522	45.874	41.8	3.05	.57	3553.0
3800	1.662	1 360	34.788	5.1	66.0	27.850	32.521	37.086	41.549	45.909	39.9	3.13	.71	3748.6
4000	1.350	1.035	34.761	5.2	67.0	27.851	32.531	37.106	41.577	45.946	37.4	3.21	.75	3944.0
4200	1.178	.846	34.745	5.2	66.8	27.851	32.536	37.117	41.593	45.967	36.3	3.28	.57	4139.2
4400	1.102	.750	34.737	5.1	65.3	27.850	32.539	37.122	41.601	45.978	36.0	3.36	.42	4334.3
4600	1.060	.687	34.731	4.9	63.0	27.850	32.540	37.125	41.606	45.984	36.1	3.43	.33	4529.2
4751	.995	.607	34.725	4.8	61.4	27.850	32.543	37.130	41.613	45.994	35.7	3.48	.47	4676.2

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	17.631	17.630	35.613	5.89	5.2	0.25	0.6	0.02	0.20	25.834	30.140	34.351	38.471	42.501	4.2
13	17.076	17.074	35.609		5.7	0.22	0.7	0.02	0.20	25.965	30.281	34.501	38.630	42.668	12.8
30	16.637	16.632	35.601		4.5	0.23	0.7	0.03		26.064	30.387	34.615	38.750	42.796	29.6
55	16.520	16.511	35.598		5.1	0.27	1.9	0.17		26.090	30.415	34.645	38.783	42.830	54.4
104	16.463	16.446	35.588	5.49	5.3	0.30	2.9	0.45		26.098	30.424	34.655	38.794	42.842	103.6
206	16.434	16.401	35.581	5.51	5.7	0.31	3.1	0.15		26.103	30.430	34.662	38.801	42.851	204.2
307	15.678	15.630	35.483		6.2	0.40	4.1	0.01		26.205	30.546	34.792	38.944	43.007	304.6
408	14.785	14.723	35.357	5.26	6.3	0.51	6.0			26.309	30.667	34.930	39.099	43.177	404.0
509	13.284	13.212	35.234		6.6	0.76	9.3			26.532	30.920	35.211	39.407	43.511	504.3
704	10.739	10.652	34.908		8.6		14.7			26.767	31.209	35.552	39.799	43.952	697.7
705	10.733	10.646	34.908	4.90		1.11				26.768	31.210	35.553	39.800	43.953	698.2
799	9.531	9.438	34.777	4.81	11.6	1.36	19.3			26.873	31.341	35.711	39.983	44.160	791.9
900	7.831	7.738	34.611	4.79	16.3	1.74	22.4			27.008	31.516	35.923	40.233	44.446	891.4
1011	6.124	6.031	34.487		23.9	2.06	28.0		0.37	27.144	31.693	36.141	40.490	44.741	1000.6
1248	3.798	3.703	34.379		34.7	2.41	32.4			27.322	31 932	36.438	40.843	45.149	1235.1
1505	3.169	3.059	34.534	4.06	50.4	2.57	34.1			27.508	32.133	36.655	41.075	45 395	1488.6
1753	2.835	2.707	34.659		54.3	2.43	32.3			27.639	32.273	36.803	41.231	45 559	1732 5
2007	2.772	2.623	34.759	4.61	41.9	2.22	23.9			27.727	32 362	36.894	41 323	45 652	1982 5
2493	2.610	2.418	34.835		46.8	1.97	26.0			27.805	32 446	36.982	41.416	45 749	2460 1
2989	2.365	2.129	34.846	5.25	47 4	1.90	24.0			27.838	32 487	37 030	41 472	45 812	2946 2
3477	2.105	1.825	34.835		54.9	1.97	25.3			27.854	32.511	37 063	41 512	45 860	3423 8
3978	1.386	1.072	34.764	5 07	76.4	2.25	29.5		0 31	27.851	32 530	37 104	41 574	45 942	3913 1
4476	1.089	0.729	34.734	5 09	89.8	2.37	33.1			27.849	32 539	37 122	41 602	45 979	4397 4
4756	0.998	0 609	34.730							27.854	32 546	37 133	41 617	45 997	4669 5


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
PT
SA
OXYGEN (ML/L)
OX
2.
3.
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5.
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7.
8.
KN 104/5
12

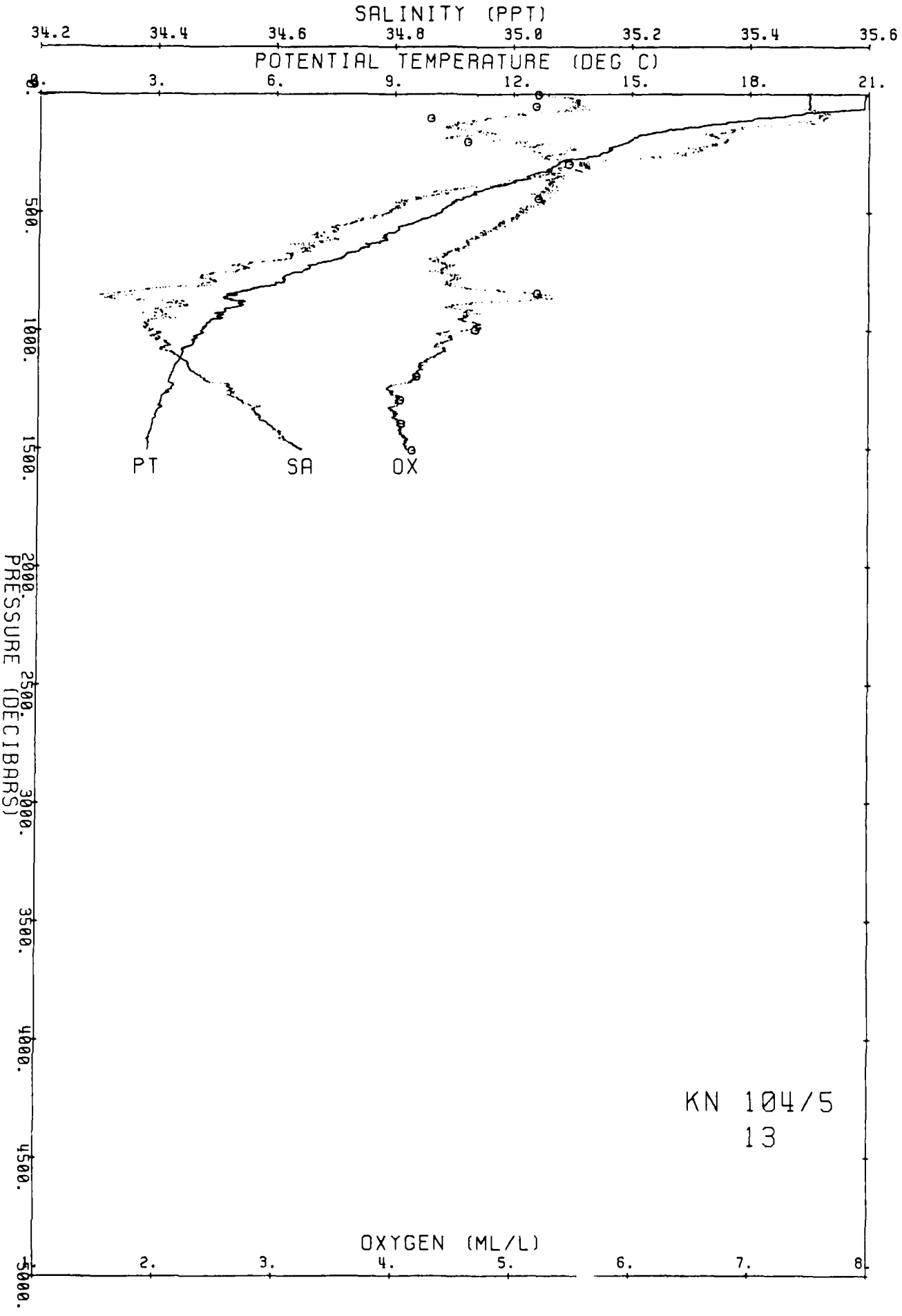

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
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5.4
5.7
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KN 104/5
12

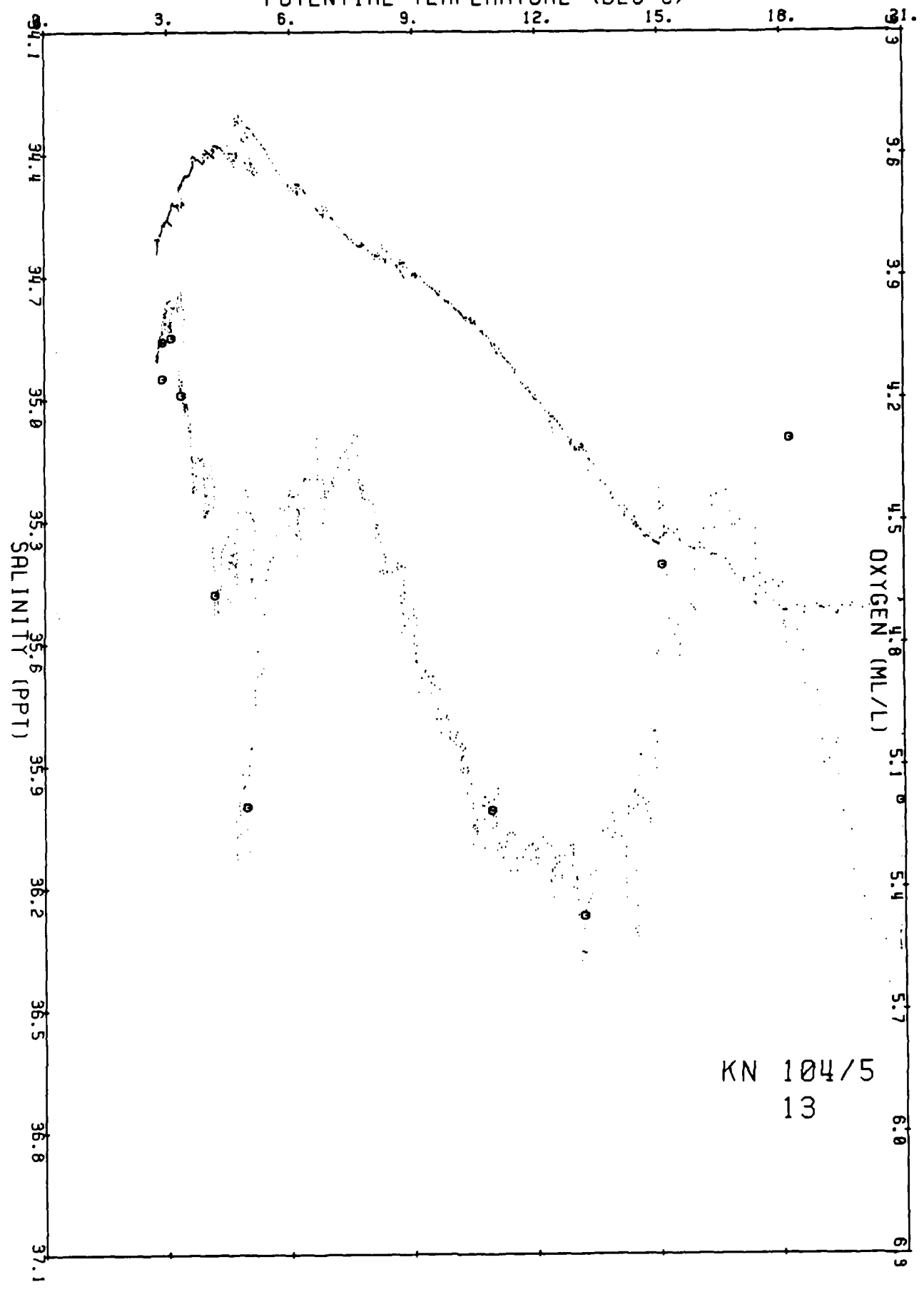

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
KN 104/5
12
PT
SA
OX
OXYGEN (ML/L)
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5.
6.
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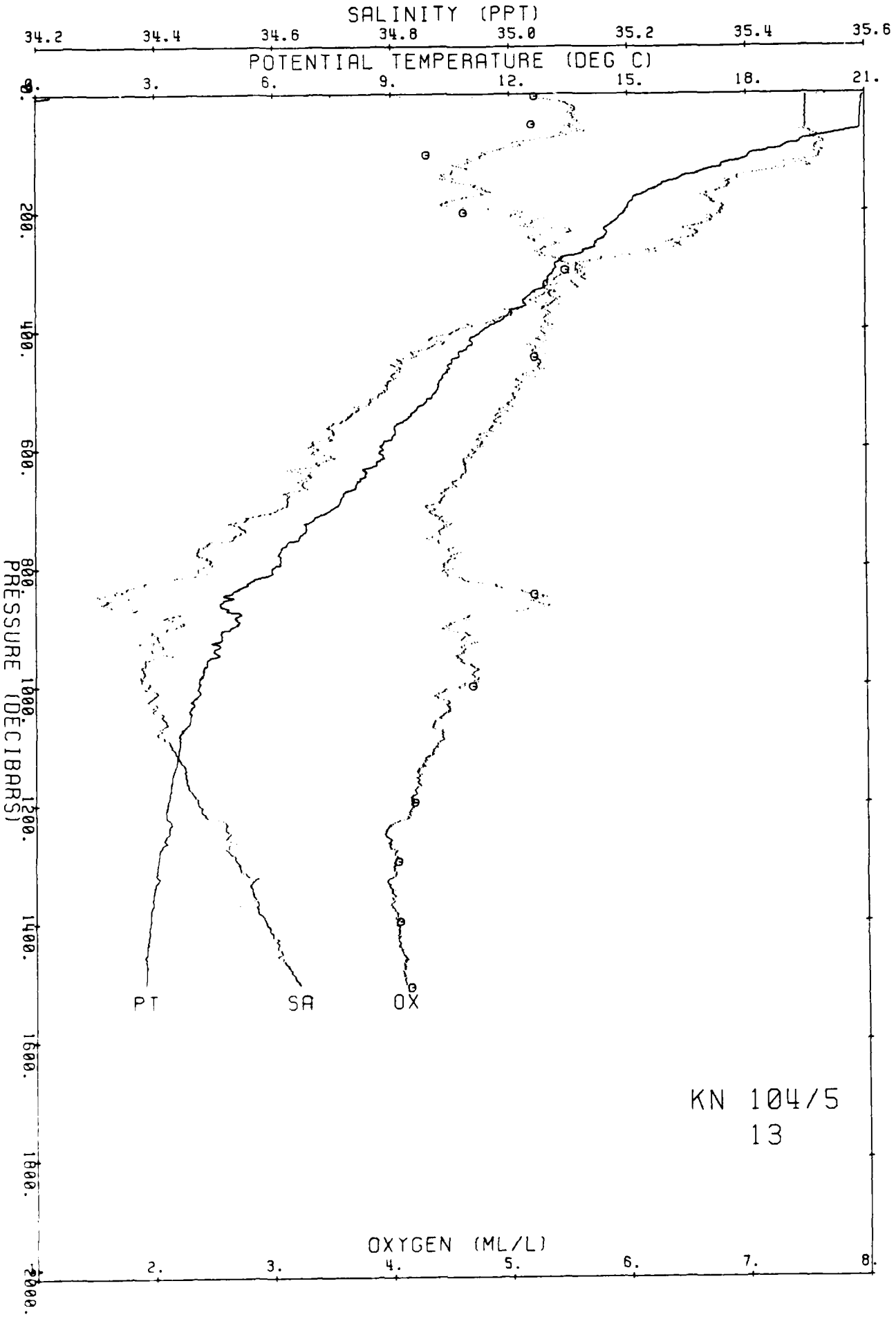
Ship KN Cruise 1045 Station 13 Cast 1 DT
Start 35 54.94 S 16 12.57 E at 858 83/11/18
End 35 52.94 S 16 12.15 E at 1048

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	21.347	21.347	35.533	3.5	69.4	24.806	29.055	33.210	37.275	41.253	313.2	0.00	0.00	0.0
10	20.923	20.921	35.501	5.3	105.3	24.898	29.153	33.315	37.386	41.370	304.9	.03	5.38	10.0
20	20.911	20.907	35.501	5.5	108.6	24.902	29.157	33.319	37.390	41.374	304.9	.06	1.09	20.0
30	20.894	20.889	35.500	5.5	109.4	24.906	29.162	33.324	37.395	41.380	304.9	.09	1.15	29.9
40	20.891	20.884	35.499	5.5	109.5	24.907	29.162	33.324	37.396	41.381	305.3	.12	.42	39.9
50	20.892	20.882	35.500	5.5	109.3	24.908	29.163	33.326	37.397	41.382	305.6	.15	.60	49.9
60	20.886	20.875	35.500	5.6	109.7	24.910	29.166	33.328	37.400	41.384	305.8	.18	.80	59.8
70	20.163	20.150	35.514	5.5	106.8	25.115	29.382	33.555	37.637	41.631	286.6	.21	8.04	69.8
80	19.401	19.386	35.526	5.1	98.5	25.325	29.603	33.788	37.881	41.886	267.0	.24	8.13	79.8
90	18.995	18.979	35.517	5.0	96.1	25.423	29.708	33.898	37.998	42.009	258.0	.27	5.56	89.8
100	18.408	18.391	35.514	4.8	90.0	25.570	29.864	34.064	38.172	42.192	244.4	.29	6.80	99.7
120	17.400	17.380	35.485	4.5	83.6	25.796	30.108	34.324	38.448	42.483	223.4	.34	5.99	119.7
140	16.440	16.417	35.386	4.4	80.5	25.949	30.277	34.510	38.650	42.701	209.4	.38	4.93	139.6
160	15.754	15.729	35.368	4.8	85.4	26.093	30.434	34.679	38.830	42.892	196.2	.42	4.79	159.5
180	15.162	15.134	35.340	4.5	79.9	26.205	30.557	34.812	38.974	43.045	186.1	.46	4.22	179.4
200	14.963	14.933	35.357	5.1	90.0	26.263	30.618	34.877	39.042	43.116	181.2	.50	3.02	199.3
220	14.610	14.577	35.325	5.2	90.6	26.316	30.677	34.943	39.114	43.195	176.7	.53	2.91	219.2
240	14.482	14.447	35.315	5.2	90.7	26.336	30.700	34.968	39.142	43.225	175.3	.57	1.81	239.1
260	14.201	14.163	35.291	5.3	91.9	26.378	30.748	35.021	39.200	43.287	171.8	.60	2.61	259.0
280	13.367	13.328	35.154	5.4	92.2	26.446	30.833	35.122	39.317	43.420	165.6	.64	3.37	278.9
300	13.151	13.109	35.121	5.6	94.2	26.465	30.856	35.150	39.348	43.455	164.2	.67	1.78	298.8
320	12.910	12.866	35.106	5.3	89.6	26.502	30.898	35.196	39.400	43.511	161.2	.70	2.46	318.7
340	12.576	12.530	35.057	5.3	89.3	26.531	30.934	35.239	39.449	43.566	158.8	.73	2.20	338.6
360	12.381	12.333	35.058	5.3	88.3	26.570	30.977	35.286	39.499	43.620	155.5	.77	2.52	358.5
380	11.909	11.860	34.983	5.3	87.4	26.603	31.020	35.338	39.561	43.691	152.6	.80	2.39	378.4
400	11.367	11.316	34.910	5.3	85.8	26.648	31.076	35.406	39.640	43.780	148.4	.83	2.78	398.3
450	10.594	10.539	34.814	5.3	84.1	26.714	31.158	35.504	39.754	43.910	142.8	.90	2.13	447.9
500	10.221	10.162	34.788	5.1	80.8	26.759	31.212	35.566	39.824	43.987	139.3	.97	1.76	497.6
550	9.439	9.377	34.723	4.9	76.2	26.841	31.311	35.682	39.956	44.135	131.9	1.04	2.38	547.3
600	8.847	8.782	34.677	4.7	72.0	26.900	31.384	35.768	40.055	44.246	126.5	1.10	2.06	596.9
650	8.271	8.203	34.649	4.6	70.3	26.968	31.465	35.862	40.161	44.365	120.4	1.16	2.18	646.6
700	7.599	7.528	34.609	4.3	64.4	27.036	31.549	35.962	40.276	44.493	113.8	1.22	2.22	696.2
750	6.744	6.673	34.535	4.3	63.0	27.097	31.631	36.064	40.397	44.634	107.5	1.28	2.18	745.8
800	6.060	5.989	34.475	4.4	63.9	27.140	31.690	36.139	40.489	44.741	103.0	1.33	1.86	795.4
900	5.050	4.975	34.436	4.4	62.5	27.231	31.807	36.281	40.655	44.930	93.7	1.43	1.88	894.5
1000	4.214	4.137	34.390	4.6	63.5	27.287	31.885	36.380	40.774	45.069	87.6	1.52	1.54	993.6
1100	3.724	3.642	34.430	4.4	59.7	27.369	31.980	36.487	40.894	45.200	79.6	1.60	1.73	1092.7
1200	3.430	3.343	34.476	4.2	56.5	27.435	32.053	36.568	40.981	45.295	73.4	1.68	1.52	1191.6
1300	3.185	3.092	34.542	4.0	54.2	27.511	32.136	36.657	41.076	45.395	66.4	1.75	1.62	1290.6
1400	2.985	2.886	34.589	4.0	54.0	27.568	32.197	36.723	41.147	45.471	61.2	1.81	1.40	1389.4
1500	2.870	2.763	34.641	4.1	54.8	27.620	32.253	36.781	41.208	45.534	56.6	1.87	1.33	1488.3
1505	2.876	2.769	34.643	4.1	54.8	27.621	32.254	36.782	41.209	45.535	56.6	1.88	.70	1493.2

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	21.000	20.999	35.510	5.21	7.3		0.9	0.01	0.20	24.884	29.137	33.298	37.368	41.351	4.4
14	20.943	20.940	35.503		7.4	0.21	0.8	0.01		24.895	29.149	33.310	37.381	41.365	13.7
29	20.919	20.914	35.502		6.8	0.18	0.7	0.01		24.901	29.156	33.318	37.389	41.373	28.3
52	20.893	20.883	35.503	5.19	6.7	0.15	0.7	0.01		24.910	29.166	33.328	37.399	41.384	52.0
103	18.213	18.195	35.530	4.30	9.4	0.46	5.5	0.04		25.631	29.928	34.131	38.242	42.265	102.2
153	15.976	15.952	35.390		10.1	0.62	7.8	0.13		26.060	30.396	34.637	38.785	42.842	152.2
201	15.117	15.086	35.370	4.61	11.1	0.65	7.8	0.04		26.239	30.591	34.847	39.010	43.081	199.8
249	14.355	14.318	35.308		10.3	0.71	9.2	0.03	0.39	26.358	30.725	34.995	39.171	43.256	246.9
299	13.202	13.160	35.122	5.47	8.7	0.71	7.5	0.02	0.20	26.456	30.845	35.138	39.336	43.442	296.0
445	10.957	10.902	34.869	5.21	9.4	1.01	14.1			26.692	31.129	35.467	39.709	43.858	441.3
697	7.762	7.691	34.625		13.8	1.70	21.5			27.025	31.534	35.943	40.253	44.467	690.3
797	5.841	5.771	34.418		22.9	1.94	31.2			27.122	31.678	36.133	40.488	44.745	789.4
846	5.001	4.932	34.346	5.20	28.1	2.03	27.4		0.51	27.165	31.743	36.219	40.594	44.871	838.1
907	4.826	4.752	34.410		24.9	2.21	35.6		0.34	27.236	31.818	36.298	40.677	44.957	897.8
1001	4.232	4.155	34.389	4.68	44.1	2.27	33.8		0.20	27.284	31.882	36.377	40.770	45.065	991.1
1097	3.769	3.687	34.420		48.0	2.39	35.6			27.357	31.966	36.473	40.878	45.183	1085.5
1196	3.441	3.354	34.472		60.1		37.0			27.431	32.049	36.563	40.976	45.290	1184.0
1197	3.431	3.344	34.471	4.19		2.47				27.431	32.049	36.564	40.977	45.291	1184.4
1297	3.191	3.098	34.550	4.05	53.8	2.46	37.4			27.517	32.141	36.662	41.081	45.400	1283.0
1297	3.190	3.097	34.540							27.509	32.134	36.654	41.073	45.392	1283.6
1397	2.990	2.891	34.585		56.4		37.6		0.60	27.564	32.194	36.719	41.143	45.467	1382.5
1398	2.986	2.887	34.585	4.06		2.46				27.564	32.194	36.720	41.144	45.468	1383.2
1509	2.990	2.881	34.530	4.15	73.1	2.41	35.7		0.30	27.521	32.151	36.678	41.102	45.426	1492.8
1507	2.876	2.769	34.642							27.620	32.253	36.781	41.208	45.534	1490.4


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
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18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
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OXYGEN (ML/L)
2.
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KN 104/5
13

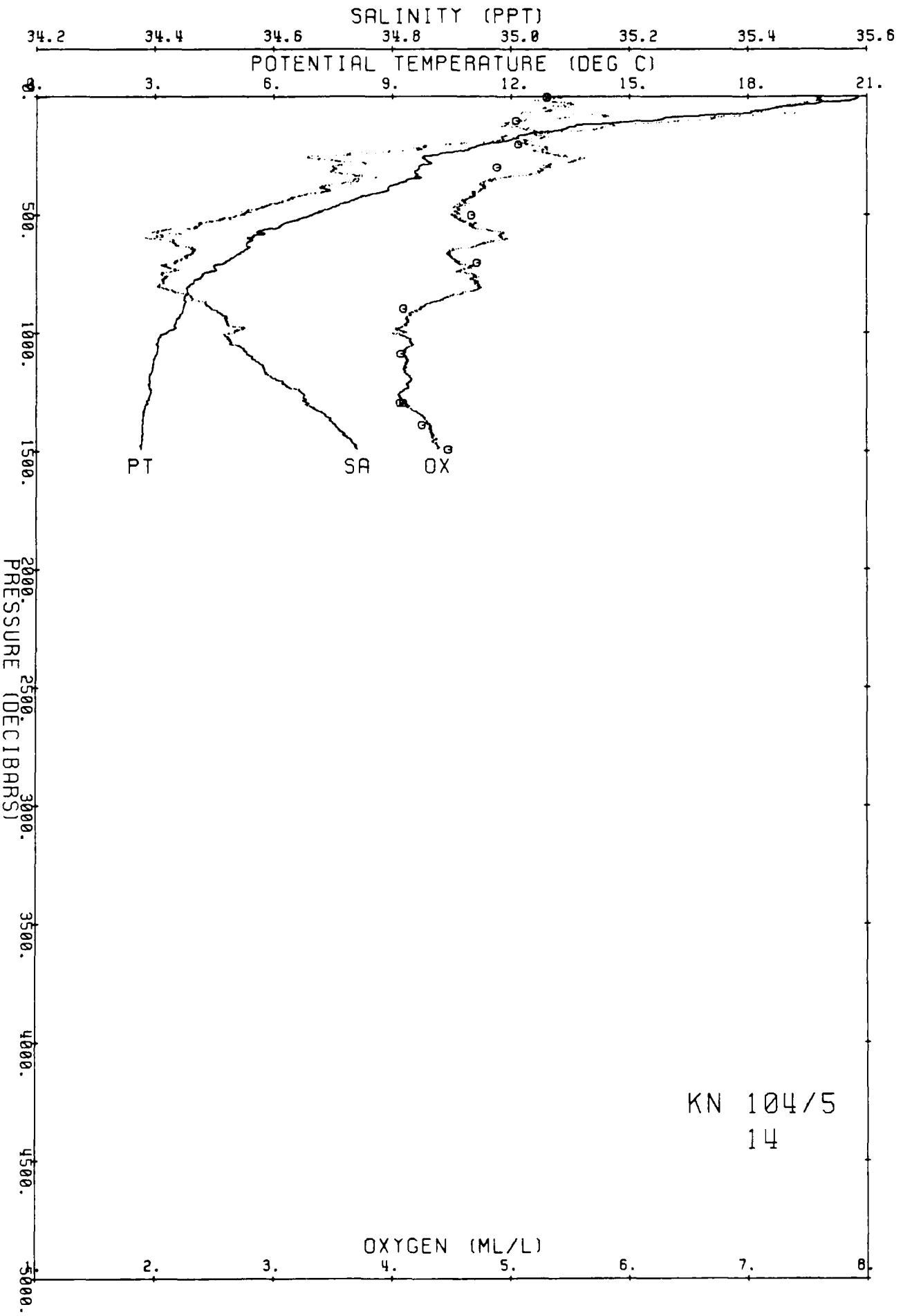

POTENTIAL TEMPERATURE (DEG C)
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21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
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3.9
4.2
4.5
4.8
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KN 104/5
13

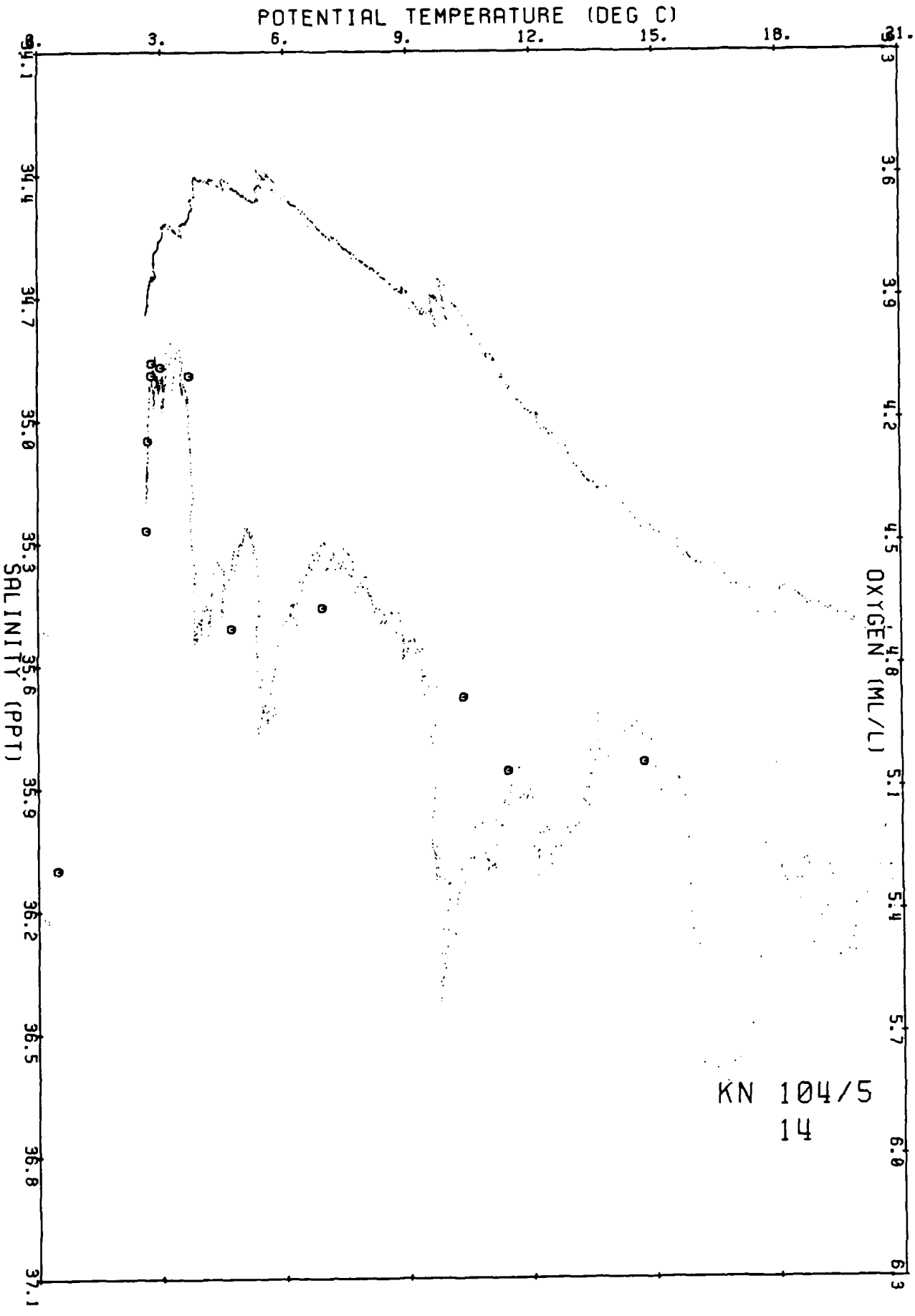

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PT
SA
OX
KN 104/5
13
OXYGEN (ML/L)
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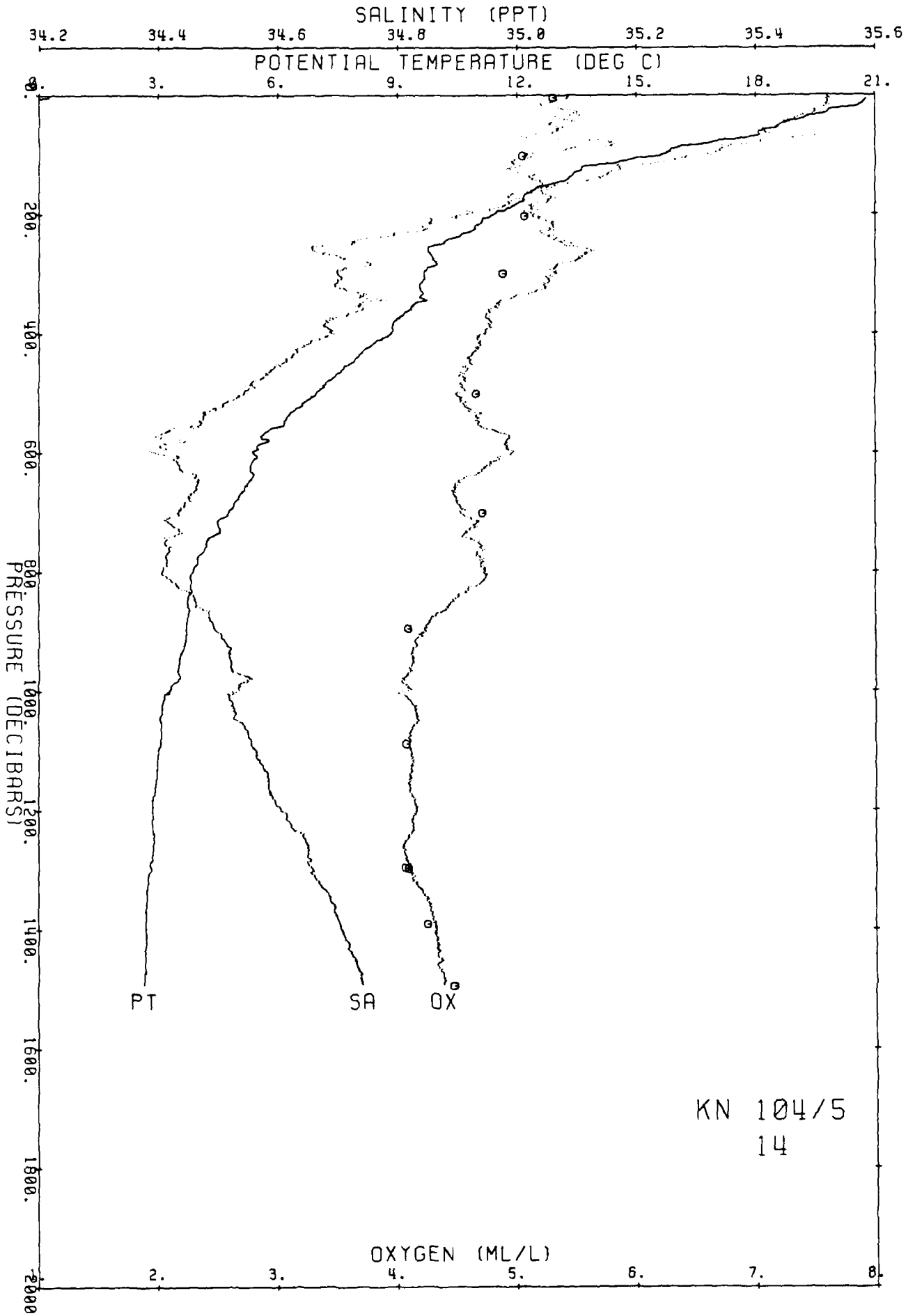
Ship KN Cruise 1045 Station 14 Cast 1 DT
Start 35 59.21 S 17 6.94 E at 1651 83/11/18
End 35 56.91 S 17 6.20 E at 1850

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	21.249	21.249	35.520	5.4	107.6	24.823	29.073	33.230	37.296	41.275	311.6	0.00	0.00	0.0
10	20.728	20.726	35.521	5.3	104.3	24.966	29.224	33.388	37.462	41.449	298.4	.03	6.71	10.0
20	20.460	20.457	35.516	5.3	103.8	25.035	29.297	33.465	37.543	41.533	292.2	.06	4.65	19.9
30	19.796	19.791	35.498	5.5	105.8	25.198	29.470	33.649	37.736	41.735	277.1	.09	7.16	29.9
40	19.169	19.162	35.467	5.4	103.2	25.338	29.620	33.808	37.905	41.914	264.2	.12	6.63	39.9
50	18.619	18.610	35.441	5.3	99.9	25.459	29.750	33.947	38.052	42.069	253.0	.14	6.17	49.9
60	18.164	18.154	35.414	5.3	99.9	25.552	29.851	34.055	38.168	42.191	244.5	.17	5.43	59.8
70	17.966	17.954	35.479	5.0	94.3	25.651	29.953	34.160	38.275	42.301	235.4	.19	5.58	69.8
80	16.901	16.888	35.408	5.8	105.7	25.855	30.175	34.400	38.533	42.575	216.3	.21	8.02	79.8
90	15.912	15.898	35.343	5.4	97.8	26.036	30.374	34.616	38.765	42.823	199.3	.23	7.56	89.7
100	15.620	15.605	35.319	5.1	90.7	26.084	30.427	34.674	38.828	42.892	195.1	.25	3.90	99.7
120	13.677	13.660	35.172	5.0	85.9	26.392	30.772	35.055	39.243	43.340	166.1	.29	6.99	119.6
140	13.314	13.295	35.140	5.1	87.3	26.442	30.829	35.119	39.315	43.418	161.8	.32	2.83	139.5
160	12.431	12.410	35.026	5.2	86.9	26.531	30.936	35.243	39.456	43.575	153.8	.35	3.78	159.4
180	12.079	12.056	34.986	5.2	86.8	26.568	30.981	35.295	39.514	43.641	150.6	.38	2.46	179.3
200	11.457	11.432	34.916	5.1	84.0	26.631	31.057	35.384	39.616	43.754	144.9	.41	3.21	199.2
220	10.969	10.942	34.841	5.3	85.6	26.663	31.099	35.437	39.678	43.826	142.3	.44	2.29	219.1
240	10.388	10.360	34.749	5.3	85.0	26.694	31.143	35.494	39.747	43.907	139.5	.47	2.33	239.0
260	9.790	9.760	34.658	5.6	88.3	26.726	31.189	35.552	39.818	43.990	136.6	.50	2.34	258.9
280	9.989	9.957	34.749	5.4	86.1	26.764	31.222	35.580	39.842	44.009	133.6	.53	2.39	278.8
300	9.705	9.671	34.700	5.3	83.4	26.774	31.238	35.603	39.871	44.044	133.0	.55	1.36	298.7
320	9.596	9.560	34.697	5.2	81.9	26.790	31.256	35.624	39.894	44.070	131.8	.58	1.63	318.6
340	9.612	9.573	34.737	5.0	78.0	26.819	31.285	35.652	39.921	44.097	129.5	.60	2.13	338.5
360	9.388	9.348	34.741	4.8	74.3	26.859	31.330	35.702	39.976	44.156	126.0	.63	2.57	358.3
380	8.964	8.923	34.682	4.8	73.8	26.882	31.363	35.744	40.027	44.216	123.9	.66	2.02	378.2
400	8.903	8.860	34.691	4.7	72.9	26.899	31.381	35.763	40.048	44.238	122.7	.68	1.66	398.1
450	7.848	7.803	34.606	4.6	69.3	26.994	31.501	35.907	40.215	44.427	113.7	.74	2.57	447.8
500	7.021	6.974	34.545	4.5	66.4	27.064	31.591	36.016	40.343	44.573	107.0	.79	2.23	497.5
550	6.207	6.158	34.471	4.7	67.7	27.115	31.661	36.106	40.452	44.700	102.0	.85	1.95	547.1
600	5.411	5.361	34.394	5.0	70.5	27.153	31.720	36.184	40.549	44.816	98.0	.90	1.76	596.7
650	5.306	5.253	34.467	4.5	64.1	27.223	31.792	36.259	40.626	44.895	91.9	.94	2.12	646.4
700	4.826	4.770	34.434	4.5	63.4	27.253	31.834	36.313	40.692	44.972	88.9	.99	1.54	696.0
750	4.256	4.200	34.410	4.7	64.6	27.296	31.892	36.386	40.778	45.072	84.3	1.03	1.84	745.6
800	3.912	3.854	34.404	4.7	64.8	27.327	31.933	36.435	40.836	45.138	81.2	1.07	1.54	795.1
900	3.769	3.703	34.498	4.2	57.9	27.417	32.026	36.531	40.935	45.240	73.4	1.15	1.70	894.3
1000	3.330	3.259	34.523	4.0	54.6	27.480	32.101	36.617	41.032	45.347	67.3	1.22	1.52	993.3
1100	3.084	3.007	34.563	4.1	55.3	27.536	32.162	36.685	41.106	45.427	62.3	1.29	1.39	1092.3
1200	2.931	2.848	34.605	4.2	55.7	27.584	32.214	36.741	41.166	45.490	58.1	1.35	1.28	1191.3
1300	2.902	2.811	34.658	4.1	54.8	27.629	32.261	36.788	41.213	45.538	54.5	1.40	1.20	1290.2
1400	2.784	2.687	34.708	4.3	57.7	27.680	32.315	36.845	41.273	45.601	50.1	1.46	1.31	1389.1
1492	2.760	2.655	34.741	4.4	58.4	27.710	32.344	36.875	41.304	45.632	47.9	1.50	1.01	1480.0

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	21.477	21.476	35.550	5.30	8.1	0.13	0.7	0.01	0.20	24.783	29.030	33.183	37.246	41.222	4.5
13	20.641	20.639	35.520		6.1	0.14	0.7	0.01	0.24	24.989	29.248	33.414	37.489	41.477	12.9
29	19.358	19.353	35.474							25.294	29.573	33.758	37.852	41.858	28.6
53	18.382	18.373	35.503		6.6	0.15	0.7	0.01	0.20	25.566	29.860	34.061	38.169	42.189	52.6
103	14.750	14.735	35.308	5.04	10.3	0.54	6.0	0.17	0.20	26.268	30.627	34.890	39.059	43.137	102.0
153	12.578	12.558	35.061		8.5	0.82	12.1	0.02	0.20	26.529	30.931	35.235	39.445	43.562	151.3
203	11.440	11.414	34.926	5.06	8.5	0.97	17.4	0.02	0.20	26.642	31.068	35.396	39.628	43.767	201.6
252	10.705	10.674	34.851		9.8	1.08	16.8	0.01	0.20	26.718	31.160	35.503	39.750	43.903	249.9
300	10.384	10.348	34.854	4.88	15.3	1.18	15.8		0.20	26.778	31.227	35.577	39.830	43.989	297.3
410	8.186	8.144	34.622		13.9	1.58	24.4		0.20	26.956	31.454	35.853	40.153	44.358	406.2
501	6.961	6.914	34.534	4.66	23.2	1.84	28.8		0.20	27.064	31.592	36.019	40.347	44.578	497.0
605	5.657	5.605	34.457		33.3	2.08	28.0		0.20	27.173	31.733	36.192	40.550	44.811	599.1
702	4.761	4.705	34.447	4.71	22.0	1.99	21.7		0.20	27.270	31.854	36.334	40.714	44.995	695.5
827	3.947	3.886	34.453		44.3	2.43	35.6		0.20	27.363	31.967	36.468	40.868	45.169	819.1
896	3.759	3.694	34.486	4.09	49.4	2.49	38.9		0.20	27.409	32.018	36.523	40.928	45.233	887.4
993	3.513	3.442	34.539		47.1	2.44	31.1		0.27	27.476	32.091	36.603	41.013	45.324	983.2
1089	3.081	3.005	34.551	4.07	57.7	2.51	39.1		0.20	27.526	32.153	36.676	41.097	45.419	1078.5
1199	2.950	2.867	34.595		61.4	2.49	41.6		0.20	27.574	32.204	36.731	41.155	45.479	1186.4
1297	2.867	2.777	34.641	4.06	54.2	2.44	34.6		0.39	27.619	32.251	36.780	41.206	45.532	1283.0
1297	2.867	2.777	34.641	4.09						27.619	32.251	36.780	41.206	45.532	1283.6
1391	2.775	2.678	34.691	4.25	52.7		32.0		0.20	27.668	32.302	36.833	41.261	45.589	1376.1
1392	2.786	2.689	34.696			2.36				27.671	32.305	36.835	41.263	45.591	1376.9
1477	2.763	2.659	34.731		56.2	2.19	38.6		0.20	27.701	32.336	36.867	41.295	45.624	1461.1
1495	2.757	2.652	34.739	4.47						27.708	32.343	36.874	41.303	45.631	1478.3


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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2500.
3000.
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PRESSURE (DECIBARS)
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OX
KN 104/5
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OXYGEN (ML/L)
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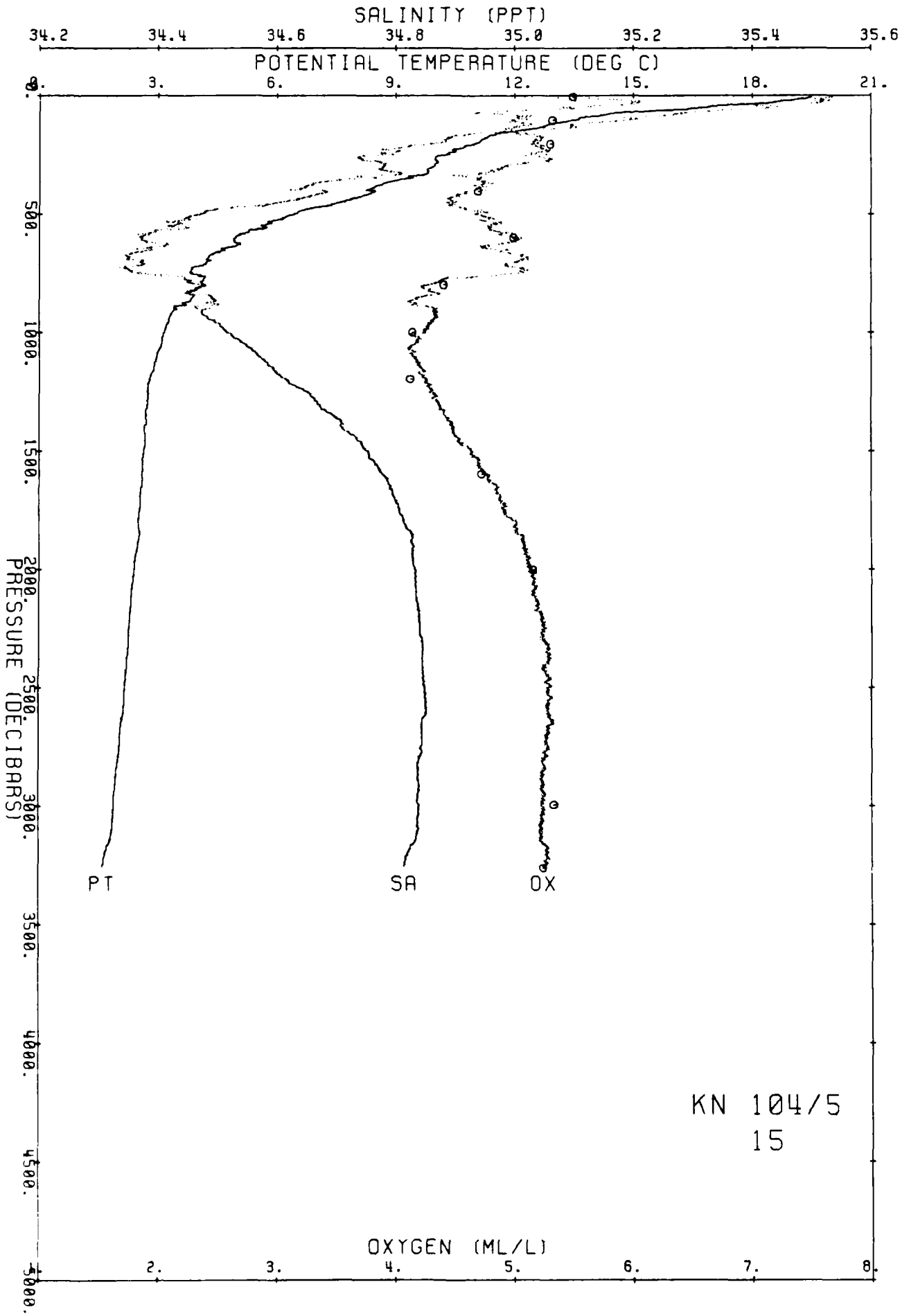

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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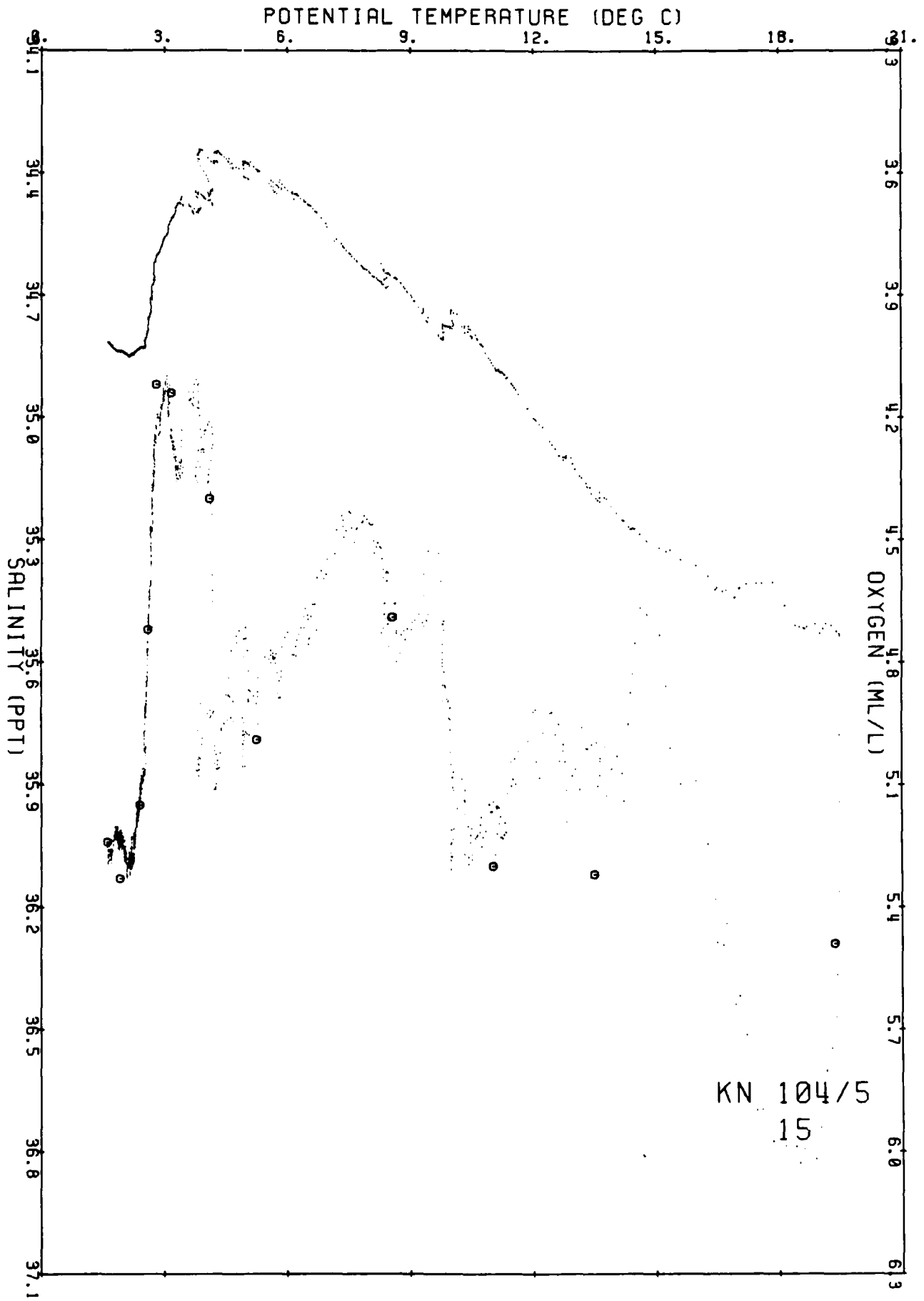

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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KN 104/5
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OXYGEN (ML/L)
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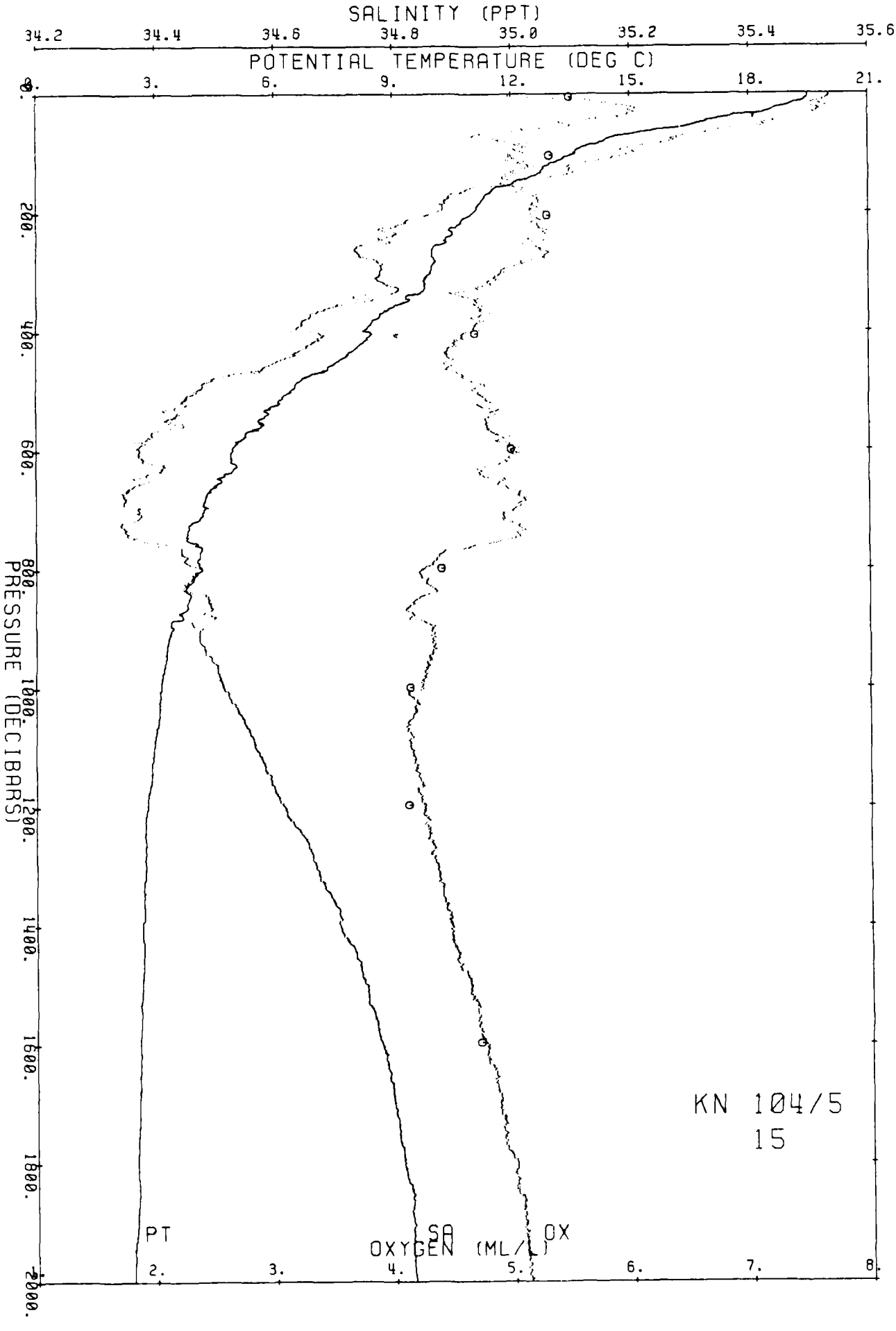
Ship KN Cruise 1045 Station 15 Cast 1 DT
Start 35 59.94 S 18 .14 E at 2335 83/11/18
End 36 .30 S 18 2.88 E at 228

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	19.477	19.477	35.535	5.0	95.8	25.308	29.585	33.768	37.860	41.863	265.4	0.00	0.00	0.0
10	19.419	19.418	35.525	5.6	107.0	25.316	29.594	33.778	37.871	41.875	265.1	.03	1.57	10.0
20	19.001	18.997	35.530	5.9	113.3	25.428	29.713	33.903	38.002	42.013	254.8	.05	5.93	19.9
30	18.501	18.496	35.514	6.0	113.9	25.543	29.836	34.034	38.141	42.159	244.2	.08	6.01	29.9
40	17.458	17.452	35.407	5.9	109.1	25.719	30.030	34.245	38.369	42.403	227.8	.10	7.44	39.9
50	16.718	16.710	35.423	5.4	99.2	25.909	30.232	34.459	38.595	42.640	210.1	.12	7.72	49.8
60	15.986	15.977	35.364	5.1	91.5	26.034	30.370	34.611	38.758	42.816	198.5	.14	6.29	59.8
70	14.795	14.785	35.303	4.7	82.2	26.254	30.612	34.873	39.042	43.119	177.8	.16	8.33	69.8
80	14.343	14.332	35.268	5.0	86.1	26.325	30.691	34.961	39.137	43.222	171.4	.18	4.73	79.7
90	13.808	13.796	35.200	5.1	88.1	26.385	30.762	35.043	39.229	43.323	165.8	.20	4.40	89.7
100	13.592	13.578	35.203	5.1	87.3	26.433	30.814	35.098	39.288	43.387	161.6	.21	3.88	99.6
120	12.942	12.926	35.098	5.1	86.7	26.484	30.879	35.176	39.379	43.489	157.1	.24	2.88	119.6
140	12.484	12.465	35.066	4.9	82.2	26.551	30.955	35.261	39.472	43.590	151.3	.28	3.25	139.5
160	11.577	11.557	34.927	5.0	82.4	26.617	31.040	35.364	39.594	43.730	145.3	.31	3.28	159.4
180	11.267	11.245	34.888	5.2	85.0	26.644	31.074	35.405	39.641	43.783	143.1	.33	2.12	179.3
200	11.050	11.026	34.871	5.1	83.2	26.671	31.105	35.441	39.681	43.827	141.0	.36	2.08	199.2
220	10.681	10.654	34.810	5.2	83.8	26.690	31.132	35.476	39.724	43.877	139.5	.39	1.81	219.1
240	10.448	10.420	34.790	5.2	83.1	26.716	31.163	35.512	39.764	43.923	137.5	.42	2.05	239.0
260	10.053	10.023	34.738	5.2	83.0	26.744	31.200	35.557	39.818	43.984	135.1	.45	2.18	258.9
280	10.094	10.061	34.773	5.1	81.0	26.765	31.220	35.576	39.836	44.001	133.6	.47	1.79	278.8
300	9.980	9.946	34.779	4.9	78.0	26.789	31.247	35.605	39.867	44.035	131.7	.50	1.98	298.6
320	9.862	9.826	34.792	4.8	76.1	26.820	31.280	35.641	39.905	44.075	129.2	.53	2.21	318.5
340	9.373	9.335	34.734	4.6	71.5	26.856	31.327	35.699	39.974	44.153	125.8	.55	2.50	338.4
360	8.968	8.929	34.691	4.7	72.9	26.888	31.369	35.749	40.033	44.221	122.9	.58	2.35	358.3
380	8.561	8.521	34.651	4.7	71.8	26.921	31.411	35.801	40.093	44.290	119.9	.60	2.38	378.2
400	8.428	8.386	34.662	4.7	71.0	26.950	31.443	35.836	40.131	44.331	117.4	.62	2.19	398.0
450	7.630	7.585	34.605	4.5	66.9	27.025	31.537	35.948	40.260	44.477	110.5	.68	2.28	447.7
500	6.454	6.409	34.467	4.7	68.3	27.079	31.619	36.059	40.399	44.641	105.0	.73	2.06	497.4
550	5.657	5.611	34.420	4.8	68.3	27.143	31.704	36.162	40.521	44.782	98.6	.79	2.16	547.0
600	5.007	4.959	34.375	5.0	70.1	27.185	31.762	36.237	40.611	44.887	94.4	.83	1.79	596.7
650	4.735	4.684	34.390	4.9	69.1	27.228	31.812	36.293	40.674	44.956	90.5	.88	1.72	646.3
700	4.289	4.237	34.373	5.0	69.3	27.263	31.859	36.351	40.743	45.036	87.0	.92	1.64	695.9
750	3.874	3.820	34.372	5.0	67.9	27.305	31.912	36.415	40.817	45.120	82.8	.97	1.77	745.5
800	4.250	4.190	34.480	4.2	58.6	27.353	31.949	36.442	40.834	45.127	79.5	1.01	1.57	795.1
900	3.506	3.442	34.479	4.3	58.8	27.428	32.043	36.556	40.967	45.278	71.9	1.08	1.69	894.2
1000	3.231	3.162	34.517	4.2	57.2	27.485	32.108	36.627	41.044	45.362	66.7	1.15	1.41	993.3
1100	3.053	2.977	34.568	4.1	55.6	27.542	32.170	36.694	41.115	45.437	61.6	1.22	1.40	1092.3
1200	2.879	2.796	34.617	4.3	56.8	27.598	32.230	36.758	41.184	45.510	56.6	1.28	1.37	1191.2
1300	2.839	2.749	34.669	4.4	58.1	27.644	32.277	36.805	41.232	45.559	53.0	1.33	1.21	1290.1
1400	2.766	2.668	34.709	4.5	59.8	27.683	32.317	36.848	41.277	45.605	49.8	1.38	1.14	1389.0
1500	2.756	2.650	34.753	4.6	61.9	27.720	32.354	36.885	41.314	45.642	47.0	1.43	1.07	1487.8
1600	2.718	2.605	34.779	4.8	63.7	27.744	32.380	36.912	41.342	45.671	45.3	1.48	.90	1586.6
1700	2.692	2.570	34.798	4.9	64.9	27.763	32.399	36.932	41.362	45.692	44.1	1.52	.78	1685.3
1800	2.642	2.513	34.814	5.0	66.7	27.780	32.418	36.952	41.384	45.715	42.9	1.56	.79	1784.0
1900	2.640	2.502	34.829	5.1	67.5	27.793	32.432	36.966	41.397	45.729	42.4	1.61	.64	1882.6
2000	2.556	2.410	34.831	5.1	68.1	27.803	32.444	36.980	41.414	45.748	41.7	1.65	.67	1981.2
2100	2.501	2.348	34.835	5.2	68.5	27.811	32.454	36.992	41.428	45.763	41.3	1.69	.61	2079.7
2200	2.463	2.301	34.839	5.2	69.3	27.818	32.462	37.001	41.438	45.775	41.0	1.73	.55	2178.2
2300	2.439	2.268	34.843	5.2	69.3	27.824	32.469	37.009	41.447	45.784	41.0	1.77	.49	2276.6
2400	2.401	2.222	34.845	5.3	69.5	27.830	32.476	37.017	41.456	45.794	40.8	1.81	.51	2375.0
2500	2.368	2.180	34.849	5.3	69.7	27.836	32.483	37.026	41.466	45.805	40.6	1.85	.54	2473.3
2600	2.342	2.145	34.852	5.3	69.7	27.842	32.490	37.033	41.474	45.814	40.5	1.89	.49	2571.6
2700	2.261	2.056	34.844	5.3	69.2	27.842	32.493	37.039	41.482	45.824	40.4	1.94	.48	2669.9
2800	2.217	2.004	34.840	5.2	68.8	27.843	32.495	37.043	41.487	45.831	40.6	1.98	.40	2768.1
2900	2.166	1.944	34.839	5.2	68.9	27.847	32.501	37.050	41.496	45.842	40.4	2.02	.52	2866.3
3000	2.133	1.901	34.839	5.2	68.6	27.851	32.506	37.056	41.503	45.849	40.3	2.06	.46	2964.4
3200	1.922	1.676	34.820	5.3	68.7	27.853	32.514	37.071	41.524	45.876	39.4	2.14	.58	3160.5
3256	1.867	1.616	34.815	5.2	68.4	27.853	32.516	37.075	41.530	45.884	39.2	2.16	.57	3215.4

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE	
5	19.354	19.353	35.533	5.49	5.6	0.30	1.5	0.01	1.02	25.339	29.618	33.803	37.896	41.902	5.1	
12	19.353	19.351	35.533		6.7	0.16	1.6	0.01	0.20	25.340	29.618	33.803	37.897	41.902	12.1	
29	18.459	18.454	35.514		6.7	0.14	1.6	0.01	0.20	25.554	29.847	34.046	38.153	42.172	28.7	
54	16.949	16.940	35.425		8.2	0.26	3.3	0.34	0.20	25.856	30.175	34.399	38.530	42.572	53.8	
104	13.502	13.487	35.159	5.32	6.1	0.61	3.2	0.03	0.20	26.418	30.801	35.087	39.279	43.379	103.0	
154	12.344	12.324	35.053		10.3	0.91	13.4	0.03	0.20	26.568	30.975	35.284	39.498	43.619	153.0	
204	11.042	11.017	34.887	5.30	9.0	0.99	14.5	0.03	0.20	26.685	31.119	35.455	39.695	43.841	202.3	
303	10.028	9.993	34.783		9.9	1.20	18.8	0.01	0.20	26.784	31.241	35.598	39.859	44.026	300.9	
403	8.602	8.559	34.691	4.69	15.2	1.51	27.1		0.20	26.946	31.435	35.824	40.115	44.311	400.0	
502	6.608	6.562	34.483		19.1	1.86	33.8		0.20	27.071	31.608	36.044	40.380	44.619	498.0	
598	5.295	5.246	34.391	4.99	24.0	2.03	31.8		0.20	27.164	31.734	36.201	40.569	44.838	593.0	
697	4.488	4.434	34.382		30.6	2.19	39.1		0.20	27.249	31.839	36.327	40.714	45.002	690.9	
799	4.160	4.100	34.465	4.40	16.2	2.30	13.6		0.20	27.350	31.949	36.444	40.839	45.134	791.2	
899	3.498	3.434	34.458		37.7	2.46	30.7		0.20	27.412	32.028	36.541	40.952	45.263	890.8	
999	3.234	3.164	34.511	4.14	25.3	2.50	18.8		0.20	27.480	32.103	36.622	41.039	45.357	989.1	
1101	3.041	2.965	34.568		53.0	2.50	40.5		0.20	27.544	32.171	36.695	41.118	45.440	1089.8	
1197	2.883	2.801	34.600	4.12	53.0	2.45	35.2		0.20	27.584	32.216	36.744	41.170	45.496	1184.6	
1394	2.775	2.678	34.702		51.6	2.23	33.2		0.20	27.676	32.311	36.841	41.270	45.598	1379.4	
1597	2.716	2.603	34.777	4.72	52.9	2.10	36.7		0.20	27.743	32.379	36.911	41.340	45.670	1579.0	
1794	2.681	2.551	34.822		31.3	1.94	19.8		0.20	27.783	32.420	36.953	41.384	45.714	1773.1	
2002	2.549	2.403	34.832	5.15	49.4	1.91	33.3		0.20	27.804	32.445	36.982	41.416	45.750	1978.3	
2488	2.380	2.193	34.851							27.837	32.484	37.026	41.465	45.804	2455.7	
2995	2.143	1.912	34.842	5.33	51.3	1.90	28.7		0.20	27.852	32.507	37.057	41.504	45.850	2952.4	
3261	1.864	1.612	34.816	5.24	62.4	1.99	32.7		0.20	27.854	32.518	37.076	41.531	45.885	3212.5	


SALINITY (PPT)
34.2
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34.6
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35.0
35.2
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35.6
POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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500.
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OXYGEN (ML/L)
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KN 104/5
15

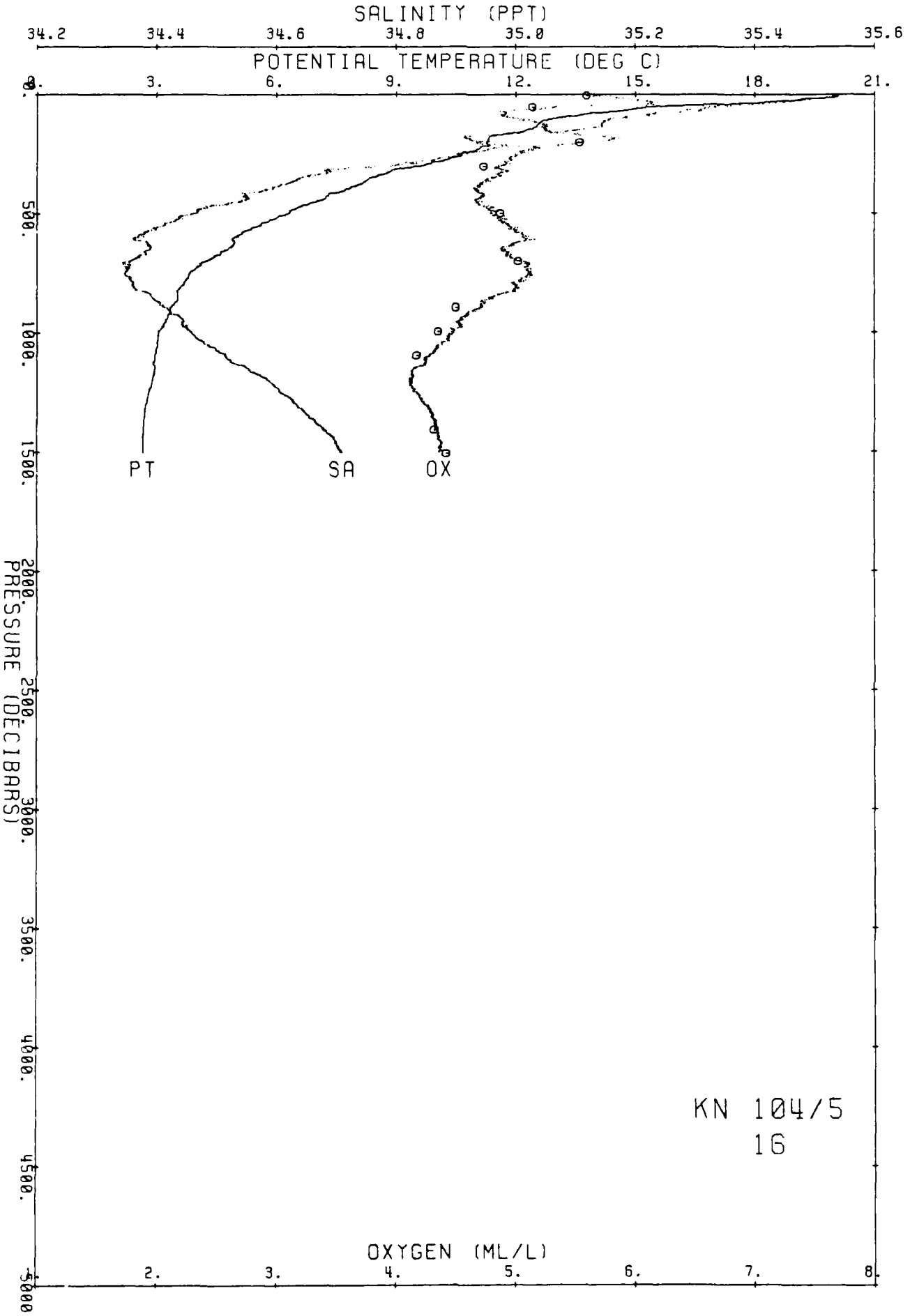

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
34.1
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36.2
36.5
36.8
37.1
OXYGEN (ML/L)
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3.9
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KN 104/5
15

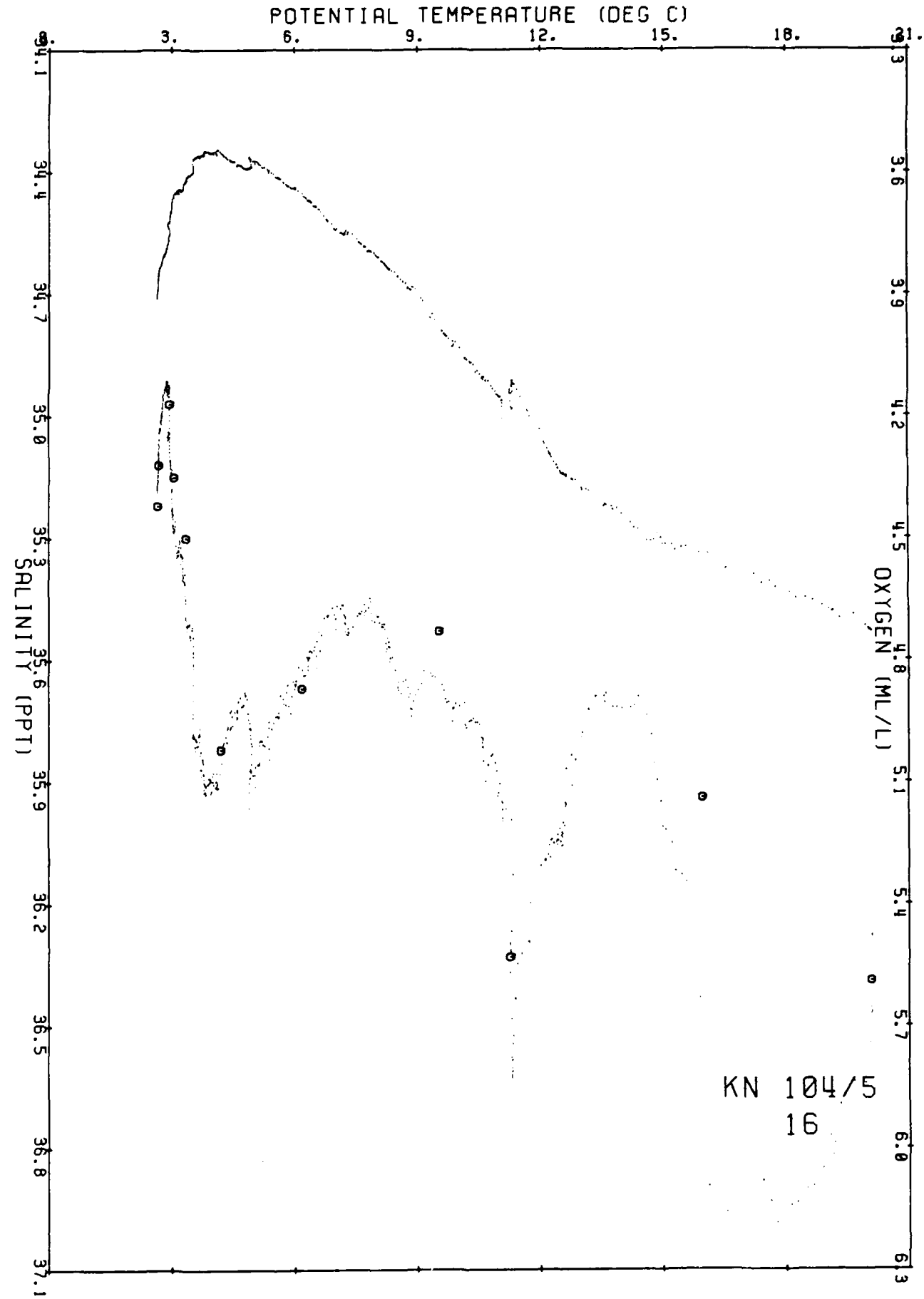

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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KN 104/5
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OXYGEN (ML/L)
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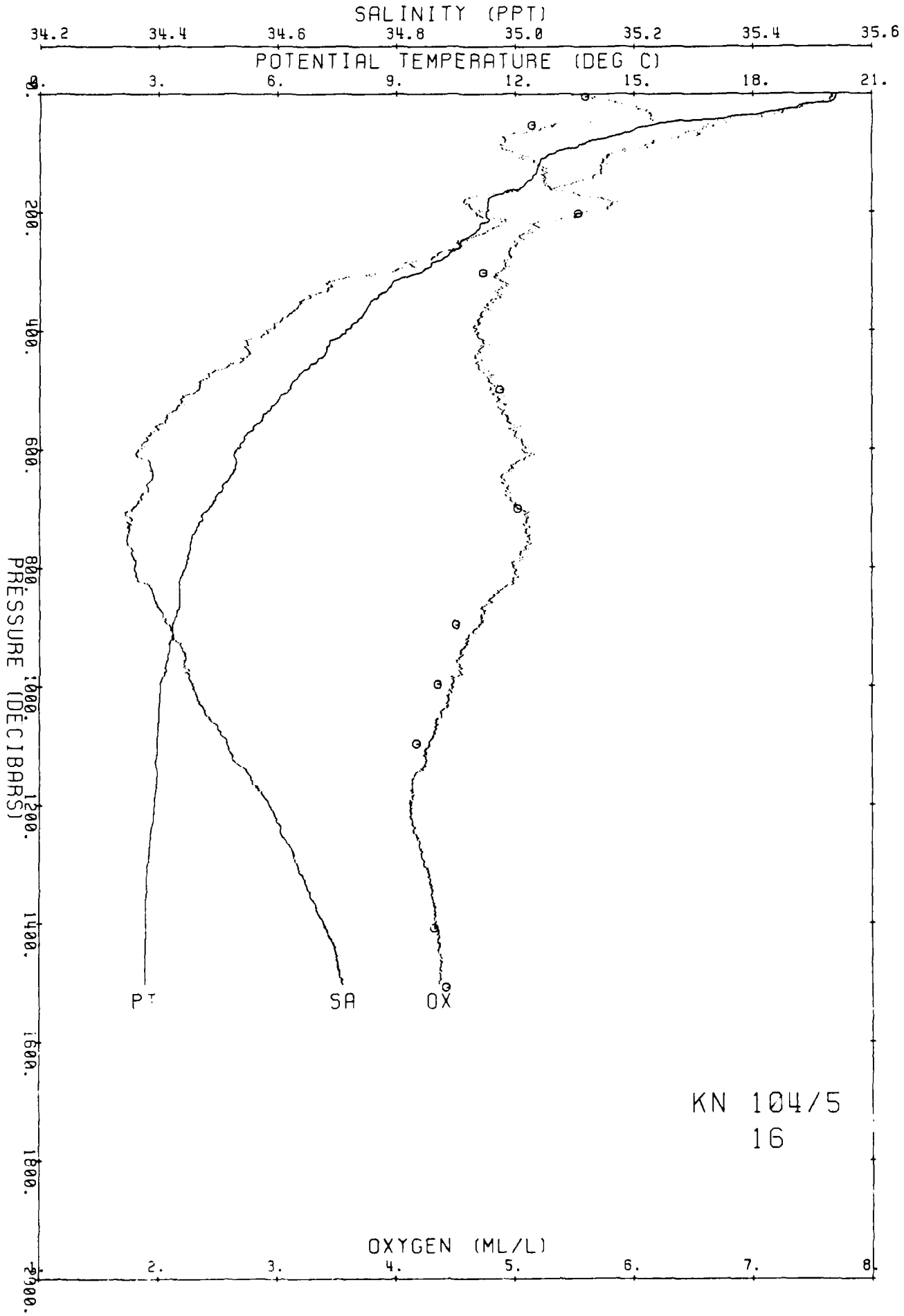
Ship KN Cruise 1045 Station 16 Cast 1 DT
Start 35 59.76 S 19 .01 E at 735 83/11/19
End 36 .03 S 19 .15 E at 920

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	20.106	20.106	35.532	5.5	106.6	25.141	29.408	33.581	37.664	41.659	281.4	0.00	0.00	0.0
10	20.052	20.050	35.529	5.7	111.7	25.153	29.421	33.596	37.679	41.675	280.6	.03	1.98	10.0
20	19.170	19.167	35.481	6.0	114.5	25.347	29.629	33.817	37.914	41.922	262.5	.06	7.80	19.9
30	18.512	18.507	35.450	6.1	115.2	25.491	29.784	33.983	38.090	42.108	249.2	.08	6.73	29.9
40	17.447	17.440	35.414	6.1	112.5	25.727	30.038	34.254	38.377	42.412	227.1	.10	8.61	39.9
50	15.584	15.577	35.324	5.3	95.3	26.094	30.438	34.685	38.840	42.904	192.4	.13	10.75	49.8
60	15.032	15.023	35.316	5.2	91.9	26.211	30.565	34.822	38.986	43.059	181.6	.14	6.08	59.8
70	14.638	14.628	35.308	4.9	86.3	26.292	30.652	34.917	39.088	43.167	174.2	.16	5.03	69.8
80	13.912	13.901	35.229	4.9	84.7	26.386	30.761	35.039	39.223	43.315	165.5	.18	5.46	79.7
90	13.602	13.590	35.223	4.9	83.7	26.446	30.827	35.111	39.300	43.398	160.1	.20	4.36	89.7
100	13.045	13.031	35.179	5.0	84.4	26.526	30.918	35.213	39.412	43.520	152.7	.21	5.04	99.6
120	12.601	12.585	35.144	5.2	87.1	26.588	30.989	35.292	39.500	43.616	147.3	.24	3.14	119.6
140	12.446	12.427	35.130	5.2	87.6	26.608	31.012	35.318	39.530	43.649	145.9	.27	1.80	139.5
160	12.135	12.114	35.065	5.3	87.8	26.618	31.029	35.342	39.560	43.685	145.4	.30	1.33	159.4
180	11.352	11.329	34.914	5.8	94.2	26.649	31.077	35.406	39.640	43.780	142.7	.33	2.29	179.3
200	11.300	11.275	34.935	5.6	90.6	26.675	31.104	35.434	39.669	43.810	140.7	.36	2.04	199.2
220	11.130	11.103	35.005	5.2	83.6	26.761	31.193	35.526	39.764	43.908	133.0	.38	3.68	219.1
240	10.885	10.856	34.933	5.0	81.2	26.750	31.187	35.526	39.769	43.918	134.5	.41	-1.25	239.0
260	10.622	10.591	34.907	5.0	80.0	26.777	31.220	35.564	39.812	43.967	132.3	.44	2.11	258.9
280	10.199	10.166	34.859	4.9	77.9	26.814	31.266	35.620	39.877	44.039	129.0	.46	2.48	278.7
300	9.703	9.669	34.799	4.9	76.6	26.851	31.315	35.679	39.947	44.119	125.6	.49	2.53	298.6
320	8.925	8.891	34.681	4.9	75.9	26.886	31.368	35.749	40.034	44.223	122.2	.51	2.51	318.5
340	8.583	8.548	34.655	4.9	74.3	26.920	31.409	35.799	40.090	44.286	119.2	.54	2.38	338.4
360	8.325	8.288	34.634	4.7	72.2	26.943	31.439	35.834	40.131	44.333	117.2	.56	2.00	358.3
380	8.081	8.043	34.608	4.7	71.0	26.960	31.461	35.862	40.165	44.372	115.8	.58	1.72	378.2
400	7.763	7.723	34.581	4.7	70.0	26.986	31.495	35.903	40.213	44.427	113.4	.61	2.13	398.0
450	7.053	7.011	34.541	4.7	69.8	27.056	31.582	36.006	40.332	44.561	107.0	.66	2.20	447.7
500	6.339	6.295	34.464	4.8	69.6	27.091	31.635	36.077	40.419	44.665	103.6	.72	1.66	497.4
550	5.643	5.597	34.411	4.9	70.5	27.138	31.699	36.158	40.517	44.778	99.1	.77	1.86	547.0
600	4.999	4.951	34.366	5.1	71.0	27.178	31.756	36.231	40.606	44.882	95.0	.81	1.77	596.7
650	4.819	4.768	34.388	4.9	68.7	27.217	31.799	36.278	40.657	44.937	91.7	.86	1.60	646.3
700	4.315	4.263	34.355	5.0	69.3	27.246	31.841	36.333	40.725	45.017	88.7	.91	1.54	695.9
750	3.895	3.840	34.348	5.1	70.1	27.284	31.890	36.393	40.795	45.098	84.8	.95	1.70	745.5
800	3.724	3.667	34.359	5.0	67.9	27.310	31.921	36.428	40.834	45.141	82.5	.99	1.36	795.1
900	3.414	3.351	34.420	4.7	63.5	27.389	32.008	36.523	40.937	45.250	75.2	1.07	1.64	894.2
1000	3.118	3.049	34.459	4.5	60.0	27.449	32.075	36.598	41.019	45.340	69.7	1.14	1.44	993.3
1100	3.044	2.968	34.516	4.3	57.2	27.502	32.130	36.654	41.077	45.399	65.3	1.21	1.31	1092.3
1200	2.977	2.894	34.586	4.1	55.1	27.564	32.194	36.720	41.144	45.467	60.0	1.27	1.42	1191.2
1300	2.817	2.728	34.633	4.2	56.4	27.617	32.251	36.780	41.208	45.535	55.4	1.33	1.34	1290.1
1400	2.775	2.678	34.677	4.3	57.7	27.656	32.291	36.822	41.250	45.579	52.2	1.38	1.13	1389.0
1500	2.771	2.666	34.707	4.4	58.2	27.681	32.316	36.847	41.276	45.604	50.6	1.44	.88	1487.8
1503	2.771	2.665	34.710	4.4	58.2	27.684	32.319	36.849	41.278	45.606	50.4	1.44	-9.99	1490.8

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	20.086	20.085	35.527	5.59	6.0	0.20	1.6	0.01	0.20	25.143	29.410	33.584	37.667	41.662	4.8
13	19.918	19.916	35.523		6.0	0.20	1.7	0.01		25.184	29.454	33.631	37.716	41.714	13.3
28	19.036	19.031	35.483		4.1	0.15	1.3	0.01		25.384	29.668	33.858	37.957	41.967	27.3
53	15.979	15.971	35.363	5.14	9.2	0.46	6.0	0.31		26.035	30.371	34.611	38.759	42.817	52.3
103	13.105	13.091	35.189		8.9	0.86	8.7	0.06		26.522	30.912	35.206	39.405	43.511	102.2
153	12.378	12.358	35.113		8.1	0.82	13.1	0.02		26.608	31.014	35.322	39.535	43.655	151.5
203	11.284	11.259	34.916	5.53	8.2	0.90	12.1	0.01		26.663	31.093	35.423	39.658	43.800	200.9
253	10.652	10.621	34.907		10.6	1.11	15.4	0.02		26.772	31.214	35.558	39.805	43.959	251.0
302	9.565	9.531	34.774	4.73	13.0	1.36	18.6			26.855	31.322	35.689	39.959	44.135	299.7
404	7.740	7.700	34.582		16.1	1.70	25.7			26.990	31.500	35.908	40.219	44.433	400.4
499	6.230	6.186	34.449	4.87	18.8	1.89	25.3			27.094	31.640	36.085	40.430	44.678	494.9
605	4.879	4.831	34.352		23.7	2.07	32.2			27.181	31.762	36.240	40.617	44.897	599.5
701	4.249	4.196	34.350	5.02	28.3	2.22	31.0			27.249	31.846	36.340	40.733	45.027	694.2
795	3.707	3.650	34.354		28.5	2.33	28.0			27.308	31.919	36.427	40.833	45.140	787.4
896	3.412	3.349	34.413	4.50	39.6	2.43	34.8			27.384	32.003	36.518	40.932	45.245	887.6
996	3.114	3.045	34.453		31.5		23.7			27.444	32.071	36.594	41.015	45.336	986.7
997	3.114	3.045	34.454	4.35		2.51				27.445	32.072	36.595	41.016	45.336	987.4
1096	3.035	2.959	34.516							27.503	32.131	36.656	41.078	45.401	1085.1
1097	3.035	2.959	34.516	4.17	41.7	2.53	29.1			27.503	32.131	36.656	41.078	45.401	1086.3
1207	2.973	2.889	34.582		39.9	2.50	26.4			27.562	32.191	36.717	41.141	45.465	1195.0
1308	2.811	2.720	34.628		41.0	2.41	26.1			27.613	32.247	36.777	41.205	45.533	1294.6
1407	2.776	2.678	34.673		46.2		29.1			27.653	32.288	36.819	41.247	45.576	1391.9
1408	2.776	2.678	34.675	4.32		2.33				27.655	32.289	36.820	41.249	45.577	1393.2
1508	2.771	2.665	34.706	4.42	54.4	2.27	35.7		0.20	27.681	32.316	36.846	41.275	45.603	1492.0


SALINITY (PPT)
34.2
34.4
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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KN 104/5
16
OXYGEN (ML/L)
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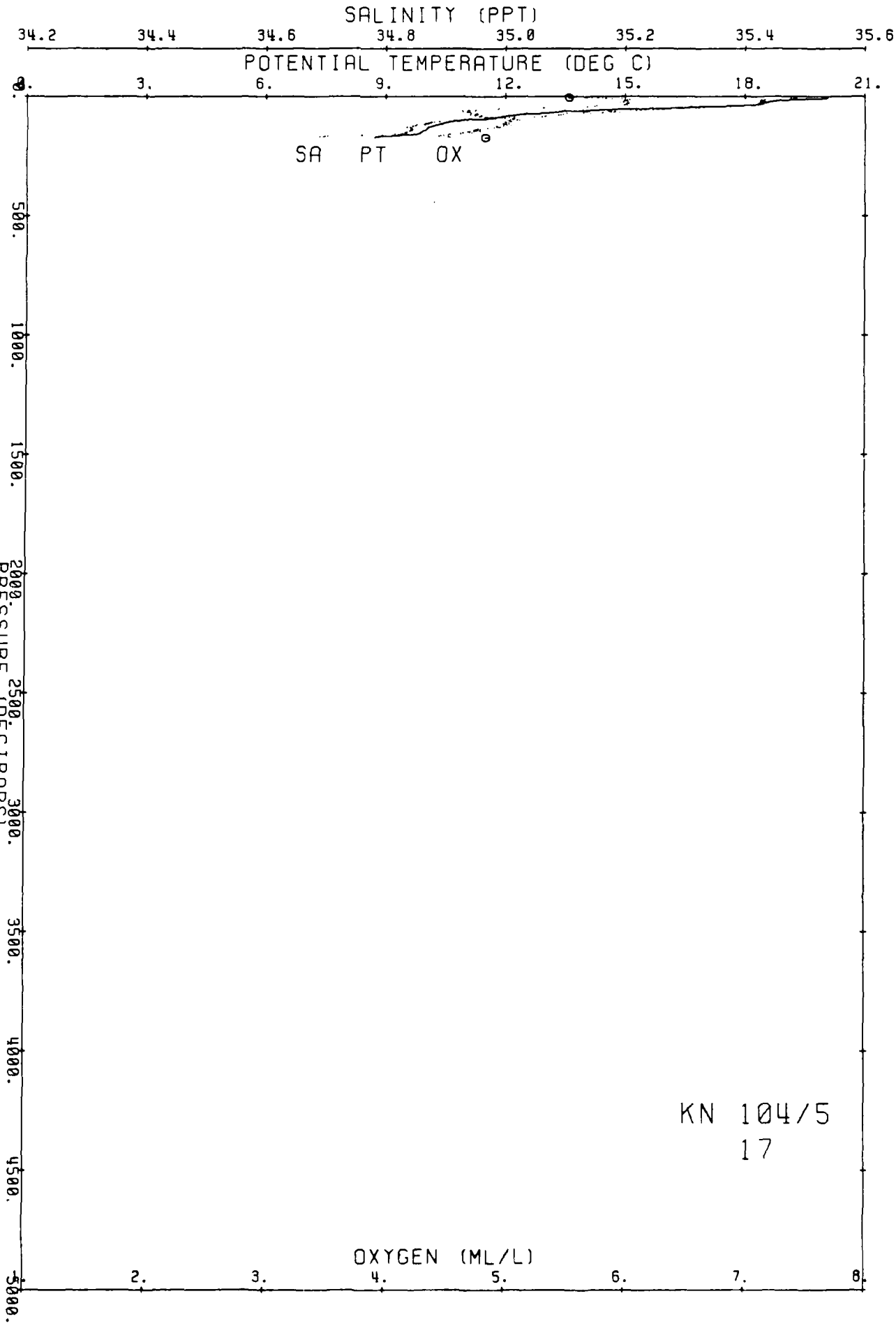

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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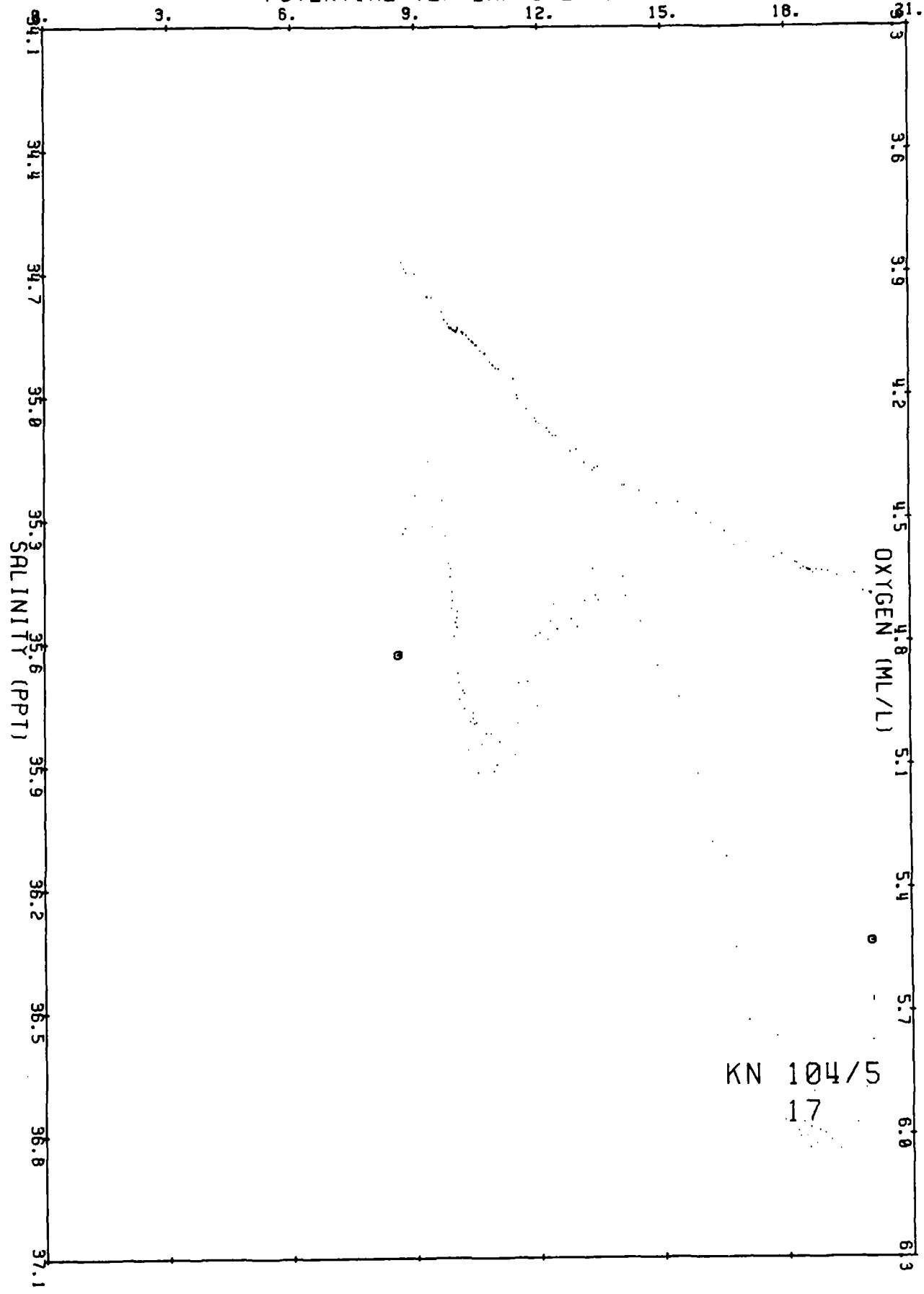

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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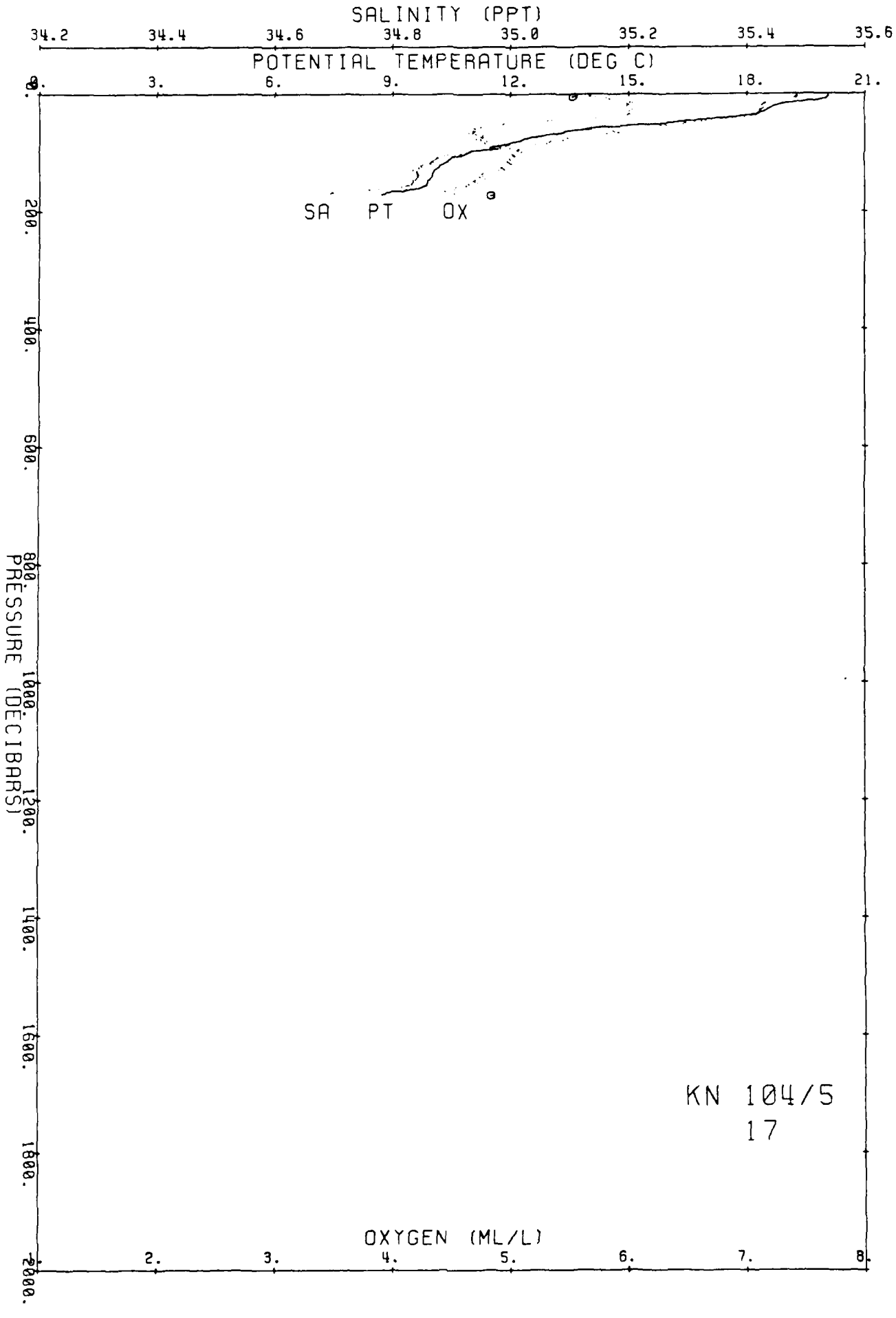
Ship KN Cruise 1045 Station 17 Cast 1 DT
Start 36 .64 S 19 59.05 E at 1428 83/11/19
End 36 .90 S 19 59.08 E at 1500

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	20.067	20.067	35.486	5.7	110.2	25.116	29.384	33.558	37.642	41.637	283.7	0.00	0.00	0.0
10	19.865	19.863	35.480	5.9	114.1	25.165	29.436	33.614	37.700	41.699	279.4	.03	3.93	10.0
20	18.747	18.743	35.426	6.0	113.6	25.413	29.702	33.897	38.001	42.016	256.2	.05	8.83	19.9
30	18.446	18.441	35.422	6.0	113.2	25.487	29.781	33.980	38.088	42.108	249.6	.08	4.80	29.9
40	17.717	17.710	35.397	5.8	107.1	25.649	29.955	34.166	38.286	42.316	234.6	.10	7.14	39.9
50	15.857	15.850	35.289	5.1	91.8	26.005	30.344	34.587	38.738	42.797	200.9	.13	10.60	49.8
60	14.065	14.057	35.219	4.6	80.2	26.345	30.717	34.993	39.174	43.264	168.8	.14	10.35	59.8
70	12.943	12.933	35.130	4.8	80.4	26.508	30.902	35.199	39.401	43.511	153.5	.16	7.17	69.8
80	12.228	12.217	35.079	4.8	79.6	26.609	31.018	35.329	39.544	43.667	144.1	.18	5.67	79.7
90	11.513	11.502	35.006	4.9	80.2	26.688	31.112	35.437	39.667	43.803	136.7	.19	5.02	89.7
100	10.910	10.898	34.924	5.1	82.6	26.735	31.172	35.510	39.752	43.900	132.4	.20	3.89	99.6
120	10.289	10.275	34.851	5.1	80.6	26.789	31.239	35.590	39.845	44.006	127.7	.23	2.93	119.5
140	10.009	9.993	34.842	4.7	75.0	26.830	31.286	35.644	39.904	44.070	124.1	.25	2.57	139.4
160	9.679	9.661	34.793	4.5	69.9	26.848	31.312	35.676	39.944	44.117	122.8	.28	1.72	159.3
171	8.714	8.696	34.671	4.5	69.6	26.909	31.395	35.781	40.069	44.262	116.9	.29	4.29	170.3

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	20.037	20.036	35.488	5.53	5.9	0.29	1.8	0.01	0.20	25.126	29.394	33.569	37.653	41.649	4.6
12	19.374	19.372	35.456		6.2	0.24	1.8	0.01		25.275	29.554	33.739	37.833	41.839	11.6
26	18.472	18.467	35.429		6.1	0.21	1.9	0.01		25.485	29.779	33.978	38.086	42.105	26.1
41	17.017	17.010	35.375		7.4	0.46	5.6	0.59		25.801	30.119	34.342	38.473	42.514	40.6
45	16.463	16.456	35.341		6.5	0.53	4.4	0.70		25.905	30.233	34.466	38.606	42.656	44.8
51	15.614	15.606	35.308		6.1	0.64	8.1	0.61		26.075	30.418	34.665	38.820	42.883	50.2
56	14.513	14.505	35.253		9.2	0.83	10.6	0.24		26.276	30.639	34.906	39.080	43.162	55.1
61	13.928	13.919	35.223		9.4	0.92	10.2	0.15		26.377	30.752	35.030	39.213	43.306	60.0
70	12.997	12.987	35.172		10.2	0.98	15.0	0.17	0.30	26.529	30.922	35.218	39.418	43.527	69.8
80	12.077	12.067	35.085		9.3	1.08	11.7	0.10		26.643	31.055	35.368	39.587	43.712	79.5
99	10.861	10.849	34.930		9.4	1.18	19.5	0.06		26.749	31.186	35.525	39.768	43.917	98.4
120	10.193	10.179	34.859		11.5	1.31	17.1	0.03		26.812	31.264	35.617	39.873	44.036	118.6
149	9.874	9.857	34.841		12.6	1.44	19.5	0.02		26.853	31.312	35.672	39.935	44.104	148.1
160	9.652	9.634	34.821		16.3	1.51	19.5	0.02		26.874	31.339	35.704	39.971	44.145	158.3
172	8.598	8.580	34.662	4.83	10.9	1.56	20.0	0.06		26.920	31.409	35.797	40.088	44.284	170.8


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
OXYGEN (ML/L)
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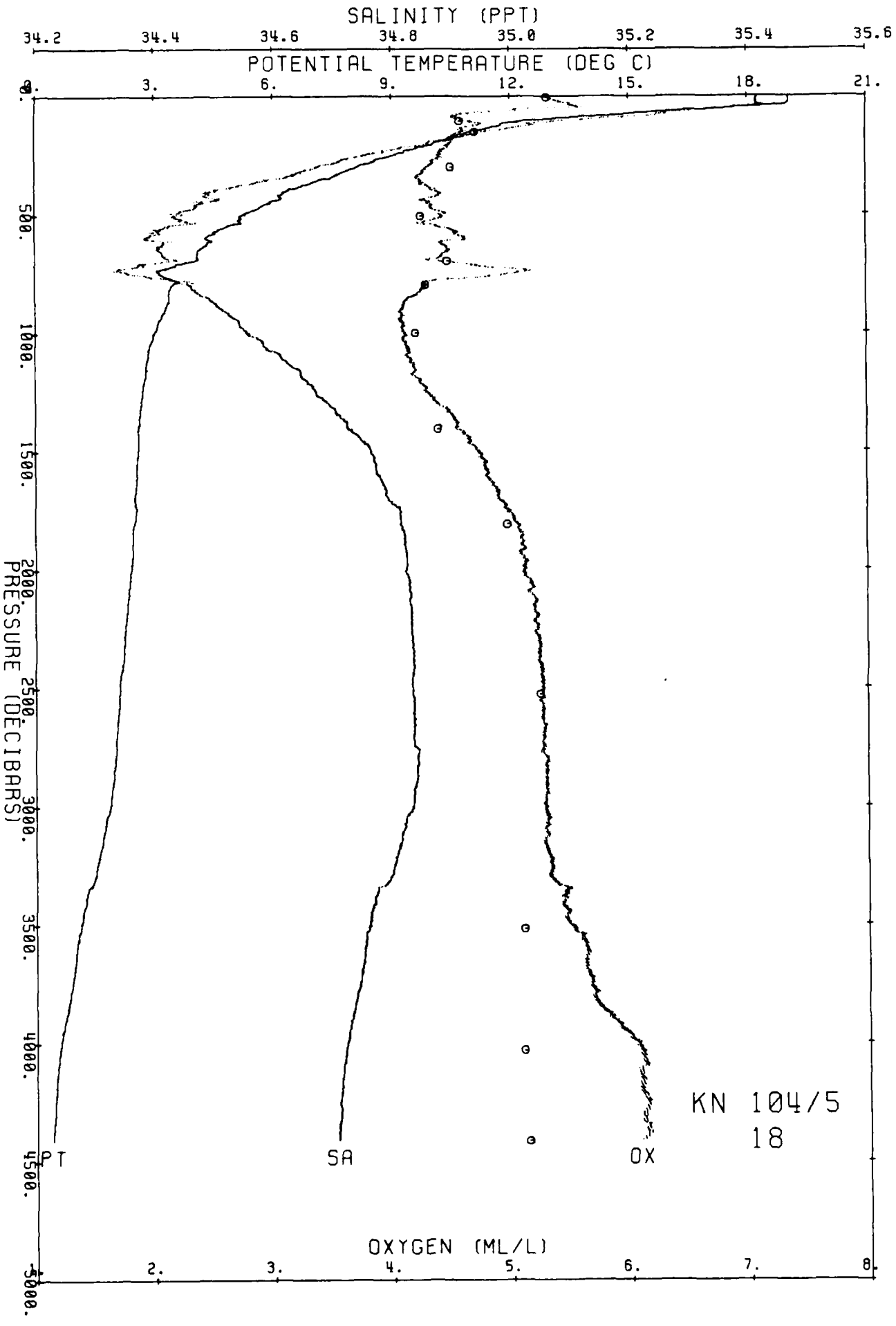

POTENTIAL TEMPERATURE (DEG C)
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9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
5.4
5.7
6.0
6.3
KN 104/5
17

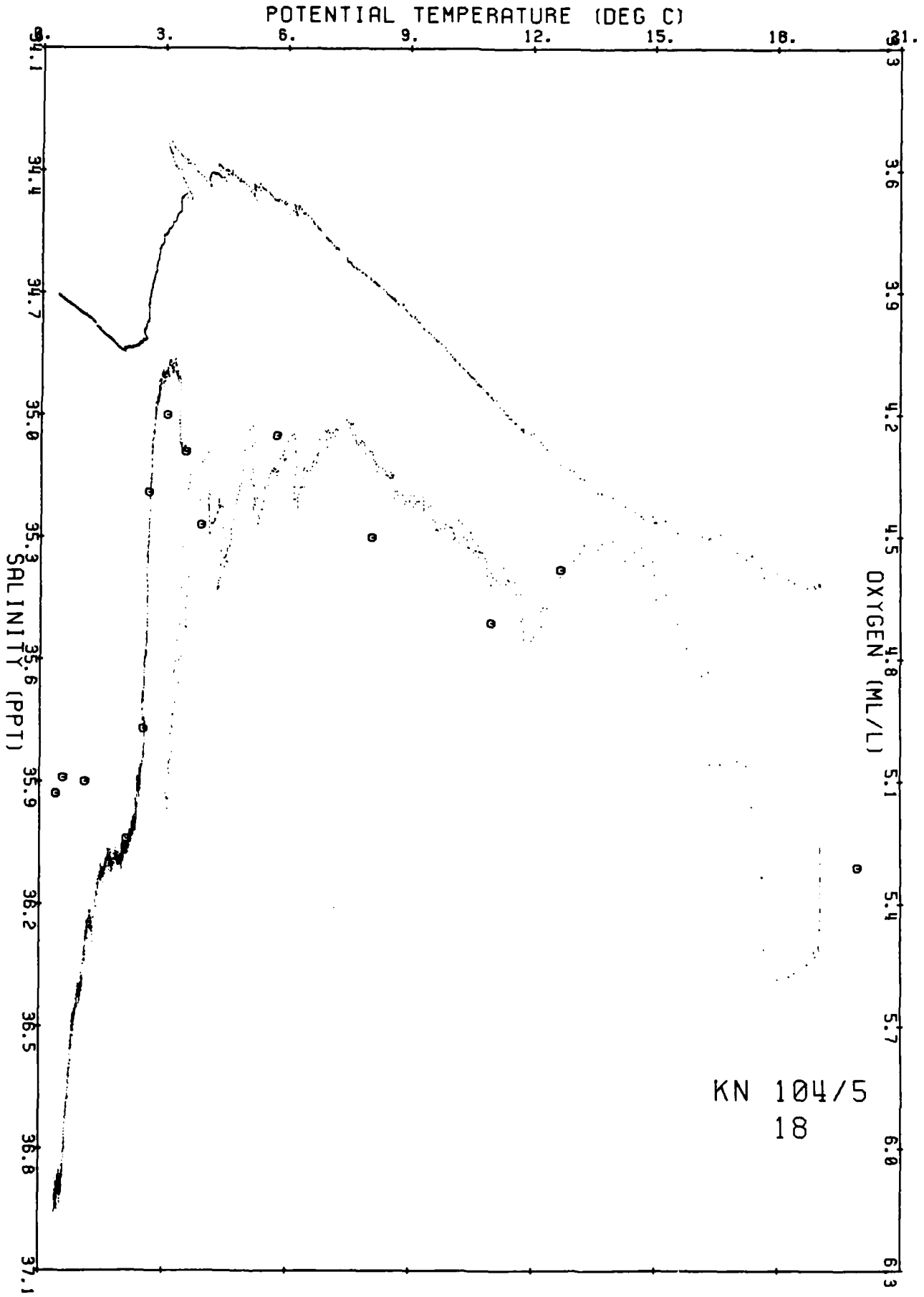

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
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21.
SA
PT
OX
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
OXYGEN (ML/L)
2.
3.
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6.
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8.
KN 104/5
17

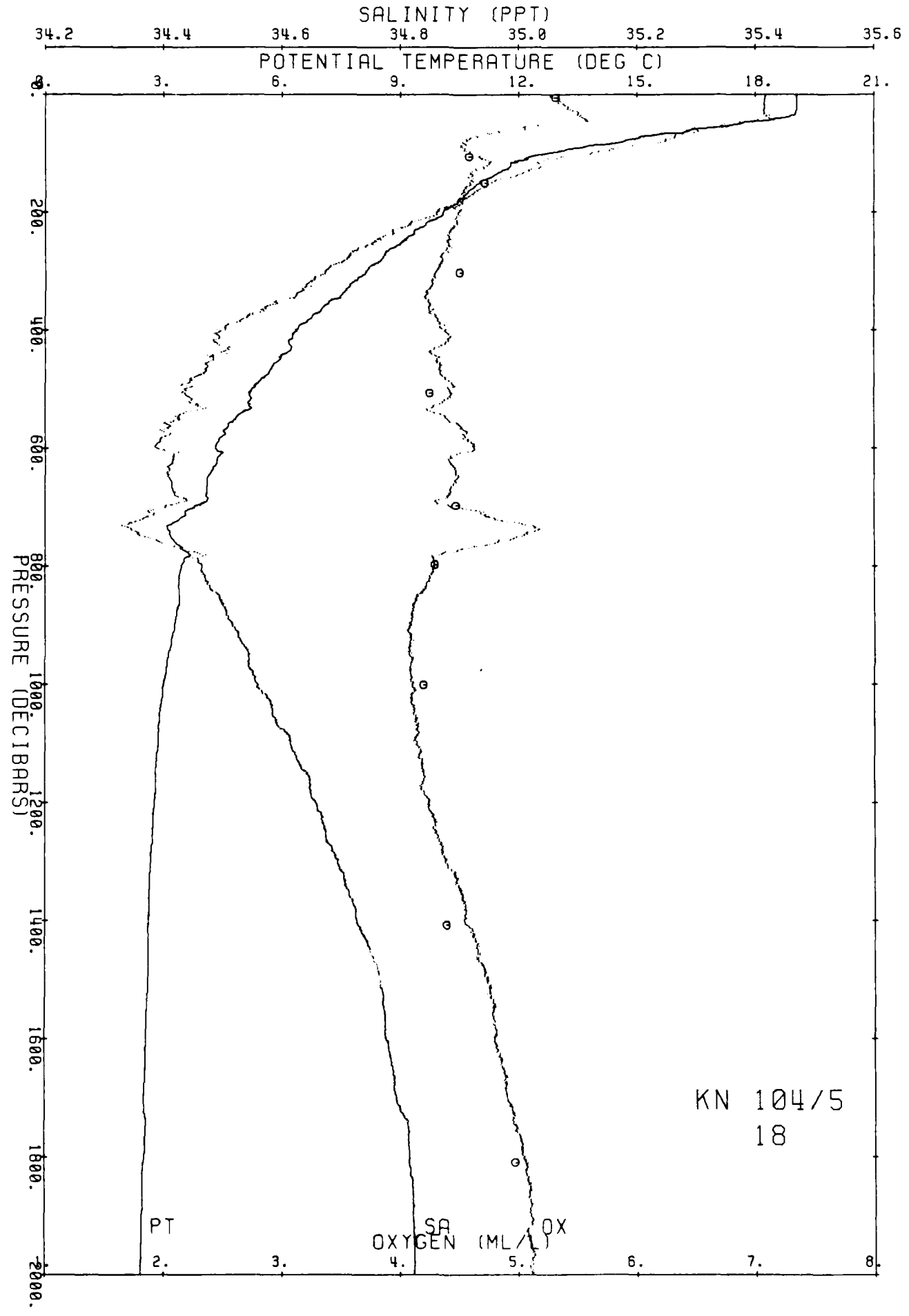
Ship KN Cruise 1045 Station 18 Cast 1 DT
Start 36 59.21 S 18 37.15 E at 134 83/11/20
End 37 .91 S 18 35.69 E at 523

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE	
0	19.051	19.051	35.418	5.3	103.3	25.329	29.613	33.803	37 902	41.912	263.5	0 00	0.00	0	0
10	19.051	19.050	35.416	5.3	101.8	25.328	29.612	33.802	37.901	41.912	264.0	03	58	10	0
20	19.053	19.050	35.416	5.4	103.3	25.328	29.612	33.802	37.901	41.911	264.4	05	13	19.9	
30	19.039	19.034	35.416	5.5	105.1	25.332	29.616	33.807	37.906	41.916	264.4	08	1.13	29	9
40	18.736	18.729	35.423	5.5	105.1	25.415	29.704	33.899	38.003	42.018	256.8	11	5.11	39.9	
50	17.628	17.620	35.373	5.3	99.0	25.652	29.960	34.173	38.294	42.326	234.6	13	8.65	49.9	
60	16.378	16.369	35.302	5.1	91.6	25.896	30.225	34.460	38.601	42.653	211 7	15	8.76	59.8	
70	15.302	15.291	35.258	4.6	82.2	26.107	30.456	34.709	38.869	42.938	191.8	17	8 17	69 8	
80	14.691	14.679	35.247	4.5	79.2	26.233	30.594	34.858	39.028	43.107	180.1	19	6.31	79.7	
90	13.622	13.610	35.190	4.5	77.5	26.416	30.797	35.081	39.270	43.368	162 9	21	7.60	89.7	
100	12 719	12.706	35.122	4.6	77.2	26.547	30.945	35.247	39.453	43.567	150.6	22	6.44	99.7	
120	11.819	11.804	35.040	4.7	77.9	26.658	31.075	35.395	39.618	43.749	140.4	25	4.21	119 6	
140	11.329	11.311	34.987	4.6	74.5	26.709	31.137	35.466	39.699	43.839	136.0	28	2.86	139.5	
160	10.813	10.794	34.933	4.5	73.1	26.761	31.200	35.540	39.784	43.934	131.4	31	2.90	159 4	
180	10.523	10.502	34.906	4.5	71.8	26.792	31.237	35.583	39.833	43.989	128.9	33	2.23	179.3	
200	10.116	10.093	34.861	4.5	71.2	26.828	31.282	35.637	39.895	44.059	125.8	36	2.43	199.2	
220	9.674	9.649	34.816	4.5	70.4	26.868	31.332	35.697	39.964	44.137	122.2	38	2.57	219.1	
240	9.265	9.239	34.771	4.4	68.6	26.901	31.374	35.747	40.024	44.205	119.4	41	2.33	239.0	
260	8.864	8.836	34.729	4.4	67.7	26.932	31.415	35.797	40.082	44.272	116.6	43	2.31	258.8	
280	8.550	8.521	34.709	4.4	66.6	26.966	31.456	35.845	40.137	44.334	113.6	45	2.37	278.7	
300	8 157	8.126	34.672	4.3	65.3	26.998	31.496	35.895	40.195	44.400	110.8	48	2.31	298.6	
320	7.804	7.772	34.644	4.3	64.2	27.028	31.536	35.942	40.250	44.463	108.0	50	2.28	318.5	
340	7 554	7.521	34.624	4.2	63.0	27.049	31.562	35.975	40.289	44.506	106.2	52	1.89	338.4	
360	7.078	7.044	34.572	4.2	62.7	27.076	31.600	36.024	40.349	44.577	103.7	54	2 19	358.3	
380	6.765	6.730	34.536	4.3	63.3	27.090	31.623	36.054	40.386	44.622	102.3	56	1.66	378.1	
400	6.412	6.377	34.505	4.4	63.7	27.113	31.654	36.094	40.434	44.678	100.2	58	2.02	398.0	
450	5.983	5.944	34.483	4.3	62.1	27.151	31.703	36.153	40.504	44.757	96.9	63	1.64	447 7	
500	5.277	5.237	34.436	4.4	62.4	27.201	31.770	36.238	40.605	44.875	92.1	68	1.90	497.3	
550	4.862	4.819	34 425	4.4	61.6	27.240	31.821	36.298	40.676	44.955	88.4	72	1.68	547 0	
600	4.362	4.317	34.390	4.6	64.1	27.268	31.861	36.352	40.742	45.032	85.7	77	1.48	596.6	
650	4.166	4.118	34.410	4.5	61.8	27.305	31.903	36.399	40.793	45.089	82.4	81	1.58	646.2	
700	3.828	3.778	34.403	4.5	61.5	27.334	31.942	36.446	40.849	45.152	79.5	85	1.49	695.8	
750	3.238	3.188	34.369	5.0	67.1	27.364	31.988	36.507	40.925	45.244	76.0	89	1.61	745 4	
800	3.508	3.452	34.464	4.3	58.0	27.415	32.030	36.543	40.953	45.264	72.2	93	1.67	795.0	
900	3.350	3.287	34.517	4.1	55.3	27.473	32.092	36.609	41.023	45.337	67.3	1.00	1.38	894.1	
1000	3.076	3.008	34.559	4.1	55.1	27.532	32.159	36.682	41.103	45.424	61.8	1.06	1.44	993.2	
1100	2.943	2.868	34.615	4.1	55.5	27.590	32.220	36.746	41.170	45.494	56.9	1.12	1.38	1092.2	
1200	2.848	2.766	34.657	4.2	56.6	27.633	32.265	36.794	41.220	45.546	53.3	1.17	1.19	1191.1	
1300	2.765	2.675	34.695	4.4	58.4	27.671	32.306	36.836	41.265	45.593	50.2	1.23	1.13	1290.0	
1400	2.714	2.617	34.727	4.5	60.4	27.702	32.338	36.870	41.299	45.629	47.8	1.28	1.01	1388.9	
1500	2.711	2.606	34.766	4.7	63.1	27.734	32.370	36.902	41.331	45.661	45.5	1.32	1.00	1487.7	
1600	2.681	2.568	34.777	4.8	63.8	27.746	32.383	36.916	41.346	45.676	45.0	1.37	.65	1586.5	
1700	2.622	2.501	34.793	4.9	65.2	27.764	32.403	36.937	41.370	45.701	43.6	1.41	.81	1685.2	
1800	2.642	2.513	34.816	5.1	67.2	27.782	32.420	36.954	41.386	45.717	42.8	1.45	.72	1783.8	
1900	2.594	2.457	34.822	5.1	67.8	27.792	32.431	36.966	41.400	45.732	42.3	1.50	.62	1882.5	
2000	2.556	2.410	34.824	5.1	67.7	27.797	32.438	36.975	41.409	45.743	42.2	1.54	.50	1981.0	
2100	2.512	2.359	34.831	5.2	68.4	27.807	32.449	36.987	41.423	45.758	41.7	1.58	.63	2079.6	
2200	2.458	2.296	34.832	5.2	69.0	27.813	32.457	36.997	41.434	45.770	41.5	1.62	.55	2178.0	
2300	2.406	2.236	34.833	5.2	69.2	27.819	32.464	37.006	41.444	45.782	41.2	1.66	.54	2276.5	
2400	2.370	2.191	34.835	5.3	69.4	27.824	32.471	37.013	41.453	45.792	41.1	1.71	.50	2374.9	
2500	2.304	2.118	34.833	5.3	69.6	27.829	32.477	37.022	41.464	45.805	40.9	1.75	.54	2473.2	
2600	2.277	2.081	34.836	5.3	69.2	27.834	32.484	37.029	41.472	45.814	40.8	1.79	.49	2571.5	
2700	2.240	2.035	34.836	5.3	69.2	27.838	32.489	37.035	41.479	45.822	40.7	1.83	.47	2669.8	
2800	2.220	2.006	34.842	5.3	69.8	27.845	32.497	37.044	41.489	45.832	40.5	1.87	.53	2768.0	
2900	2.161	1.938	34.840	5.3	69.6	27.849	32.502	37.052	41.498	45.843	40.2	1.91	.53	2866.2	
3000	2.090	1.860	34.835	5.3	69.2	27.851	32.507	37.058	41.507	45.854	40.0	1.95	.51	2964.3	
3200	1.843	1.599	34.809	5.3	69.2	27.850	32.513	37.072	41.528	45.882	39.1	2.03	.58	3160.4	
3400	1.499	1.243	34.770	5.4	70.2	27.844	32.518	37.087	41.553	45.916	37.5	2.10	.65	3356.3	
3600	1.267	.996	34.750	5.6	72.1	27.845	32.526	37.102	41.574	45.945	36.0	2.18	.62	3552.1	
3800	1.132	.844	34.738	5.7	72.5	27.845	32.531	37.111	41.588	45.962	35.3	2.25	.50	3747.7	
4000	.897	.595	34.721	6.0	76.8	27.847	32.540	37.128	41.611	45.993	33.2	2.32	.68	3943.1	
4200	.799	.479	34.711	6.1	77.2	27.846	32.543	37.134	41.621	46.005	32.7	2.38	.44	4138.3	
4400	.740	.400	34.707	6.1	77.2	27.848	32.547	37.140	41.629	46.015	32.3	2.45	.41	4333.3	
4410	.741	.400	34.707	6.1	76.9	27.848	32.547	37.140	41.629	46.015	32.3	2.45	.08	4343.1	

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
6	19.950	19.949	35.505	5.31	5.4	0.24	1.8		0.20	25.162	29.431	33.607	37.693	41.690	5.5
14	19.932	19.929	35.504		5.4	0.17	1.1	0.01		25.166	29.436	33.612	37.698	41.695	13.9
30	19.658	19.653	35.501		3.9	0.18	0.9	0.01		25.237	29.511	33.691	37.781	41.782	29.3
55	16.347	16.338	35.308		7.2	0.56	7.3	0.36		25.907	30.238	34.472	38.614	42.666	54.8
105	12.723	12.709	35.127	4.58	9.7	0.96	12.7	0.04		26.550	30.949	35.250	39.456	43.570	104.4
150	11.022	11.004	34.958	4.71	12.6	1.15	14.7	0.03		26.743	31.177	35.512	39.752	43.898	148.6
201	9.843	9.820	34.823		14.2	1.37	18.6	0.02		26.845	31.305	35.666	39.930	44.100	199.2
302	8.120	8.089	34.663	4.50	19.1	1.72	22.8	0.01		26.996	31.496	35.895	40.197	44.402	299.2
407	6.758	6.720	34.561		23.4	2.00	25.7			27.111	31.644	36.075	40.407	44.643	403.6
507	5.805	5.761	34.507	4.25	26.1	2.21	25.6			27.193	31.749	36.204	40.558	44.815	502.1
597	5.029	4.981	34.386		27.7	2.52	28.6			27.191	31.767	36.242	40.615	44.891	591.7
697	3.963	3.912	34.424	4.47	35.1	2.47	34.3			27.337	31.941	36.442	40.841	45.141	690.5
797	3.597	3.540	34.455	4.29	46.9	2.54	29.8			27.399	32.012	36.522	40.931	45.240	789.8
1001	3.155	3.086	34.548	4.20	48.6	2.75	34.5			27.517	32.141	36.662	41.081	45.401	990.9
1199	2.892	2.809	34.651		47 0		34.1			27.624	32.255	36.[illegible]3	41.208	45.533	1186.9
1407	2.733	2.635	34.725	4.39	46.5	2.50	25.2			27.698	32.334	36.8[illegible]	41.295	45.624	1392.0
1604	2.659	2.546	34.777		36.6	2.30	26.1		0.37	27.748	32.385	36.919	41.350	45.681	1586.4
1810	2.642	2.512	34.817	4.97	45.0	2.00	26.2			27.783	32.421	36.955	41.387	45.718	1788.4
2014	2.548	2.401	34.832		39.5	1.99	28.5			27.804	32.445	36.982	41.416	45.750	1990.0
2527	2.302	2.113	34.840	5.24	37.3	1.94	25.8			27.835	32.484	37.028	41.470	45.811	2493.7
3030	2.091	1.857	34.840		52.9	1.94	28.9			27.855	32.511	37.062	41.511	45.858	2986.6
3519	1.375	1.109	34.763	5.10	67.8	2.32	28.7		0.76	27.848	32.526	37.098	41.567	45.935	3464.8
4032	0.879	0.574	34.722	5.09	66.8	2.41	27.4			27.849	32.543	37.131	41.615	45.997	3965.5
4414	0.742	0.400	34.710	5.13	60.3	2.47	30.5			27.850	32.549	37.142	41.631	46.018	4337.3


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
PT
SA
OX
KN 104/5
18
OXYGEN (ML/L)
1.
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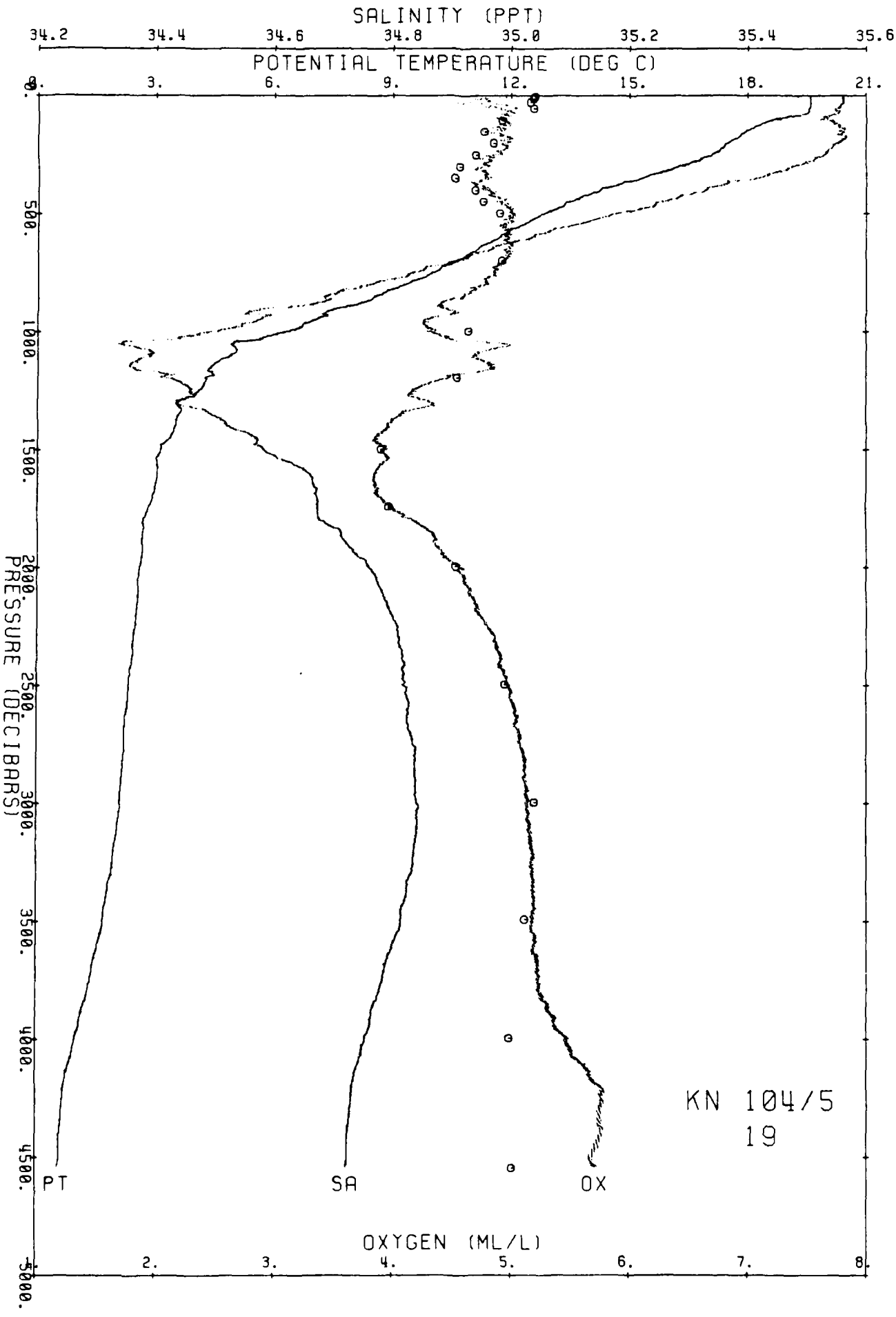

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
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3.9
4.2
4.5
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5.7
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KN 104/5
18

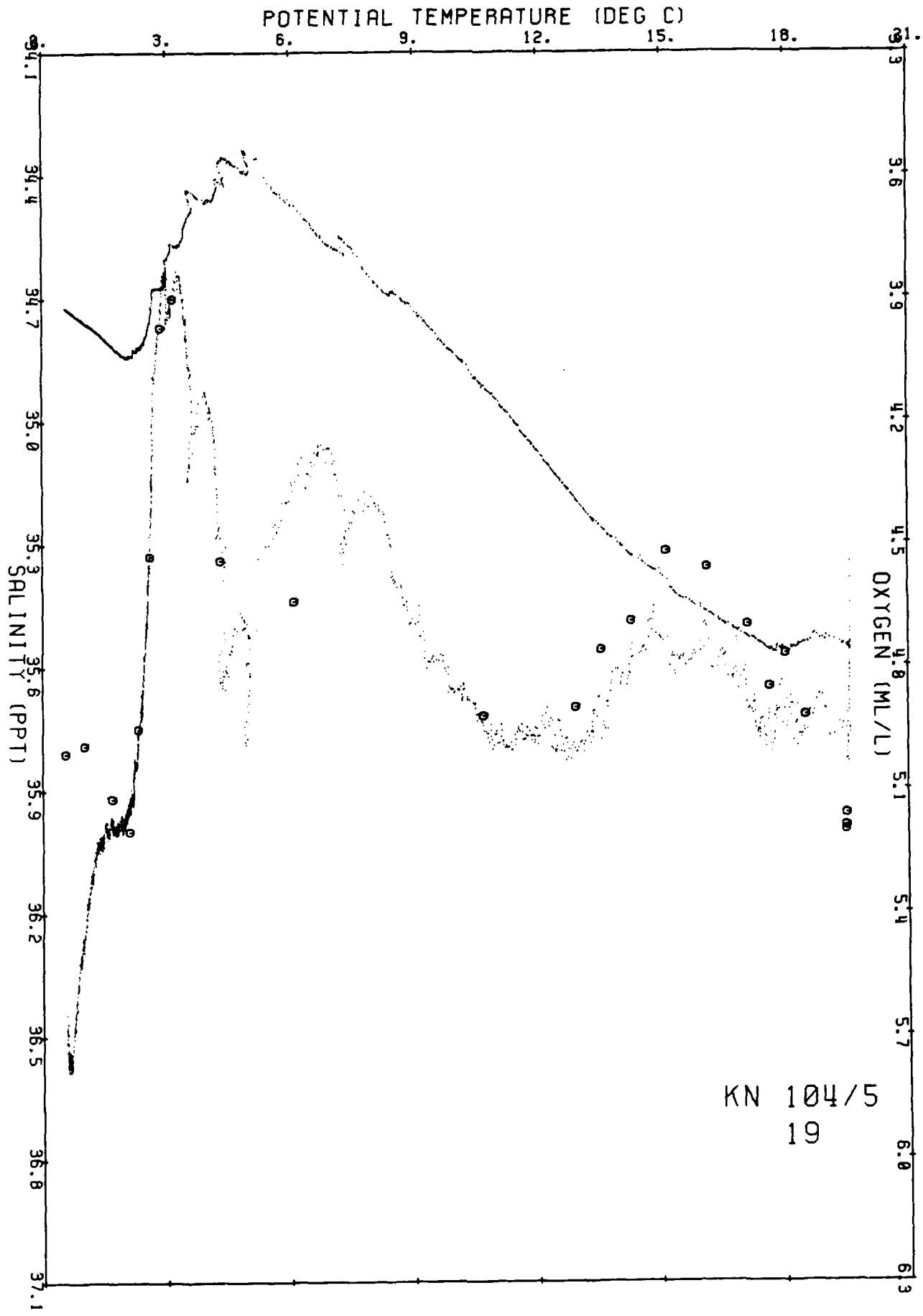

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
KN 104/5
18
PT
SA
OX
OXYGEN (ML/L)
2.
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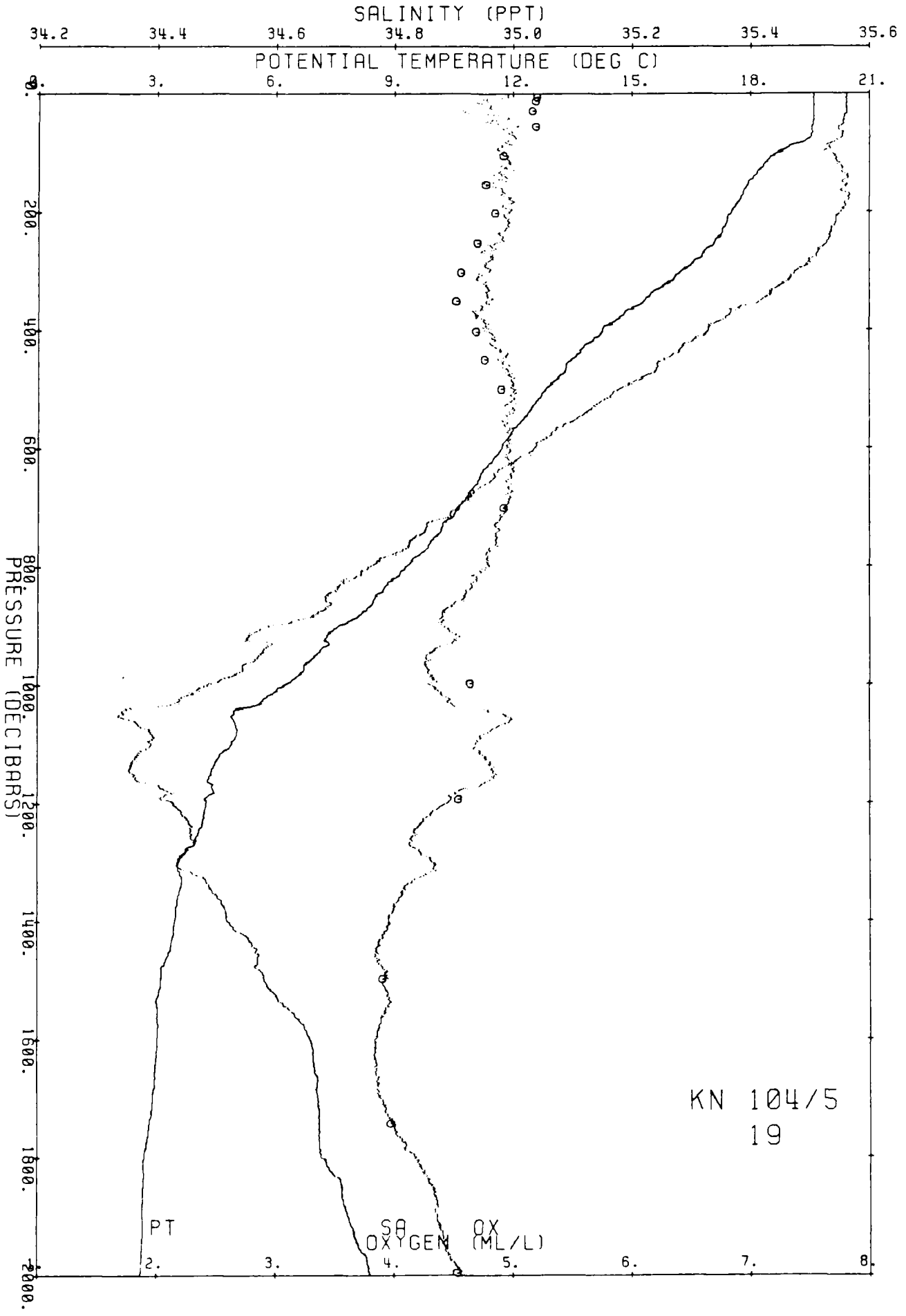
Ship KN Cruise 1045 Station 19 Cast 1 DT
Start 38 .62 S 17 .16 E at 1657 83/11/20
End 37 59.10 S 17 .27 E at 2021

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	19.593	19.593	35.562	5.0	95.6	25.299	29.574	33.755	37.845	41.846	266.3	0.00	0.00	0.0
10	19.594	19.592	35.562	4.7	91.5	25.299	29.574	33.755	37.845	41.847	266.7	.03	.26	10.0
20	19.600	19.596	35.561	4.8	92.8	25.297	29.572	33.753	37.843	41.845	267.3	.05	.76	19.9
30	19.604	19.599	35.561	4.5	87.7	25.296	29.571	33.752	37.842	41.844	267.8	.08	.47	29.9
40	19.606	19.599	35.558	5.0	95.5	25.294	29.569	33.750	37.840	41.842	268.4	.11	.83	39.9
50	19.599	19.590	35.557	4.9	93.8	25.296	29.571	33.752	37.842	41.844	268.6	.13	.70	49.9
60	19.556	19.545	35.548	4.9	94.7	25.301	29.576	33.758	37.849	41.851	268.5	.16	1.23	59.8
70	19.549	19.537	35.555	5.0	96.4	25.308	29.584	33.766	37.857	41.859	268.2	.19	1.54	69.8
80	19.420	19.406	35.549	5.0	95.3	25.337	29.615	33.799	37.892	41.897	265.8	.21	3.05	79.8
90	19.000	18.984	35.538	4.9	93.5	25.438	29.722	33.913	38.012	42.023	256.6	.24	5.62	89.7
100	18.752	18.734	35.522	4.9	93.2	25.489	29.778	33.972	38.075	42.090	252.1	.27	4.03	99.7
120	18.349	18.328	35.547	5.0	94.1	25.611	29.906	34.106	38.215	42.236	241.2	.32	4.38	119.6
140	18.104	18.080	35.563	4.9	92.6	25.685	29.984	34.188	38.301	42.325	234.9	.36	3.42	139.6
160	17.905	17.878	35.557	4.9	91.6	25.730	30.032	34.240	38.356	42.383	231.3	.41	2.68	159.5
180	17.771	17.740	35.566	5.0	93.0	25.771	30.075	34.285	38.403	42.432	228.1	.46	2.54	179.4
200	17.559	17.525	35.552	5.0	92.2	25.813	30.121	34.334	38.456	42.488	224.8	.50	2.58	199.3
220	17.428	17.391	35.543	5.0	91.7	25.838	30.149	34.365	38.488	42.523	223.1	.55	2.02	219.2
240	17.262	17.222	35.532	4.9	90.5	25.870	30.184	34.403	38.529	42.566	220.6	.59	2.27	239.1
260	17.000	16.957	35.522	4.8	88.6	25.926	30.244	34.467	38.598	42.639	216.0	.63	2.99	259.1
280	16.695	16.649	35.499	4.8	88.1	25.982	30.305	34.533	38.669	42.715	211.3	.68	2.98	279.0
300	16.305	16.256	35.477	4.8	87.0	26.056	30.387	34.622	38.764	42.817	204.7	.72	3.47	298.9
320	16.014	15.963	35.453	4.7	85.4	26.105	30.441	34.681	38.829	42.886	200.6	.76	2.82	318.8
340	15.526	15.473	35.434	4.8	85.3	26.202	30.547	34.796	38.951	43.016	191.8	.80	3.95	338.7
360	15.107	15.052	35.383	4.7	83.7	26.257	30.609	34.866	39.029	43.101	187.0	.84	3.00	358.6
380	14.758	14.701	35.359	4.7	83.0	26.315	30.674	34.937	39.106	43.185	181.9	.87	3.09	378.4
400	14.324	14.265	35.330	4.8	82.8	26.387	30.754	35.025	39.202	43.287	175.5	.91	3.42	398.3
450	13.550	13.486	35.255	4.9	83.4	26.492	30.875	35.160	39.352	43.451	166.4	.99	2.65	448.0
500	12.893	12.824	35.178	5.0	84.7	26.567	30.963	35.261	39.465	43.577	160.2	1.08	2.25	497.7
550	12.340	12.266	35.107	4.9	82.2	26.622	31.029	35.339	39.553	43.675	155.8	1.15	1.95	547.4
600	11.796	11.718	35.036	5.0	81.9	26.671	31.090	35.411	39.636	43.769	151.8	1.23	1.88	597.1
650	11.253	11.170	34.969	5.0	81.0	26.721	31.151	35.484	39.720	43.863	147.8	1.31	1.89	646.7
700	10.712	10.625	34.906	4.9	79.0	26.770	31.212	35.556	39.803	43.957	143.6	1.38	1.89	696.4
750	10.094	10.004	34.834	4.9	77.0	26.822	31.278	35.635	39.895	44.061	138.9	1.45	1.97	746.0
800	9.382	9.291	34.756	4.8	74.5	26.880	31.352	35.725	40.000	44.181	133.4	1.52	2.10	795.6
900	7.670	7.578	34.589	4.4	66.3	27.014	31.525	35.937	40.250	44.467	119.6	1.64	2.28	894.8
1000	6.329	6.236	34.486	4.3	62.5	27.117	31.661	36.104	40.448	44.694	108.6	1.76	2.04	993.9
1100	4.998	4.906	34.392	4.7	65.8	27.204	31.783	36.259	40.634	44.911	98.4	1.86	1.96	1092.9
1200	4.365	4.270	34.429	4.4	61.5	27.304	31.898	36.390	40.780	45.072	88.4	1.95	1.92	1191.9
1300	3.656	3.559	34.435	4.3	58.8	27.381	31.994	36.504	40.912	45.221	79.9	2.04	1.77	1290.9
1400	3.588	3.483	34.521	4.0	53.8	27.457	32.072	36.582	40.992	45.302	73.5	2.12	1.56	1389.8
1500	3.229	3.119	34.581	3.9	52.9	27.540	32.163	36.683	41.101	45.419	65.4	2.19	1.73	1488.6
1600	3.154	3.036	34.659	3.8	51.7	27.610	32.235	36.756	41.176	45.495	59.4	2.25	1.50	1587.4
1700	3.037	2.911	34.672	3.9	52.2	27.633	32.260	36.784	41.207	45.530	57.6	2.31	.92	1686.1
1800	2.829	2.697	34.677	4.2	55.8	27.655	32.289	36.819	41.247	45.575	55.3	2.36	1.01	1784.8
1900	2.797	2.657	34.722	4.4	58.2	27.694	32.329	36.860	41.289	45.617	52.2	2.42	1.13	1883.4
2000	2.747	2.599	34.760	4.6	61.0	27.730	32.366	36.898	41.328	45.657	49.4	2.47	1.09	1982.0
2100	2.720	2.563	34.782	4.6	61.8	27.750	32.387	36.920	41.351	45.681	48.0	2.52	.83	2080.5
2200	2.672	2.507	34.798	4.7	63.0	27.768	32.406	36.941	41.373	45.704	46.8	2.56	.80	2179.0
2300	2.618	2.445	34.811	4.9	64.7	27.784	32.424	36.959	41.393	45.726	45.7	2.61	.77	2277.4
2400	2.588	2.405	34.819	4.9	65.1	27.794	32.435	36.971	41.406	45.740	45.2	2.65	.61	2375.8
2500	2.505	2.315	34.820	5.0	65.9	27.802	32.445	36.985	41.421	45.758	44.6	2.70	.67	2474.2
2600	2.484	2.284	34.827	5.0	66.7	27.810	32.454	36.994	41.432	45.769	44.3	2.74	.56	2572.5
2700	2.427	2.219	34.831	5.1	67.1	27.819	32.465	37.006	41.445	45.784	43.7	2.79	.64	2670.8
2800	2.424	2.206	34.839	5.1	67.6	27.826	32.473	37.015	41.454	45.793	43.6	2.83	.51	2769.0
2900	2.383	2.156	34.839	5.1	67.6	27.830	32.478	37.021	41.462	45.802	43.5	2.88	.50	2867.1
3000	2.345	2.108	34.841	5.1	67.7	27.836	32.485	37.029	41.471	45.812	43.3	2.92	.53	2965.3
3200	2.212	1.959	34.838	5.2	68.4	27.845	32.499	37.047	41.493	45.838	42.4	3.00	.58	3161.4
3400	2.040	1.770	34.822	5.2	68.0	27.847	32.506	37.060	41.511	45.861	41.8	3.09	.54	3357.3
3600	1.834	1.549	34.801	5.2	67.8	27.847	32.512	37.072	41.529	45.885	40.9	3.17	.58	3553.1
3800	1.609	1.307	34.778	5.2	67.8	27.846	32.518	37.085	41.549	45.911	39.7	3.25	.61	3748.7
4000	1.307	.993	34.754	5.5	70.3	27.848	32.530	37.106	41.578	45.948	37.3	3.33	.75	3944.1
4200	1.029	.701	34.733	5.8	73.6	27.850	32.540	37.125	41.605	45.983	34.7	3.40	.74	4139.3
4400	.955	.608	34.725	5.8	73.4	27.850	32.542	37.130	41.613	45.994	34.5	3.47	.41	4334.4
4543	.922	.560	34.722	5.7	72.7	27.850	32.544	37.133	41.617	45.999	34.3	3.52	.37	4473.7

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	19.484	19.483	35.553	5.20	5.1	0.26	1.2	0.06	0.20	25.320	29.597	33.780	37.871	41.875	5.3
13	19.493	19.491	35.553	5.19	5.4	0.23	1.4	0.06		25.318	29.595	33.778	37.869	41.872	12.5
29	19.497	19.492	35.553	5.16	5.5	0.20	1.3	0.06		25.318	29.595	33.777	37.869	41.872	28.9
55	19.491	19.481	35.553	5.19	6.1	0.20	0.9	0.07		25.321	29.598	33.780	37.872	41.876	55.0
105	18.527	18.509	35.558	4.92	7.0	0.29	2.9	0.03		25.574	29.866	34.064	38.170	42.187	103.9
153	18.037	18.011	35.560	4.77	7.1	0.35	3.1	0.03		25.700	30.000	34.205	38.319	42.344	152.1
201	17.678	17.644	35.563	4.85	6.1	0.36	3.1	0.03		25.792	30.098	34.310	38.429	42.460	199.7
252	17.146	17.104	35.541	4.70	7.7	0.42	4.3	0.02		25.906	30.221	34.442	38.570	42.609	249.8
303	16.163	16.114	35.474	4.56	8.3	0.51	6.0	0.02		26.087	30.420	34.657	38.802	42.857	300.2
351	15.179	15.125	35.403	4.52	9.5	0.61	7.4			26.256	30.607	34.862	39.024	43.095	348.3
402	14.327	14.267	35.339	4.69	8.6	0.65	8.2			26.393	30.760	35.031	39.208	43.294	398.2
449	13.593	13.529	35.271	4.76	8.8	0.71	9.1			26.496	30.877	35.162	39.352	43.451	445.3
499	12.987	12.918	35.204	4.90	9.0	0.83	10.0			26.568	30.962	35.259	39.461	43.570	494.8
700	10.763	10.676	34.915	4.92	10.8	1.07	14.9			26.768	31.209	35.552	39.798	43.951	693.7
997	6.183	6.091	34.474	4.64	23.7	1.90	27.6			27.126	31.674	36.121	40.468	44.717	987.0
1194	4.414	4.318	34.414	4.54	33.3	2.26	28.0			27.287	31.880	36.370	40.760	45.051	1181.0
1497	3.283	3.172	34.580	3.90	59.9	2.51	34.5			27.534	32.156	36.675	41.091	45.408	1480.1
1743	2.990	2.861	34.673	3.97	59.2	2.43	29.4			27.637	32.267	36.792	41.216	45.540	1722.1
1996	2.767	2.619	34.758	4.53	53.5	2.17	29.6			27.726	32.362	36.894	41.323	45.652	1971.0
2497	2.504	2.314	34.822	4.95	41.3	1.95	20.2			27.804	32.447	36.986	41.423	45.759	2463.5
2997	2.339	2.103	34.844	5.20	48.9	1.86	23.2			27.839	32.488	37.032	41.474	45.816	2953.6
3493	1.952	1.674	34.816	5.12	64.3	1.99	26.2			27.850	32.511	37.068	41.521	45.874	3438.2
3997	1.330	1.015	34.761	4.99	69.7	2.21	25.0		0.20	27.853	32.533	37.109	41.580	45.950	3930.2
4548	0.917	0.554	34.723	5.01	69.4	2.34	27.2		0.80	27.851	32.546	37.134	41.619	46.001	4466.0


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
PT
SA
OX
KN 104/5
19
OXYGEN (ML/L)
2.
3.
4.
5.
6.
7.
8.


POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
5.4
5.7
6.0
6.3
KN 104/5
19

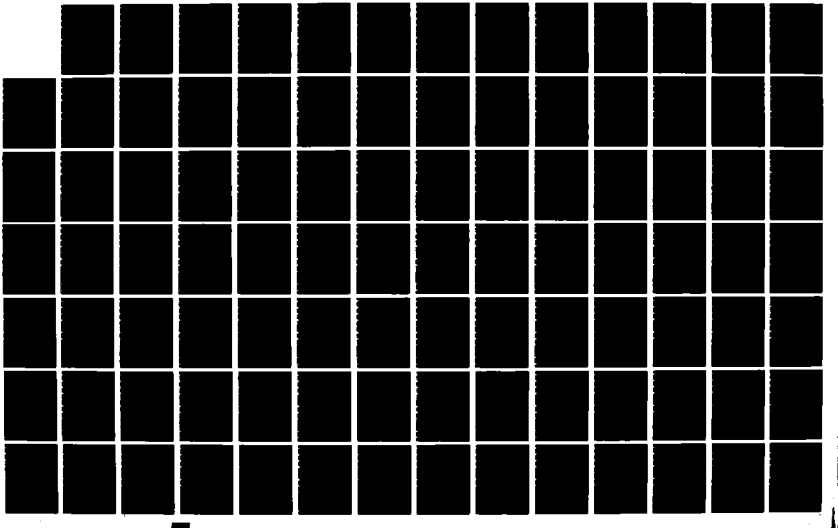

SALINITY (PPT)
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35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
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9.
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18.
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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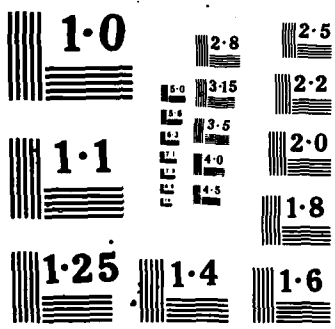
Ship KN Cruise 1045 Station 20 Cast 1 DT
Start 38 5.72 S 15 59.44 E at 218 83/11/21
End 38 6.63 S 16 2.18 E at 353

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	17.980	17.980	35.538	5.5	103.1	25.690	29.991	34.197	38.312	42.337	229.1	0.00	0.00	0.0
10	17.514	17.513	35.524	5.4	100.7	25.794	30.103	34.317	38.439	42.471	219.6	.02	5.71	10.0
20	17.183	17.180	35.513	5.7	104.1	25.866	30.181	34.400	38.527	42.565	213.1	.04	4.76	19.9
30	16.979	16.975	35.484	5.8	105.9	25.893	30.211	34.434	38.565	42.606	210.9	.07	2.90	29.9
40	16.458	16.451	35.455	5.8	104.7	25.994	30.321	34.553	38.693	42.742	201.6	.09	5.64	39.9
50	15.982	15.975	35.457	5.9	105.6	26.106	30.442	34.682	38.829	42.886	191.3	.11	5.93	49.8
60	15.959	15.950	35.456	5.8	104.2	26.111	30.447	34.687	38.835	42.892	191.2	.12	1.24	59.8
70	15.929	15.918	35.456	5.7	103.1	26.118	30.455	34.696	38.844	42.902	190.8	.14	1.52	69.7
80	15.910	15.897	35.457	5.7	102.9	26.124	30.461	34.702	38.850	42.908	190.7	.16	1.31	79.7
90	15.705	15.691	35.416	5.7	102.6	26.139	30.480	34.725	38.877	42.939	189.5	.18	2.22	89.7
100	15.245	15.230	35.386	5.6	99.9	26.220	30.569	34.822	38.982	43.052	182.1	.20	5.05	99.6
120	14.856	14.838	35.335	5.6	98.3	26.267	30.623	34.884	39.051	43.127	178.2	.24	2.74	119.5
140	14.616	14.596	35.299	5.6	97.6	26.292	30.653	34.918	39.090	43.170	176.4	.27	2.01	139.5
160	14.396	14.372	35.275	5.6	97.0	26.321	30.687	34.956	39.132	43.216	174.2	.31	2.18	159.4
180	14.179	14.153	35.243	5.6	97.2	26.343	30.713	34.987	39.166	43.255	172.7	.34	1.89	179.3
200	14.014	13.985	35.213	5.7	97.8	26.356	30.729	35.006	39.188	43.280	172.1	.38	1.42	199.2
220	13.768	13.737	35.154	5.6	96.8	26.362	30.741	35.022	39.210	43.305	172.0	.41	1.08	219.1
240	13.529	13.496	35.131	5.5	94.3	26.394	30.777	35.064	39.256	43.356	169.4	.44	2.28	239.0
260	13.127	13.091	35.055	5.6	94.8	26.418	30.809	35.104	39.303	43.411	167.6	.48	2.00	258.9
280	13.334	13.295	35.153	5.5	92.9	26.452	30.839	35.129	39.325	43.428	165.0	.51	2.29	278.8
300	13.086	13.044	35.130	5.3	89.1	26.485	30.877	35.172	39.372	43.480	162.3	.54	2.32	298.7
320	12.677	12.634	35.070	5.3	88.2	26.521	30.921	35.224	39.432	43.548	159.3	.58	2.44	318.6
340	12.424	12.378	35.036	5.3	88.1	26.545	30.950	35.258	39.471	43.592	157.4	.61	2.00	338.5
360	12.201	12.153	35.006	5.3	88.5	26.565	30.975	35.288	39.505	43.630	155.9	.64	1.85	358.4
380	12.012	11.962	34.997	5.3	87.3	26.595	31.009	35.325	39.546	43.674	153.5	.67	2.21	378.2
400	11.743	11.692	34.961	5.3	86.7	26.618	31.038	35.360	39.586	43.719	151.6	.70	2.00	398.1
450	11.214	11.157	34.915	5.1	82.7	26.681	31.112	35.445	39.682	43.826	146.4	.78	2.06	447.8
500	10.644	10.583	34.862	5.0	80.1	26.743	31.187	35.532	39.780	43.935	141.2	.85	2.06	497.5
550	9.759	9.696	34.748	5.0	79.1	26.807	31.270	35.634	39.902	44.074	135.4	.92	2.16	547.2
600	8.955	8.889	34.670	4.9	75.2	26.878	31.359	35.741	40.026	44.215	128.8	.98	2.25	596.8
650	8.199	8.131	34.598	4.7	71.7	26.939	31.438	35.837	40.138	44.343	123.0	1.05	2.12	646.5
700	7.406	7.337	34.534	4.7	70.5	27.005	31.523	35.940	40.259	44.481	116.5	1.11	2.22	696.1
750	6.749	6.678	34.505	4.6	67.8	27.073	31.607	36.040	40.373	44.610	109.8	1.16	2.23	745.7
800	5.975	5.904	34.430	4.8	68.6	27.115	31.668	36.119	40.471	44.725	105.2	1.22	1.88	795.3
900	4.801	4.728	34.332	5.1	71.6	27.177	31.760	36.241	40.621	44.903	98.2	1.32	1.65	894.4
1000	4.204	4.127	34.336	5.0	68.7	27.245	31.844	36.340	40.734	45.030	91.5	1.41	1.61	993.5
1100	3.895	3.812	34.391	4.7	63.9	27.321	31.928	36.431	40.833	45.136	84.5	1.50	1.62	1092.6
1200	3.450	3.363	34.427	4.4	59.6	27.394	32.012	36.527	40.940	45.253	77.3	1.58	1.64	1191.5
1300	3.257	3.164	34.489	4.3	57.8	27.462	32.085	36.605	41.022	45.340	71.1	1.66	1.52	1290.5
1400	3.177	3.075	34.563	4.0	53.2	27.529	32.154	36.675	41.095	45.414	65.4	1.72	1.47	1389.4
1497	2.937	2.830	34.590	4.0	53.5	27.573	32.205	36.732	41.157	45.482	61.1	1.78	1.31	1485.2

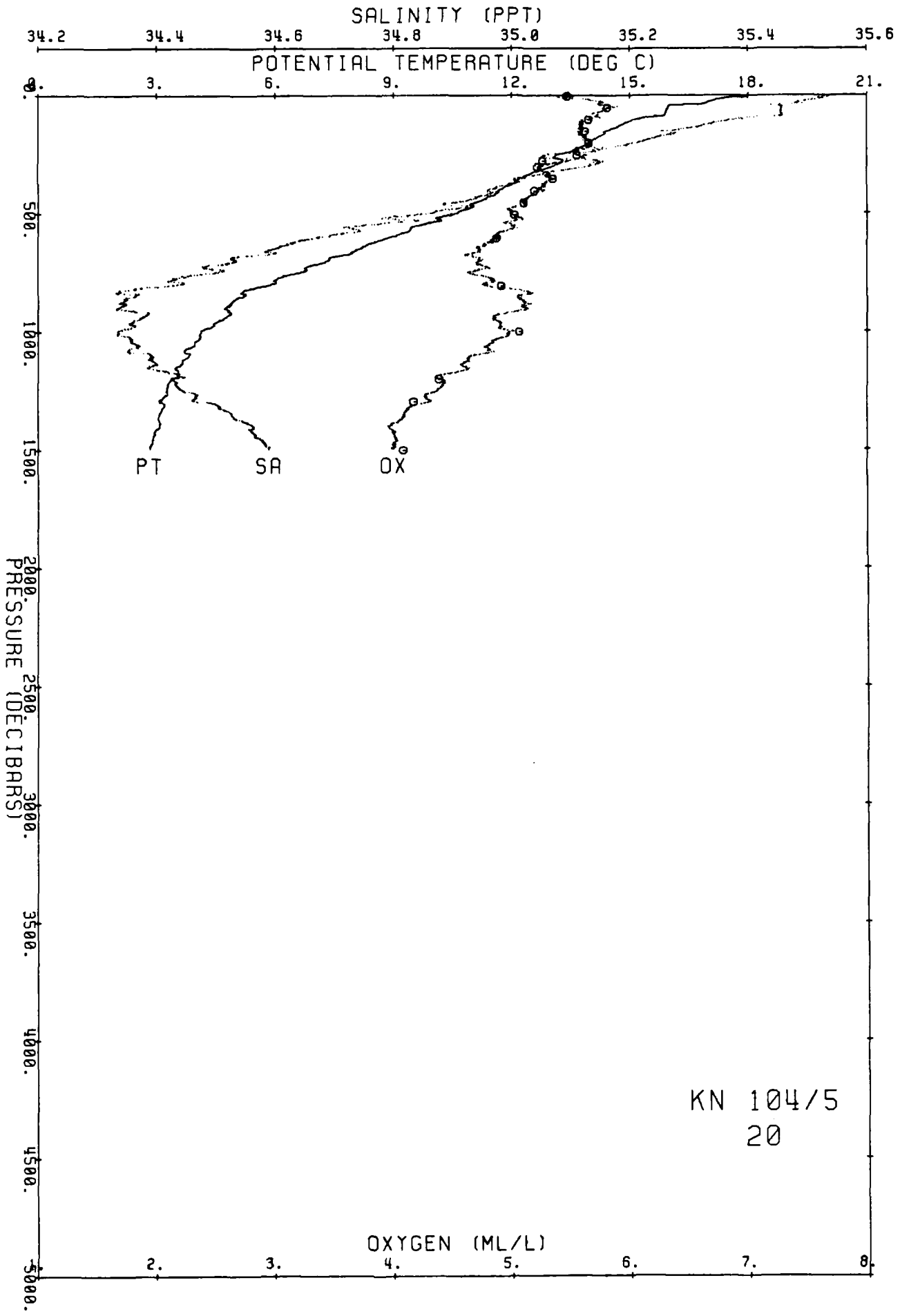
PR	TE	PT	SA	SI	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	17.922	17.921	35.543	5.47	5.2		0.8	0.01	0.20	25.709	30.010	34.218	38.333	42.359	4.2
13	17.399	17.397	35.534		5.8	0.18	0.9	0.01		25.830	30.140	34.356	38.480	42.514	12.4
28	17.255	17.250	35.527		5.8	0.17	0.8	0.01		25.860	30.173	34.391	38.517	42.554	27.4
53	16.397	16.389	35.467	5.81	4.2	0.17	0.6	0.01		26.018	30.346	34.579	38.719	42.770	52.1
102	15.432	15.416	35.424	5.65	5.8	0.18	1.9	0.39	0.75	26.207	30.553	34.803	38.959	43.025	101.2
152	14.655	14.632	35.310	5.62	5.8	0.27	2.8	0.15		26.292	30.653	34.917	39.088	43.168	150.5
203	14.011	13.982	35.218	5.65	6.6	0.29	3.7	0.02		26.360	30.734	35.010	39.193	43.284	201.1
253	13.329	13.293	35.105	5.55	6.1	0.41	5.4	0.01	0.45	26.415	30.803	35.093	39.289	43.392	251.2
278	13.369	13.330	35.173	5.26	6.3	0.52	7.9	0.01		26.461	30.847	35.136	39.330	43.433	276.0
303	13.050	13.008	35.133	5.22	6.7	0.63	7.9			26.495	30.888	35.183	39.384	43.492	300.5
354	12.164	12.117	35.004	5.35	5.9	0.69	9.8			26.570	30.981	35.295	39.513	43.638	350.4
404	11.653	11.601	34.968	5.19	7.9	0.78	12.1			26.640	31.062	35.386	39.614	43.749	400.6
455	11.074	11.017	34.912	5.10	7.9	0.89	13.6			26.704	31.139	35.474	39.714	43.860	450.5
505	10.515	10.454	34.855	5.02	9.1	1.00	13.1		1.82	26.761	31.207	35.554	39.806	43.963	500.3
605	8.899	8.833	34.665	4.87	12.0		19.0		0.50	26.883	31.366	35.749	40.034	44.225	599.1
700	7.487	7.417	34.540		14.4	1.62	21.3			26.998	31.514	35.930	40.246	44.467	693.6
805	5.876	5.805	34.420	4.91	18.8	1.76	24.2			27.119	31.675	36.129	40.483	44.739	797.6
901	4.937	4.863	34.367		23.9	2.01	26.6			27.189	31.769	36.246	40.623	44.901	891.9
1000	4.183	4.106	34.331	5.06	28.4	2.14	29.1			27.243	31.843	36.339	40.734	45.031	989.5
1109	3.757	3.674	34.372		26.7	2.30	22.3			27.320	31.930	36.437	40.843	45.149	1097.2
1202	3.432	3.345	34.429	4.38	41.4	2.49	27.7			27.397	32.016	36.531	40.945	45.259	1188.9
1297	3.250	3.156	34.483	4.17	48.3	2.56	30.4			27.458	32.081	36.601	41.019	45.337	1283.2
1404	3.183	3.081	34.569							27.534	32.158	36.679	41.098	45.418	1388.3
1502	2.922	2.815	34.591	4.08	51.7	2.53	27.8		1.52	27.576	32.207	36.735	41.161	45.486	1485.3

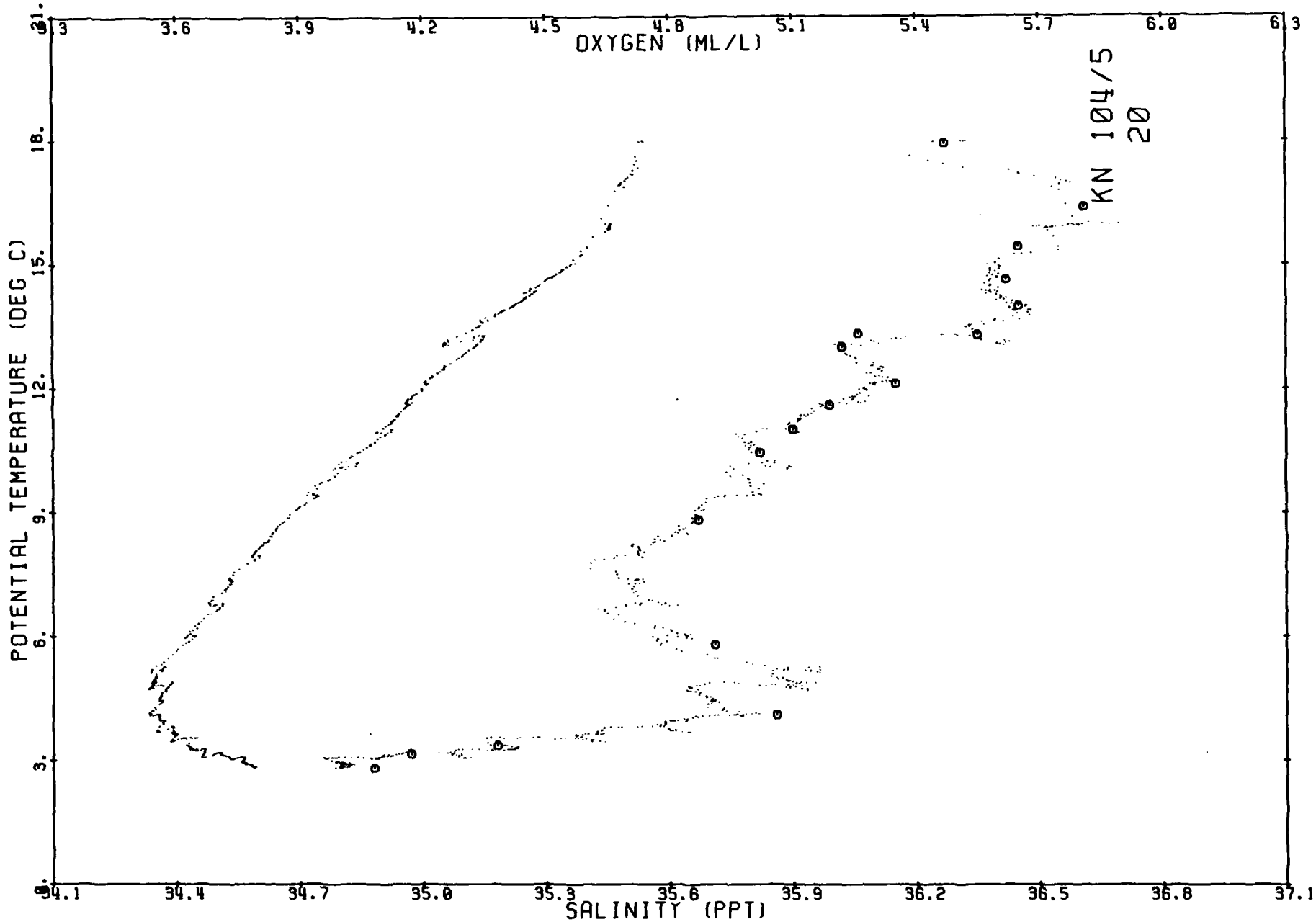
AD-A168 163 AGULHAS RETROFLECTION CRUISE NOVEMBER-DECEMBER 1983 2/5
HYDROGRAPHIC (CTD) DATA(U) LAMONT-DOHERTY GEOLOGICAL
OBSERVATORY PALISADES NY D B CAMP ET AL. FEB 86
UNCLASSIFIED LDGO-86-1 N00014-84-C-0132 F/G 8/1 NL

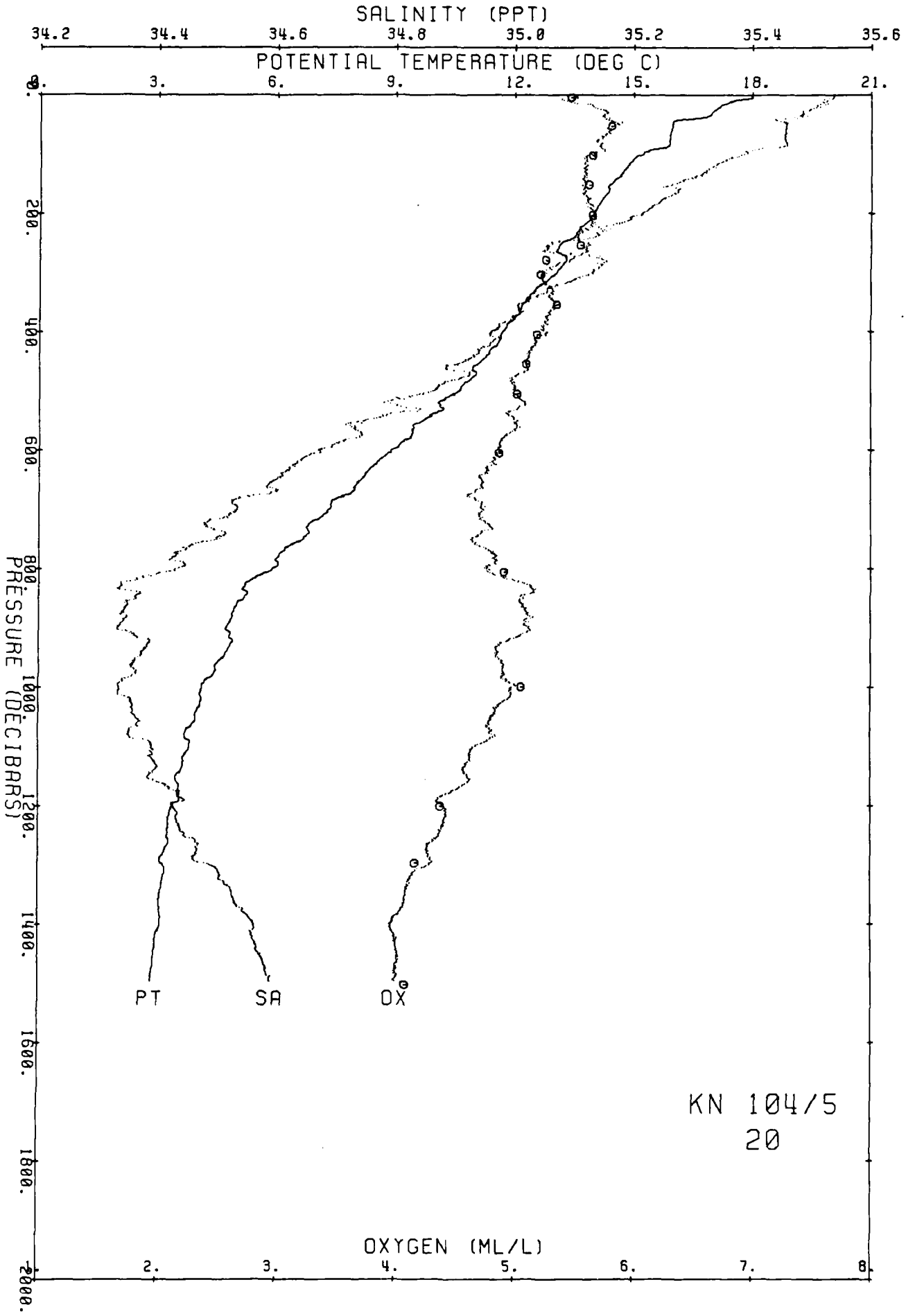




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MICROCOPY RESOLUTI TEST


SALINITY (PPT)
34.2
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35.2
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35.6
POTENTIAL TEMPERATURE (DEG C)
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9.
12.
15.
18.
21.
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SA
OX
PRESSURE (DECIBARS)
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500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
OXYGEN (ML/L)
2.
3.
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KN 104/5
20

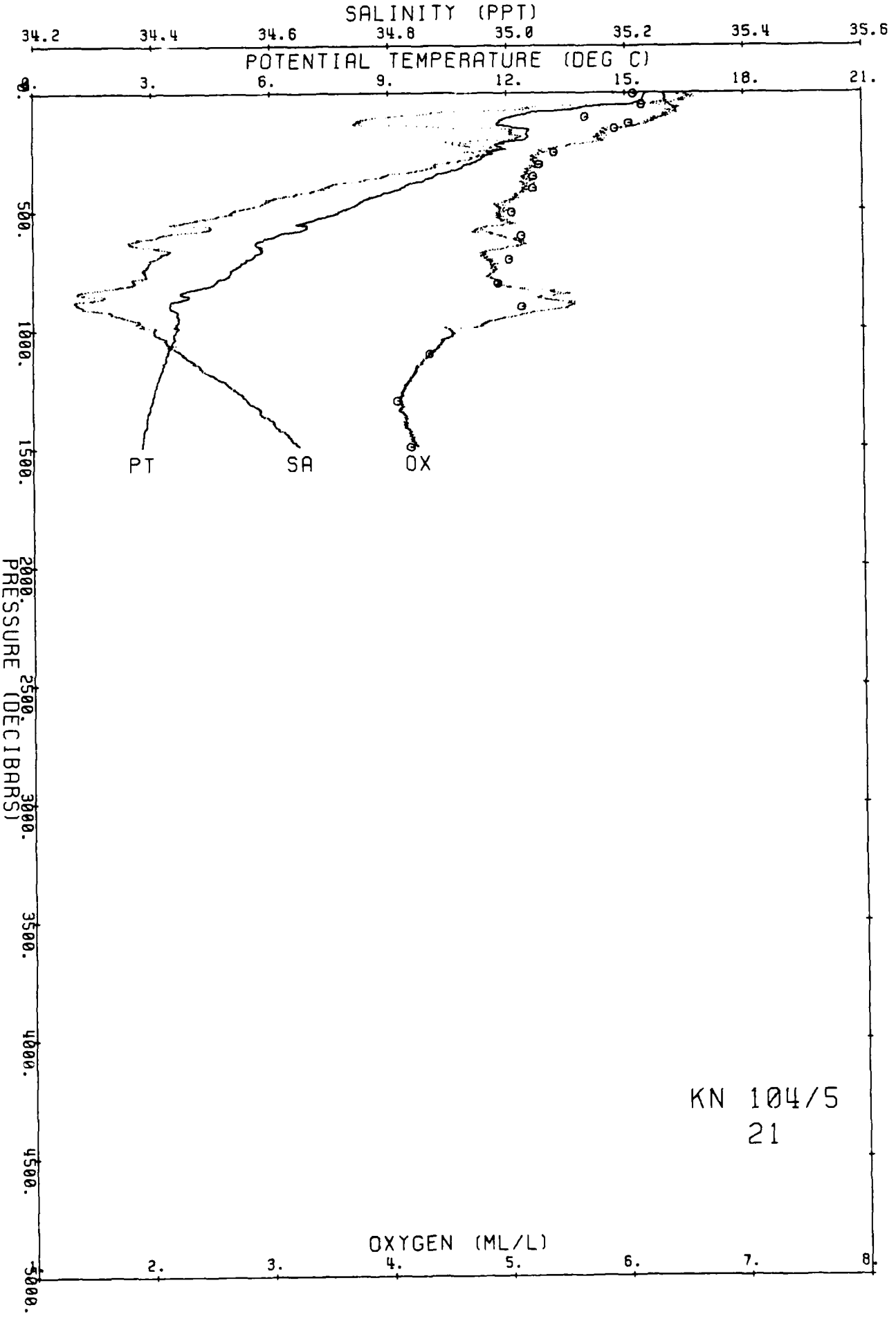

OXYGEN (ML/L)
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3.9
4.2
4.5
4.8
5.1
5.4
5.7
6.0
6.3
KN 104/5
20
POTENTIAL TEMPERATURE (DEG C)
21.
18.
15.
12.
9.
6.
3.
0.
SALINITY (PPT)
34.1
34.4
34.7
35.0
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35.6
35.9
36.2
36.5
36.8
37.1

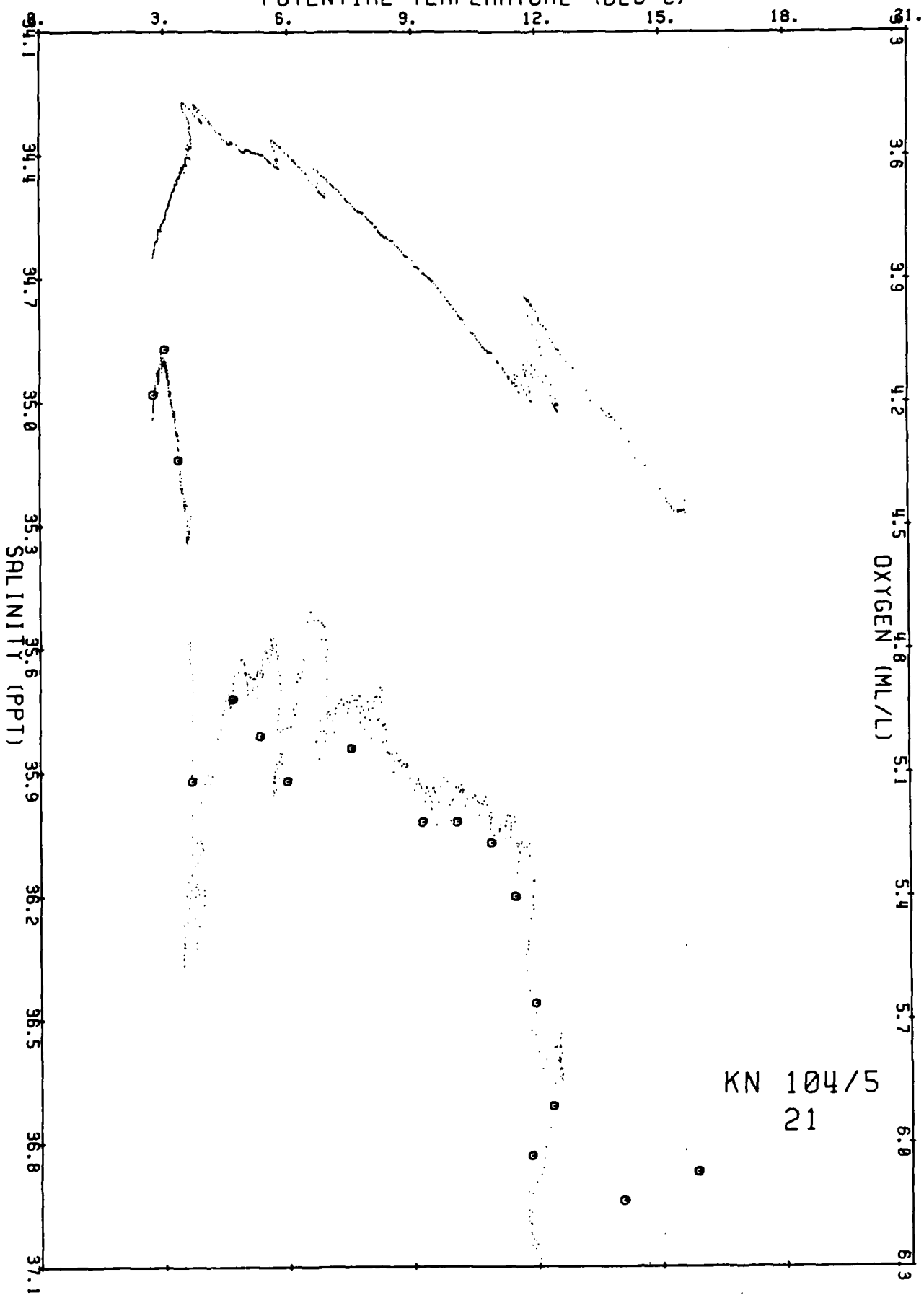

SALINITY (PPT)
34.2
34.4
34.6
34.8
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35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
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800.
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1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
PT
SA
OX
KN 104/5
20
OXYGEN (ML/L)
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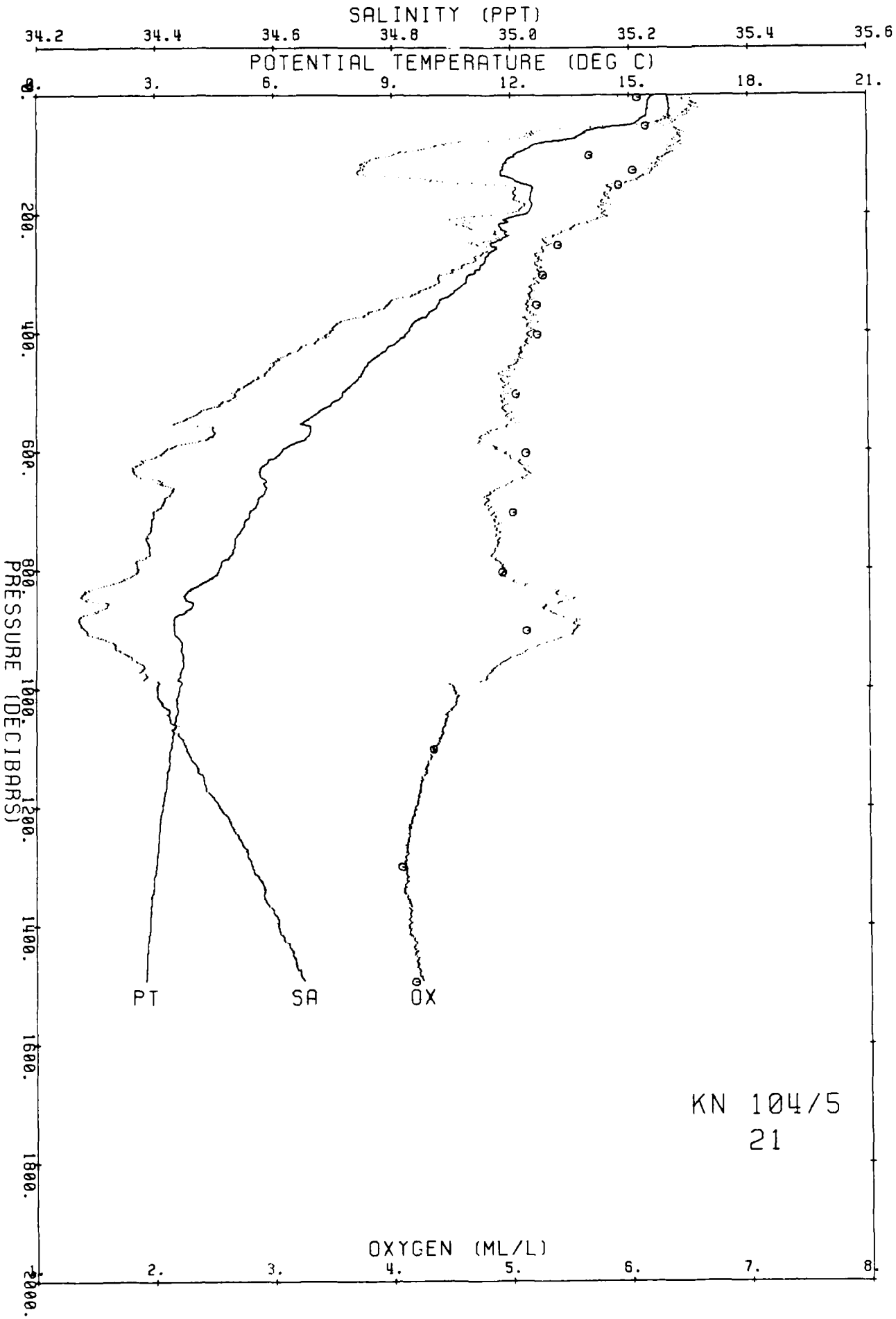
Ship KN Cruise 1045 Station 21 Cast 1 DT
Start 38 11.87 S 14 59.98 E at 908 83/11/21
End 38 10.04 S 14 59.19 E at 1058

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	15.609	15.609	35.271	4.4	79.2	26.046	30.389	34.637	38.791	42.855	195.3	0.00	0.00	0.0
10	15.489	15.487	35.267	6.5	115.9	26.070	30.416	34.665	38.822	42.888	193.3	.02	2.76	10.0
20	15.468	15.465	35.268	6.5	116.1	26.076	30.422	34.672	38.829	42.895	193.1	.04	1.34	19.9
30	15.455	15.450	35.268	6.5	114.7	26.079	30.426	34.676	38.833	42.899	193.1	.06	1.03	29.9
40	15.307	15.301	35.262	6.3	112.4	26.108	30.457	34.710	38.869	42.938	190.7	.08	3.01	39.9
50	15.029	15.022	35.214	6.2	109.6	26.133	30.487	34.745	38.910	42.984	188.7	.10	2.80	49.8
60	13.934	13.925	35.044	6.4	110.6	26.238	30.613	34.892	39.077	43.170	179.0	.11	5.76	59.8
70	13.668	13.658	35.022	6.4	110.1	26.276	30.657	34.941	39.131	43.229	175.5	.13	3.50	69.7
80	12.755	12.744	34.900	6.4	107.5	26.367	30.767	35.068	39.275	43.390	167.1	.15	5.38	79.7
90	12.424	12.413	34.855	6.4	105.9	26.397	30.804	35.112	39.326	43.447	164.4	.17	3.11	89.7
100	12.102	12.089	34.802	6.3	104.4	26.419	30.832	35.147	39.367	43.494	162.6	.18	2.63	99.6
120	11.839	11.824	34.752	6.2	102.8	26.430	30.849	35.170	39.395	43.527	162.0	.21	1.38	119.5
140	12.064	12.046	34.849	6.1	100.5	26.464	30.877	35.193	39.413	43.541	159.4	.25	2.25	139.4
160	12.573	12.552	35.008	5.8	97.6	26.489	30.891	35.196	39.406	43.523	157.8	.28	1.92	159.3
180	12.546	12.522	35.016	5.8	96.3	26.501	30.904	35.209	39.420	43.538	157.2	.31	1.38	179.2
200	12.404	12.377	34.985	5.8	96.1	26.505	30.911	35.220	39.433	43.554	157.3	.34	.88	199.1
220	11.748	11.720	34.920	5.5	91.0	26.581	31.000	35.322	39.548	43.681	150.4	.37	3.50	219.0
240	11.832	11.801	34.980	5.3	87.3	26.612	31.030	35.349	39.573	43.705	148.0	.40	2.20	238.9
260	11.638	11.605	34.975	5.3	86.4	26.645	31.067	35.390	39.618	43.753	145.3	.43	2.31	258.8
280	11.385	11.350	34.938	5.2	85.1	26.664	31.091	35.420	39.653	43.793	143.9	.46	1.78	278.7
300	11.119	11.082	34.899	5.2	84.9	26.682	31.115	35.450	39.688	43.833	142.5	.49	1.79	298.6
320	10.825	10.786	34.871	5.2	83.4	26.714	31.153	35.494	39.739	43.889	139.8	.52	2.30	318.5
340	10.473	10.433	34.831	5.2	82.5	26.746	31.193	35.541	39.792	43.950	137.1	.55	2.30	338.4
360	10.137	10.095	34.780	5.1	81.5	26.764	31.219	35.574	39.833	43.998	135.5	.57	1.84	358.3
380	9.652	9.609	34.715	5.2	81.1	26.796	31.261	35.627	39.897	44.071	132.6	.60	2.36	378.2
400	9.419	9.375	34.694	5.1	80.3	26.818	31.289	35.660	39.934	44.114	130.7	.63	1.95	398.0
450	8.462	8.415	34.599	5.1	77.1	26.896	31.389	35.782	40.077	44.276	123.5	.69	2.34	447.7
500	7.811	7.761	34.537	4.9	74.2	26.946	31.454	35.862	40.171	44.384	119.0	.75	1.89	497.4
550	6.826	6.774	34.440	5.0	73.4	27.009	31.541	35.972	40.304	44.539	112.8	.81	2.17	547.1
600	6.252	6.199	34.416	4.9	71.4	27.066	31.612	36.057	40.402	44.650	107.4	.86	2.02	596.7
650	5.853	5.797	34.408	5.1	72.5	27.111	31.667	36.121	40.475	44.732	103.3	.92	1.78	646.3
700	5.485	5.426	34.399	4.8	68.3	27.149	31.714	36.177	40.540	44.806	99.8	.97	1.67	695.9
750	5.076	5.015	34.386	4.9	68.8	27.187	31.763	36.236	40.609	44.884	96.1	1.02	1.69	745.5
800	4.670	4.607	34.371	4.9	68.7	27.221	31.807	36.291	40.674	44.958	92.7	1.06	1.62	795.1
900	3.529	3.466	34.282	5.5	75.0	27.268	31.885	36.398	40.810	45.122	86.7	1.15	1.51	894.3
1000	3.691	3.618	34.404	4.5	61.5	27.351	31.962	36.471	40.878	45.185	80.3	1.24	1.55	993.3
1100	3.487	3.407	34.452	4.3	58.7	27.410	32.026	36.540	40.952	45.264	75.1	1.31	1.42	1092.4
1200	3.269	3.183	34.508	4.2	56.4	27.476	32.098	36.617	41.034	45.351	69.2	1.39	1.50	1191.3
1300	3.111	3.019	34.562	4.1	55.1	27.534	32.160	36.683	41.104	45.424	64.0	1.45	1.40	1290.3
1400	2.965	2.866	34.606	4.1	55.2	27.583	32.213	36.739	41.164	45.488	59.7	1.51	1.30	1389.1
1492	2.860	2.754	34.649	4.2	56.7	27.627	32.260	36.789	41.216	45.542	55.9	1.57	1.28	1480.1

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	15.841	15.840	35.269	6.07	5.0	0.35	1.3	0.03	0.20	25.992	30.331	34.575	38.725	42.785	4.4
14	15.488	15.486	35.269		5.8	0.30	1.4	0.03		26.072	30.418	34.667	38.824	42.890	13.5
26	15.433	15.429	35.269		5.2	0.28	1.3	0.03		26.085	30.431	34.682	38.839	42.906	26.2
52	14.052	14.044	35.090	6.14	4.2	0.39	2.4	0.07		26.248	30.621	34.898	39.080	43.171	51.6
77	12.600	12.590	34.889		4.2	0.53	4.8	0.20	0.26	26.389	30.792	35.097	39.307	43.424	76.5
102	11.945	11.932	34.774	5.66	4.8	0.61	6.1	0.52		26.427	30.844	35.162	39.385	43.515	100.7
127	11.834	11.818	34.764	6.03	5.2	0.65	5.6	0.42		26.441	30.860	35.181	39.406	43.538	125.8
152	12.354	12.334	34.940	5.91	6.4	0.54	6.6	0.06		26.479	30.886	35.195	39.410	43.532	150.5
202	12.470	12.443	35.002		6.0	0.63	6.2	0.02		26.506	30.910	35.217	39.429	43.549	200.3
253	11.473	11.441	34.928	5.40	6.3	0.86	9.1	0.01		26.639	31.064	35.392	39.623	43.761	250.4
303	10.913	10.876	34.889	5.27	6.6	0.99	9.2	0.01		26.712	31.149	35.488	39.731	43.880	300.1
353	10.091	10.050	34.788	5.22	7.5	1.15	13.1			26.778	31.234	35.590	39.850	44.015	350.1
403	9.262	9.217	34.682	5.22	8.2	1.30	15.7			26.834	31.309	35.683	39.961	44.143	399.5
504	7.561	7.511	34.517	5.04	12.0	1.68	21.3			26.966	31.481	35.894	40.209	44.428	499.4
604	6.024	5.971	34.392	5.12	14.7	1.94	22.8			27.076	31.628	36.078	40.429	44.682	598.2
704	5.372	5.313	34.393	5.01	21.3	2.11	23.7			27.158	31.726	36.192	40.558	44.825	697.4
805	4.729	4.665	34.379	4.92	28.9	2.25	29.0			27.221	31.806	36.288	40.669	44.952	797.1
903	3.727	3.661	34.311	5.12	28.2	2.35	26.3			27.272	31.884	36.392	40.798	45.105	894.2
1004	3.695	3.621	34.409		32.0		25.0			27.354	31.966	36.474	40.881	45.188	993.5
1103	3.435	3.355	34.450	4.34	45.3	2.54	30.7			27.413	32.031	36.546	40.959	45.272	1091.6
1202	3.289	3.203	34.499		45.3	2.58	27.6			27.467	32.088	36.607	41.023	45.340	1189.4
1301	3.112	3.019	34.558	4.07	51.5	2.58	29.6			27.531	32.157	36.680	41.100	45.421	1287.0
1400	2.965	2.866	34.604		57.1	2.56	31.3			27.581	32.212	36.738	41.162	45.486	1385.0
1495	2.862	2.756	34.647	4.18	47.0	2.47	25.0			27.626	32.258	36.787	41.214	45.541	1478.1


SALINITY (PPT)
34.2
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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KN 104/5
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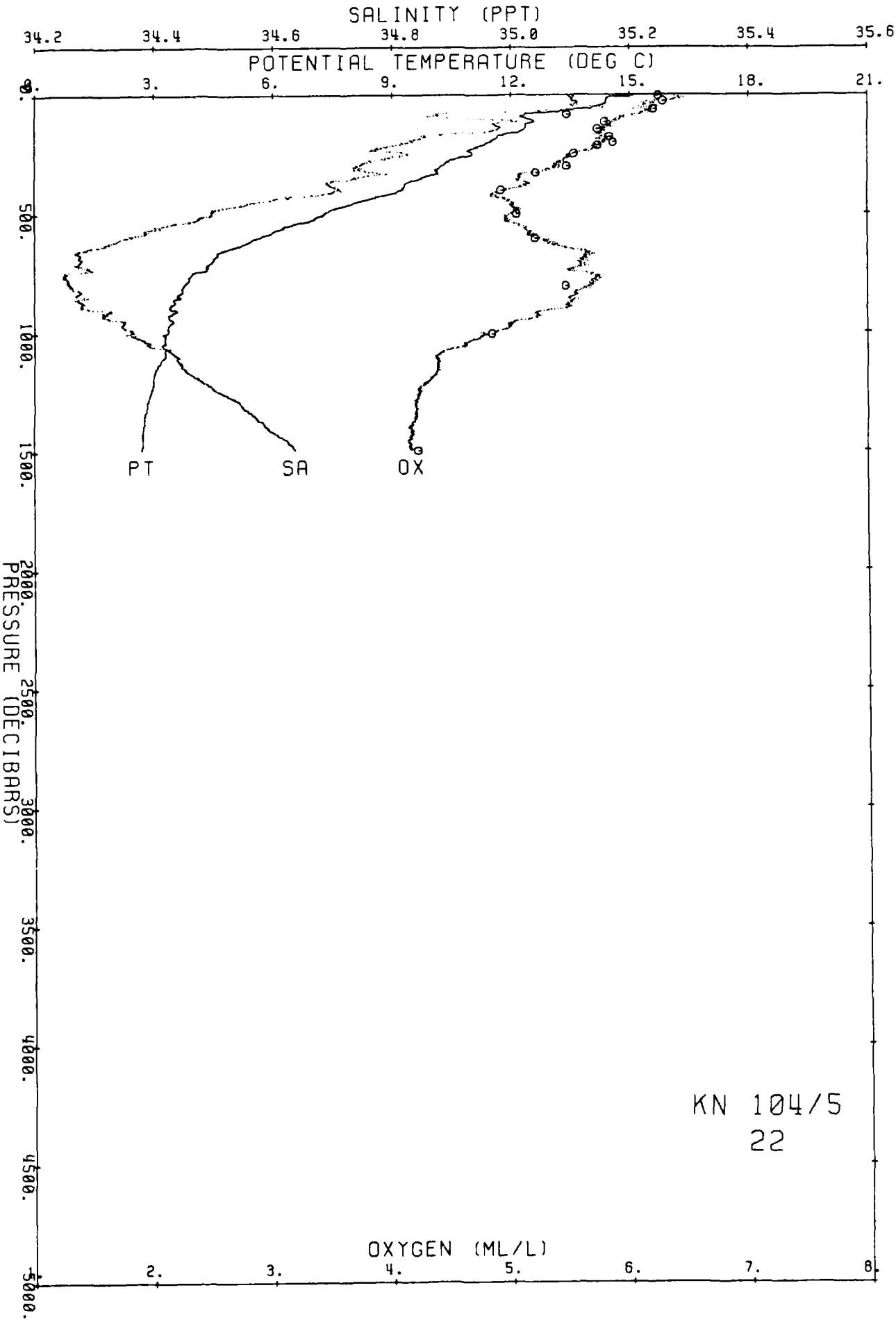

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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KN 104/5
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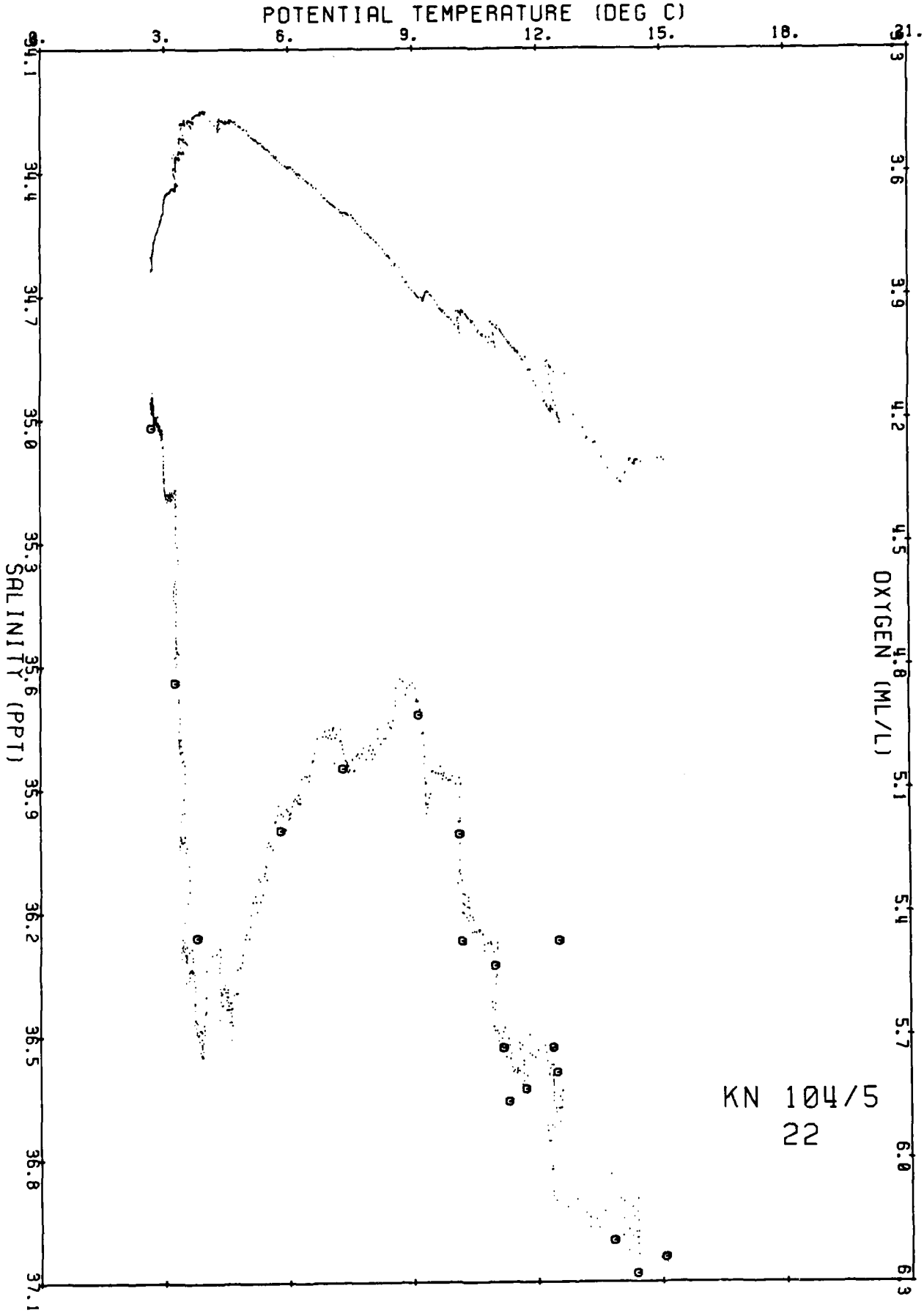

SALINITY (PPT)
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34.6
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35.6
POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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KN 104/5
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OXYGEN (ML/L)
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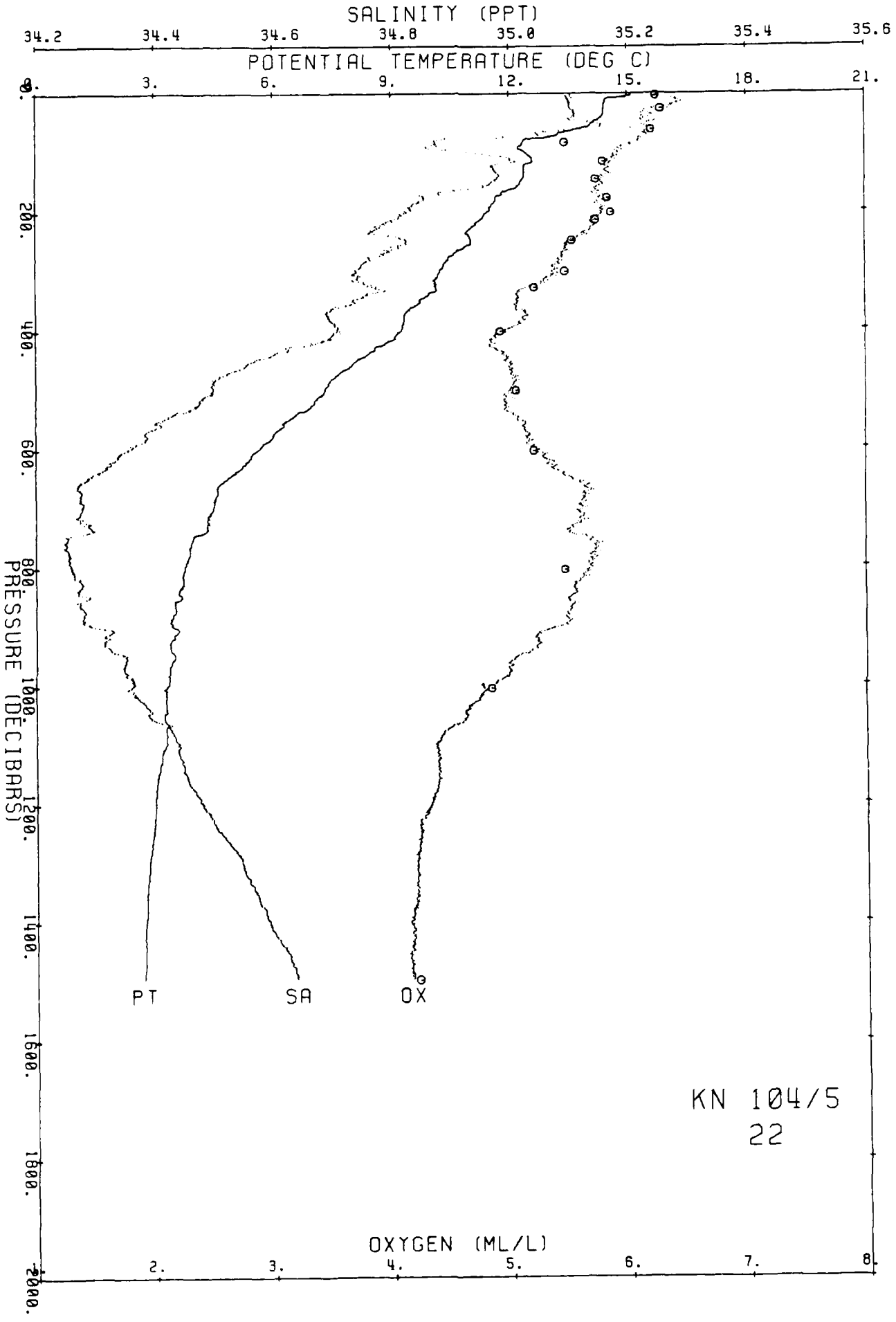
Ship KN Cruise 1045 Station 22 Cast 1 DT
Start 38 18.45 S 14 .39 E at 1615 83/11/21
End 38 17.75 S 13 57.23 E at 1814

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	15.093	15.093	35.104	6.3	110.2	26.032	30.386	34.644	38.808	42.881	196.6	0.00	0.00	0.0
10	14.463	14.462	35.101	6.4	111.5	26.168	30.533	34.802	38.977	43.060	184.1	.02	6.51	10.0
20	14.421	14.418	35.102	6.4	110.9	26.178	30.544	34.814	38.989	43.074	183.4	.04	1.79	19.9
30	14.403	14.399	35.109	6.2	107.7	26.187	30.554	34.824	39.000	43.084	182.8	.06	1.72	29.9
40	14.362	14.356	35.111	6.2	107.3	26.198	30.565	34.836	39.013	43.098	182.1	.07	1.84	39.9
50	14.175	14.168	35.133	6.2	106.9	26.255	30.626	34.900	39.080	43.168	177.0	.09	4.24	49.8
60	13.759	13.750	35.122	6.0	103.6	26.334	30.713	34.995	39.182	43.278	169.7	.11	5.00	59.8
70	13.238	13.229	35.050	6.2	104.6	26.386	30.775	35.067	39.264	43.369	165.1	.13	4.05	69.7
80	12.376	12.366	34.875	6.1	101.4	26.422	30.829	35.138	39.353	43.474	161.8	.14	3.42	79.7
90	12.284	12.272	34.860	6.0	99.0	26.429	30.838	35.149	39.365	43.488	161.5	.16	1.45	89.6
100	12.413	12.400	34.937	5.9	98.7	26.464	30.870	35.178	39.391	43.512	158.4	.17	3.30	99.6
120	12.453	12.438	34.978	5.9	98.0	26.488	30.893	35.200	39.412	43.532	156.7	.21	1.95	119.5
140	12.402	12.383	34.983	5.8	96.5	26.502	30.908	35.217	39.430	43.550	155.9	.24	1.51	139.4
160	12.197	12.176	34.937	5.7	95.0	26.507	30.917	35.230	39.447	43.572	155.9	.27	89	159.3
180	11.697	11.674	34.857	5.8	95.0	26.540	30.961	35.284	39.512	43.646	153.1	.30	2.35	179.2
200	11.476	11.451	34.828	5.8	94.4	26.559	30.985	35.313	39.545	43.683	151.8	.33	1.77	199.1
220	11.182	11.155	34.787	5.7	92.6	26.582	31.014	35.348	39.586	43.730	150.0	.36	1.94	219.0
240	11.019	10.990	34.796	5.6	90.9	26.619	31.055	35.392	39.633	43.780	146.9	.39	2.43	238.9
260	10.898	10.867	34.815	5.5	88.3	26.656	31.094	35.433	39.677	43.826	143.8	.42	2.43	258.8
280	10.491	10.458	34.765	5.4	86.5	26.690	31.137	35.485	39.736	43.894	140.9	.45	2.38	278.7
300	10.282	10.247	34.742	5.4	85.2	26.709	31.160	35.513	39.769	43.931	139.5	.48	1.78	298.6
320	10.152	10.114	34.755	5.3	84.1	26.741	31.196	35.551	39.810	43.974	136.7	.50	2.30	318.5
340	10.004	9.965	34.759	5.1	80.1	26.770	31.228	35.586	39.848	44.015	134.4	.53	2.16	338.4
360	9.601	9.561	34.712	5.1	79.3	26.802	31.268	35.635	39.905	44.081	131.6	.56	2.32	358.3
380	9.381	9.338	34.696	5.1	79.7	26.826	31.297	35.669	39.944	44.124	129.6	.58	2.02	378.2
400	9.317	9.272	34.713	5.0	77.2	26.850	31.323	35.696	39.972	44.153	127.7	.61	1.96	398.0
450	8.192	8.146	34.568	5.0	75.1	26.913	31.412	35.811	40.112	44.317	121.6	.67	2.16	447.7
500	7.357	7.309	34.498	5.0	74.4	26.980	31.499	35.918	40.237	44.460	115.3	.73	2.19	497.4
550	6.445	6.395	34.414	5.1	73.7	27.039	31.580	36.020	40.361	44.604	109.5	.79	2.09	547.0
600	5.675	5.624	34.356	5.2	74.9	27.091	31.652	36.110	40.469	44.730	104.2	.84	1.99	596.7
650	4.888	4.837	34.286	5.5	77.5	27.128	31.709	36.187	40.565	44.845	100.1	.89	1.77	646.3
700	4.532	4.478	34.278	5.6	78.2	27.161	31.752	36.239	40.626	44.914	96.9	.94	1.57	695.9
750	4.037	3.982	34.253	5.6	77.4	27.194	31.797	36.298	40.697	44.996	93.5	.99	1.62	745.5
800	3.825	3.767	34.260	5.7	77.7	27.221	31.830	36.336	40.740	45.045	90.9	1.03	1.41	795.1
900	3.544	3.480	34.307	5.4	73.5	27.287	31.903	36.416	40.827	45.138	85.1	1.12	1.50	894.2
1000	3.386	3.315	34.361	4.8	64.3	27.346	31.966	36.482	40.897	45.212	80.0	1.20	1.40	993.3
1100	3.349	3.270	34.439	4.4	59.1	27.412	32.033	36.550	40.965	45.281	74.5	1.28	1.45	1092.3
1200	3.082	2.998	34.481	4.3	58.0	27.471	32.099	36.623	41.045	45.366	69.0	1.35	1.44	1191.3
1300	2.929	2.838	34.546	4.2	56.2	27.537	32.169	36.696	41.122	45.447	63.1	1.42	1.49	1290.2
1400	2.851	2.753	34.591	4.1	55.3	27.581	32.214	36.744	41.171	45.498	59.5	1.48	1.20	1389.1
1495	2.808	2.702	34.638	4.2	55.5	27.623	32.257	36.788	41.216	45.544	56.1	1.54	1.19	1483.0

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	15.064	15.063	35.104	6.24	4.6	0.39	2.3	0.06	0.20	26.039	30.393	34.651	38.816	42.890	4.0
14	14.445	14.443	35.102		5.3	0.37	2.4	0.07		26.172	30.538	34.807	38.983	43.067	13.8
27	14.390	14.386	35.103	6.28	5.5	0.34	2.3	0.06		26.185	30.552	34.822	38.999	43.084	26.5
62	13.837	13.828	35.147		5.6	0.38	3.4	0.16		26.338	30.714	34.994	39.180	43.274	61.4
62	13.832	13.823	35.149	6.20						26.340	30.717	34.997	39.183	43.277	61.5
83	12.535	12.524	34.909	5.47		0.54		0.38		26.418	30.821	35.127	39.338	43.457	82.2
83	12.542	12.531	34.910		5.0		5.3			26.417	30.821	35.126	39.337	43.456	82.3
115	12.483	12.468	34.974	5.79	5.8	0.60	6.8	0.05		26.479	30.883	35.190	39.402	43.521	114.4
146	12.398	12.379	34.987	5.73	6.2	0.64	7.6	0.01		26.506	30.913	35.221	39.434	43.555	144.4
177	11.734	11.711	34.876	5.83	6.0	0.74	7.2	0.02		26.548	30.968	35.290	39.517	43.650	175.5
201	11.329	11.304	34.808	5.86	5.2	0.77	9.9	0.01		26.571	31.000	35.331	39.566	43.707	199.5
214	11.201	11.174	34.803	5.73	5.2	0.84	10.8			26.591	31.023	35.356	39.593	43.737	212.1
248	11.012	10.981	34.830	5.53	6.2	0.88	9.4			26.647	31.083	35.419	39.660	43.808	246.3
301	10.213	10.178	34.737	5.47	7.6	1.03	12.0			26.717	31.170	35.524	39.781	43.944	298.1
328	10.162	10.123	34.768	5.21	7.6	1.09	15.6			26.750	31.204	35.559	39.817	43.982	325.2
401	9.180	9.136	34.702	4.92	10.9	1.39	19.0			26.863	31.339	35.716	39.995	44.179	397.9
501	7.355	7.306	34.496	5.05	11.3	1.68	22.9			26.979	31.498	35.917	40.236	44.459	496.7
603	5.849	5.797	34.371	5.20	14.5	1.92	21.4			27.081	31.638	36.092	40.447	44.704	597.3
703	4.576	4.521	34.277		16.9	2.07	22.6			27.156	31.745	36.231	40.617	44.904	696.8
805	3.832	3.774	34.263	5.46	23.4	2.21	26.5			27.223	31.832	36.337	40.741	45.046	796.7
905	3.618	3.553	34.319		28.8	2.32	26.5			27.289	31.904	36.414	40.823	45.133	896.1
1004	3.334	3.263	34.352	4.84	37.7	2.46	32.6			27.344	31.965	36.483	40.899	45.216	994.3
1253	3.020	2.932	34.510		50.0	2.56	31.6			27.500	32.129	36.655	41.078	45.401	1239.5
1497	2.810	2.704	34.639	4.22	54.8	2.44	30.9			27.624	32.258	36.788	41.216	45.544	1480.5


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
OXYGEN (ML/L)
2.
3.
4.
5.
6.
7.
8.
KN 104/5
22

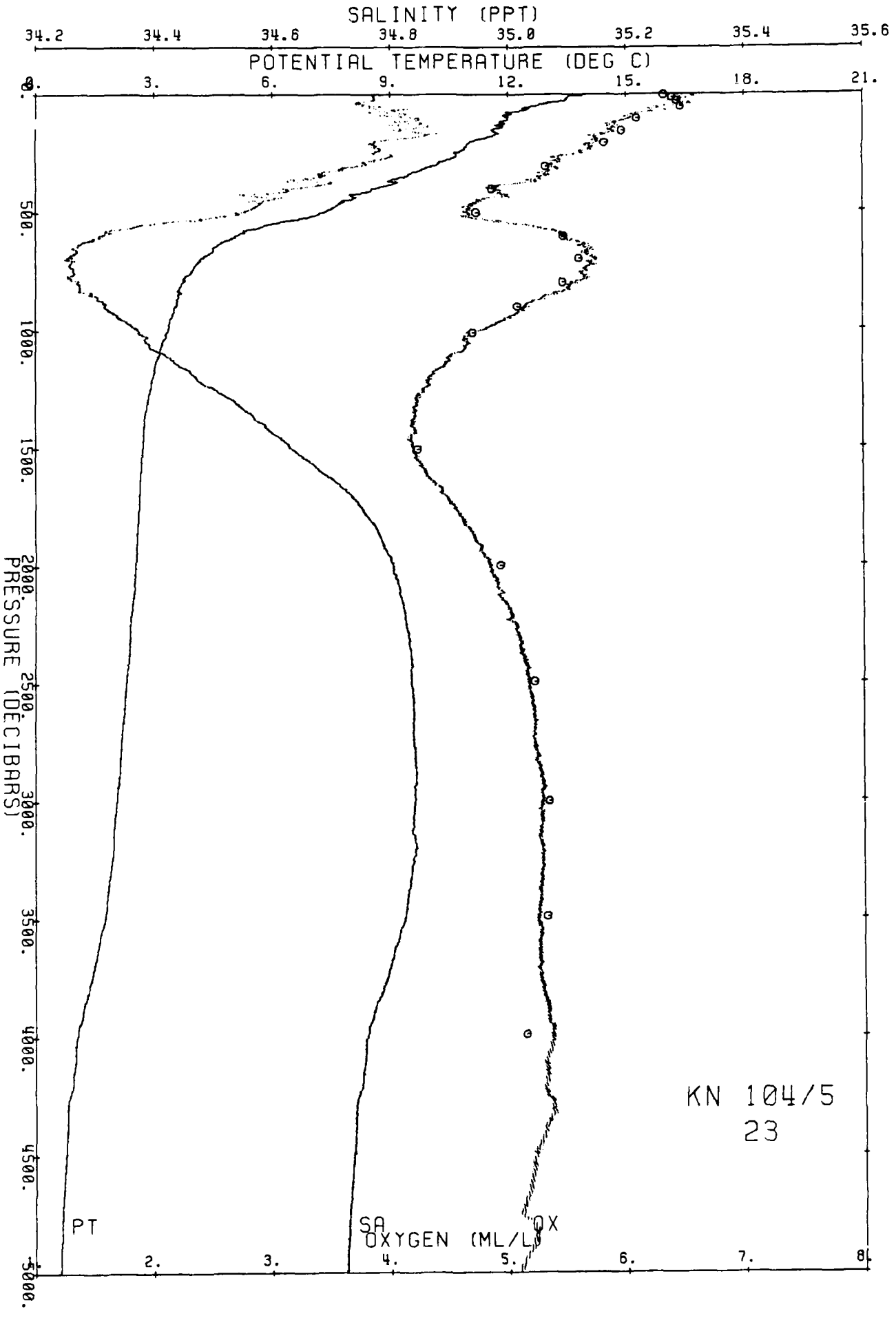

POTENTIAL TEMPERATURE (DEG C)
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3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
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34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
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4.2
4.5
4.8
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KN 104/5
22

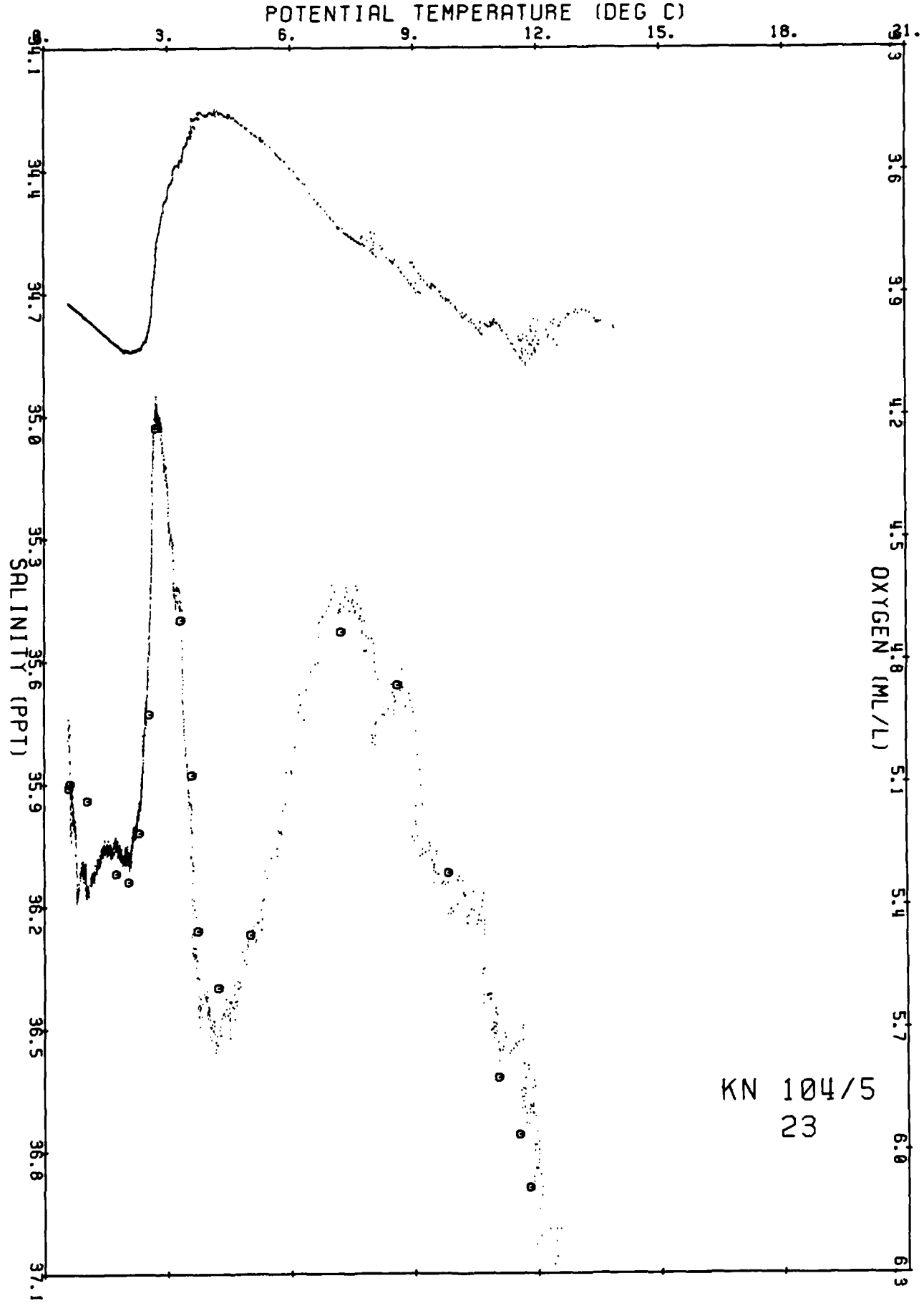

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PT
SA
OX
KN 104/5
22
OXYGEN (ML/L)
2.
3.
4.
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6.
7.
8.

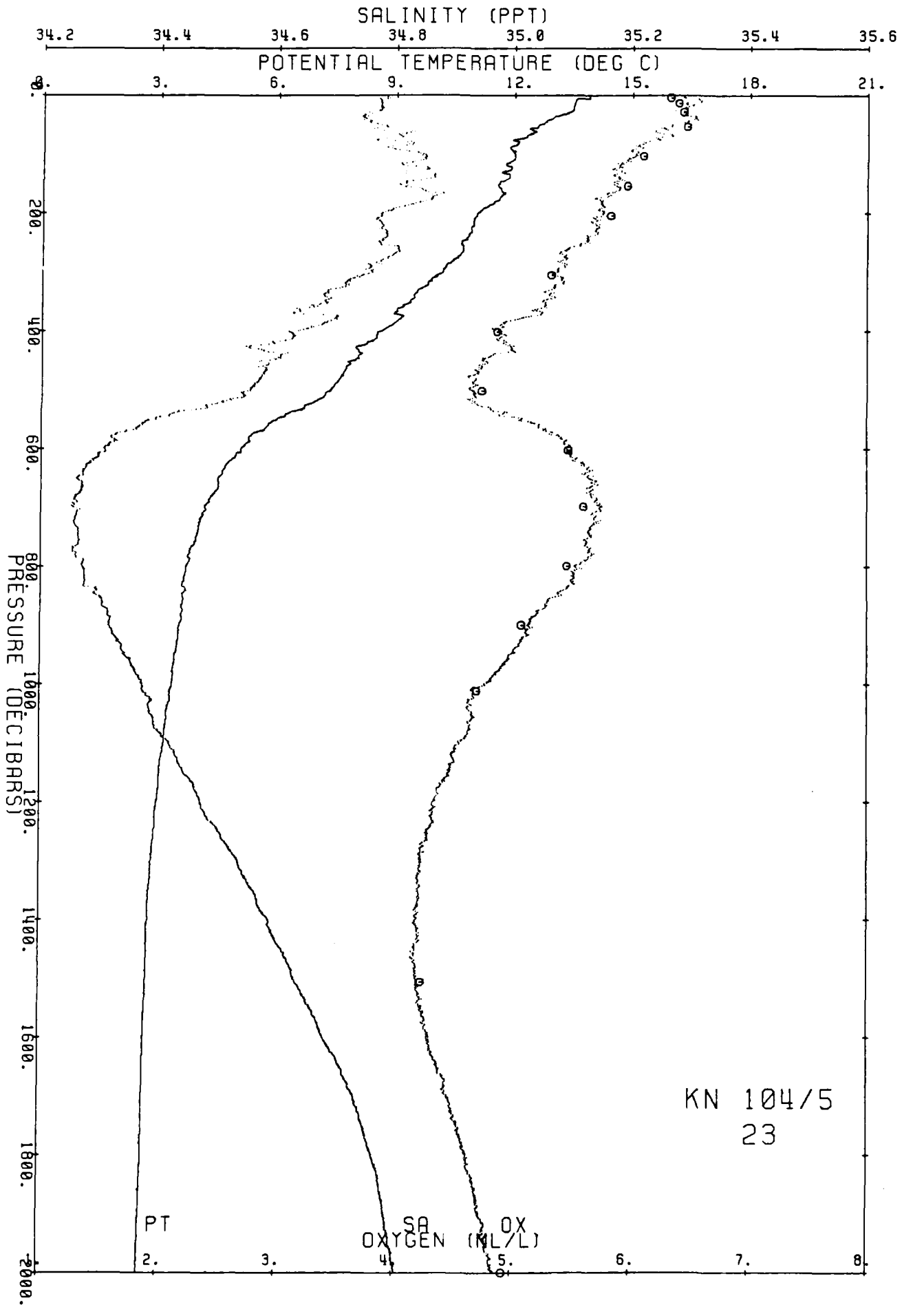
Ship KN Cruise 1045 Station 23 Cast 1 DT
Start 38 24.09 S 12 59.67 E at 2250 83/11/21
End 38 25.09 S 12 59.30 E at 232

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	13.900	13.900	34.783	6.4	110.4	26.041	30.419	34.700	38.887	42.982	195.8	0.00	0 00	0.0
10	13.542	13.541	34.772	6.6	112.1	26.107	30.492	34.780	38.973	43.075	189 8	.02	4 55	10.0
20	13.488	13 485	34.772	6 4	109.8	26.118	30.504	34.793	38.988	43.090	189 0	.04	1.89	19.9
30	13.321	13.317	34.748	6.4	107.8	26.134	30.524	34.816	39.013	43.119	187 8	06	2 23	29.9
40	12.961	12.956	34.748	6.5	110.1	26.207	30.604	34.902	39.107	43.219	181.1	.08	4.79	39 9
50	12 629	12 623	34.773	6.3	105.9	26.293	30.695	35.000	39.211	43.328	173.3	.09	5 18	49.8
60	12.439	12 432	34.777	6.2	103.1	26.333	30.740	35.048	39.262	43 383	169.7	.11	3.58	59 8
70	12 302	12.293	34.810	6.3	105.2	26.386	30.795	35.106	39.322	43.445	165 0	.13	4.06	69 7
80	12.087	12.077	34.817	6.1	101.0	26.433	30.846	35.161	39.381	43.509	160.8	.14	3.85	79 7
90	11 890	11.879	34.791	6.1	100.0	26.450	30.868	35.187	39.411	43.542	159 3	.16	2.37	89 6
100	12.007	11 994	34 844	6.0	99.5	26.470	30.884	35.201	39 423	43 551	157 8	.18	2 44	99 6
120	11.815	11.800	34.818	5.9	96.8	26.486	30.905	35.226	39.451	43.583	156 7	.21	1 64	119 5
140	11 880	11 862	34.864	5 9	97.1	26.510	30 928	35.247	39.471	43.601	155.0	.24	1 93	139 4
160	11 693	11 673	34.845	5.9	96.7	26.531	30.952	35.275	39.503	43 637	153.5	.27	1 83	159 3
180	11.534	11 511	34.844	5 7	93.7	26.561	30.985	35.311	39.542	43.679	151 1	.30	2 17	179 2
200	11 094	11 070	34.776	5.8	93 2	26.589	31.023	35.359	39.598	43.744	148.8	.33	2 17	199 1
220	10 997	10.970	34.778	5.7	92.0	26.608	31.045	35.382	39.624	43.772	147 4	.36	1.77	219.0
240	10.856	10 827	34.783	5 6	90.6	26.638	31 077	35.418	39.662	43.813	145 0	.39	2.18	238.9
260	10.739	10 707	34.803	5 5	87.7	26.675	31.117	35.459	39.706	43 858	142 0	.42	2.43	258 8
280	10.487	10.454	34.774	5.4	86.5	26.697	31.144	35.492	39.744	43.902	140.2	.44	1 93	278 7
300	10.240	10.205	34.760	5.4	85.3	26.730	31 182	35.536	39.792	43 955	137 4	.47	2 31	298 6
320	9 847	9.810	34.720	5.4	85 3	26.766	31.227	35.589	39.854	44 024	134 2	.50	2 47	318.5
340	9 505	9.467	34.679	5.3	82.9	26.791	31.260	35.629	39.902	44.079	132 0	.53	2 09	338.4
360	9.198	9 158	34.653	5.3	81.9	26.821	31 297	35.673	39.952	44.136	129 4	.55	2 26	358.3
380	9 122	9 080	34.700	5 0	77.9	26.871	31 348	35.725	40 006	44.191	125 1	.58	2.79	378.1
400	8.616	8.573	34.619	4.9	75.0	26.888	31.377	35.766	40.057	44.253	123 5	60	1 83	398.0
450	7.952	7 906	34.572	4 7	71.6	26.952	31.457	35.861	40.167	44 377	117 7	66	2.11	447 7
500	7 384	7.336	34.553	4.6	69.1	27.020	31.538	35.955	40 274	44.496	111 6	72	2 16	497 4
550	6 050	6 002	34.394	5.1	73.1	27.074	31.625	36.074	40.424	44.676	105 6	77	2 11	547 0
600	5.139	5.091	34.309	5.5	76.9	27.117	31.692	36.164	40.535	44.809	100 9	.83	1 68	596 7
650	4 554	4.504	34.261	5.6	78.5	27.145	31 735	36.222	40.608	44 895	98 0	88	1 53	646 3
700	4.223	4.171	34.257	5.7	79.0	27.178	31.776	36.271	40.666	44 961	94 9	.92	1 55	695 9
750	4.021	3.965	34.264	5.7	77.7	27.204	31.808	36.309	40.708	45.008	92 5	.97	1 39	745.5
800	3.765	3.707	34.271	5.5	75.4	27.236	31.846	36.354	40.759	45 065	89.4	1.02	1.52	795.1
900	3.602	3.538	34.317	5.1	69.7	27.289	31.904	36.415	40.825	45 134	85 0	1.10	1 33	894 2
1000	3.435	3.364	34.374	4.8	64.5	27.352	31.970	36.485	40.899	45.213	79 6	1.19	1 44	993 3
1100	3.235	3.158	34.420	4.6	61.3	27.408	32.031	36.552	40.970	45 288	74.6	1.26	1.38	1092.3
1200	3.067	2.983	34.472	4.3	58.0	27.465	32.093	36.618	41.040	45.362	69.5	1.34	1 40	1191 3
1300	2.931	2.841	34.537	4.2	56.6	27.530	32.161	36.689	41.115	45.440	63.8	1.40	1.46	1290 2
1400	2.873	2.775	34.589	4.2	55.8	27.577	32.210	36.739	41.166	45 492	59 9	1.46	1.24	1389.1
1500	2.828	2.722	34.630	4.2	55.9	27.615	32.249	36.779	41.206	45.534	56.9	1.52	1.10	1487.9
1600	2.788	2.674	34.681	4.3	57.2	27.660	32.295	36.825	41.254	45.582	53 3	1.58	1.20	1586.7
1700	2.762	2.640	34.734	4.5	59.5	27.705	32.341	36.872	41.301	45.630	49.7	1.63	1.20	1685.4
1800	2.744	2.614	34.764	4.6	61.6	27.732	32.367	36.899	41.328	45.658	47.9	1.68	.92	1784.1
1900	2.719	2.580	34.787	4.7	62.9	27.753	32.389	36.922	41.352	45.682	46.5	1.72	.84	1882.7
2000	2.688	2.540	34.805	4.8	64.6	27.771	32.408	36.941	41.373	45.703	45.3	1.77	.78	1981.3
2100	2.665	2.509	34.815	4.9	65.4	27.781	32.420	36.954	41.385	45.717	44.9	1.82	.62	2079.8
2200	2.596	2.432	34.823	5.0	66.7	27.794	32.435	36.971	41.404	45.738	44.0	1.86	.73	2178.3
2300	2.569	2.396	34.830	5.1	67.6	27.803	32.444	36.981	41.416	45.750	43.6	1.90	.58	2276 7
2400	2.547	2.366	34.836	5.1	68.1	27.810	32.452	36.990	41.425	45.760	43.4	1.95	.53	2375.1
2500	2.494	2.304	34.836	5.2	68.5	27.816	32.459	36.999	41.436	45.772	43.2	1.99	.54	2473.5
2600	2.458	2.259	34.839	5.2	68.9	27.822	32.467	37.007	41.445	45.783	43.0	2.03	.53	2571.8
2700	2.414	2.206	34.839	5.2	69.1	27.826	32.473	37.014	41.454	45.793	42 9	2.08	.50	2670.0
2800	2.384	2.167	34.841	5.3	69.4	27.831	32 478	37.021	41.462	45.801	42 9	2.12	.49	2768.2
2900	2.348	2.122	34.842	5.3	69.7	27.836	32.484	37.028	41.470	45.811	42.8	2.16	.50	2866.4
3000	2.293	2.058	34.841	5.3	69.8	27.840	32.490	37.036	41.479	45.822	42.5	2.21	.54	2964.5
3200	2.237	1.983	34.843	5.3	69.5	27.847	32.500	37.048	41.493	45.837	42.5	2.29	.46	3160.7
3400	2.091	1.820	34.829	5.3	68.9	27.849	32.506	37.059	41.508	45.857	42.1	2.37	.51	3356.6
3600	1.904	1.617	34.811	5.3	68.5	27.850	32.513	37.071	41.526	45.880	41.3	2.46	.57	3552 4
3800	1.651	1.349	34.787	5.3	68.5	27.850	32 521	37.087	41.550	45.910	39 8	2.54	.66	3747.9
4000	1.362	1 046	34.760	5.4	68.9	27.850	32.529	37.104	41.575	45.944	37.7	2 62	.71	3943.4
4200	1.278	943	34.750	5.3	68.1	27.849	32.531	37.109	41.583	45.954	37 5	2.69	.41	4138.6
4400	1.145	.791	34.738	5.3	68.0	27.849	32 536	37.118	41.596	45.972	36.6	2.77	.53	4333.7
4600	1.102	.727	34.733	5.2	66.3	27.849	32.538	37.122	41.601	45.979	36.6	2.84	.35	4528.6
4800	1.067	.671	34.729	5.2	66.6	27.849	32.540	37.125	41.607	45.986	36 7	2.91	.35	4723.3
5000	1.056	.637	34.727	5.1	65.0	27.850	32.541	37.128	41.610	45.990	37.0	2.99	.28	4917.8
5167	1.038	.599	34.722	4.9	63.0	27.848	32.541	37.128	41.612	45 993	37.3	3.05	.26	5080.2

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	13.788	13.787	34.828	6.32	3.9	0.50	3.6	0.08	0.20	26.099	30.479	34.762	38.951	43.048	4.0
13	13 589	13.587	34.798	6.39	5.0	0.45	3.8	0.08		26.118	30.501	34.788	38.981	43.081	12 9
28	13 473	13.469	34 794	6 43	4.9	0.47	2.9	0.09		26.139	30.525	34.814	39.008	43.111	28.2
53	12 581	12.574	34.768	6 46	5.2	0.50	4.5	0.10		26.298	30.702	35.008	39.219	43.338	52 9
103	11 791	11 778	34.792	6 09	5.6	0.64	6.9	0.50		26.470	30.890	35.211	39.437	43.570	102.2
154	11 551	11 531	34 818	5 96	4.8	0.71	8.6	0.02		26.537	30.961	35.287	39.517	43.655	152.7
205	11 057	11 032	34 779	5 82	6.1	0.87	9.0	0.01		26.598	31.033	35.369	39.610	43.756	203.0
305	9 848	9 813	34.725	5 32	6 9	1.17	15.7	0.01		26.769	31.230	35.592	39.857	44.028	302 6
401	8 634	8 591	34 645	4 86	11.7	1.54	20.7			26.905	31.394	35.782	40.073	44.268	397.5
502	7 376	7 327	34 545	4 73	13 5	1.81	15.9			27.029	31.549	35.969	40.290	44.515	497 0
602	5 066	5 017	34 306	5 47	17.0	2.00	27.7			27.123	31.699	36.173	40.547	44.822	596 7
698	4 276	4 224	34 260	5 60	18 1	2.11	25.6			27.174	31.771	36.265	40.658	44.952	691.4
799	3 799	3 741	34 265	5 46	24.7	2.34	31.1			27.228	31.837	36.344	40.749	45.054	790.8
900	3 659	3 594	34 317	5 08	30 4	2.44	31.7			27.284	31.897	36.407	40.815	45.123	890 6
1011	3 399	3 327	34 376	4 70	38 8	2.48	33.9			27.357	31.976	36.492	40.907	45.221	1000 7
1505	2 819	2 712	34 638	4 23	51.0	2.47	31.5			27.622	32.256	36.786	41.214	45.542	1488 5
2000	2.707	2 559	34 806	4 93	42 6	2.05	25.7			27.770	32.407	36.940	41.370	45.700	1975.0
2493	2 500	2 310	34 843	5 22	42 9	1.90	24.8			27.821	32.464	37.003	41.440	45.776	2459 8
3001	2 281	2 046	34 845	5 34	48.6	1 89	25.5			27 844	32.495	37.041	41 484	45.827	2957.0
3489	2 025	1 746	34 828	5 32	53 7	1 99	25.8			27 854	32 513	37.068	41 519	45 870	3434.4
3989	1.360	1 045	34.762	5 14	54.7	2.23	27.3			27 851	32 531	37.106	41.576	45.945	3922 7
4501	1.126	0 762	34 739		71 5	2.34	31.0			27 851	32.540	37 122	41 601	45.978	4420.5
5023	1.054	0.632	34.730	5.10	70.9	2.40	31.2			27 852	32 544	37.131	41.613	45.993	4927 6
5172	1.039	0 599	34.727	5 11	67 9	2.37	32.3			27 852	32 545	37.132	41 616	45.997	5071 8


SALINITY (PPT)
34.2
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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2000.
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23

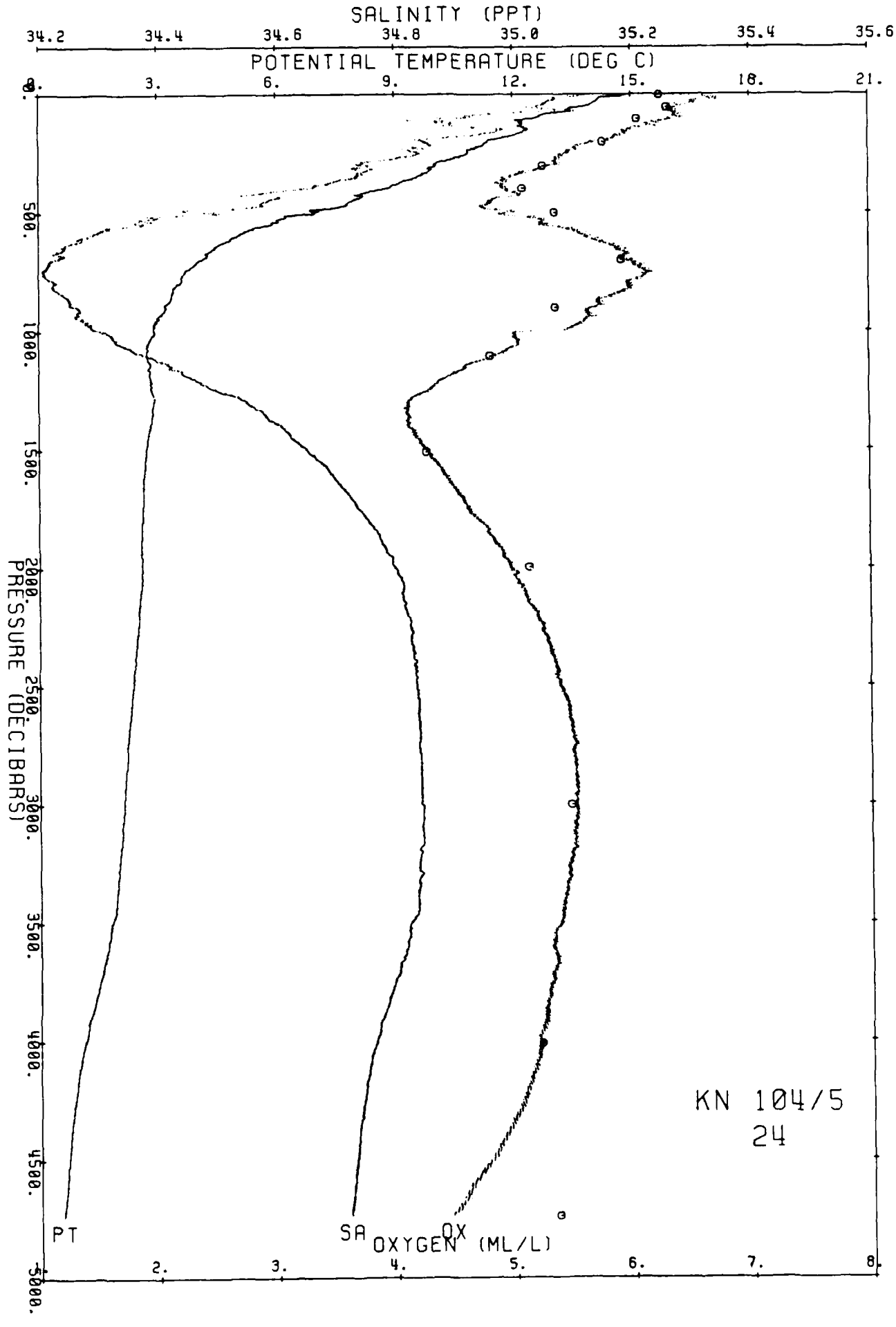

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OXYGEN (ML/L)
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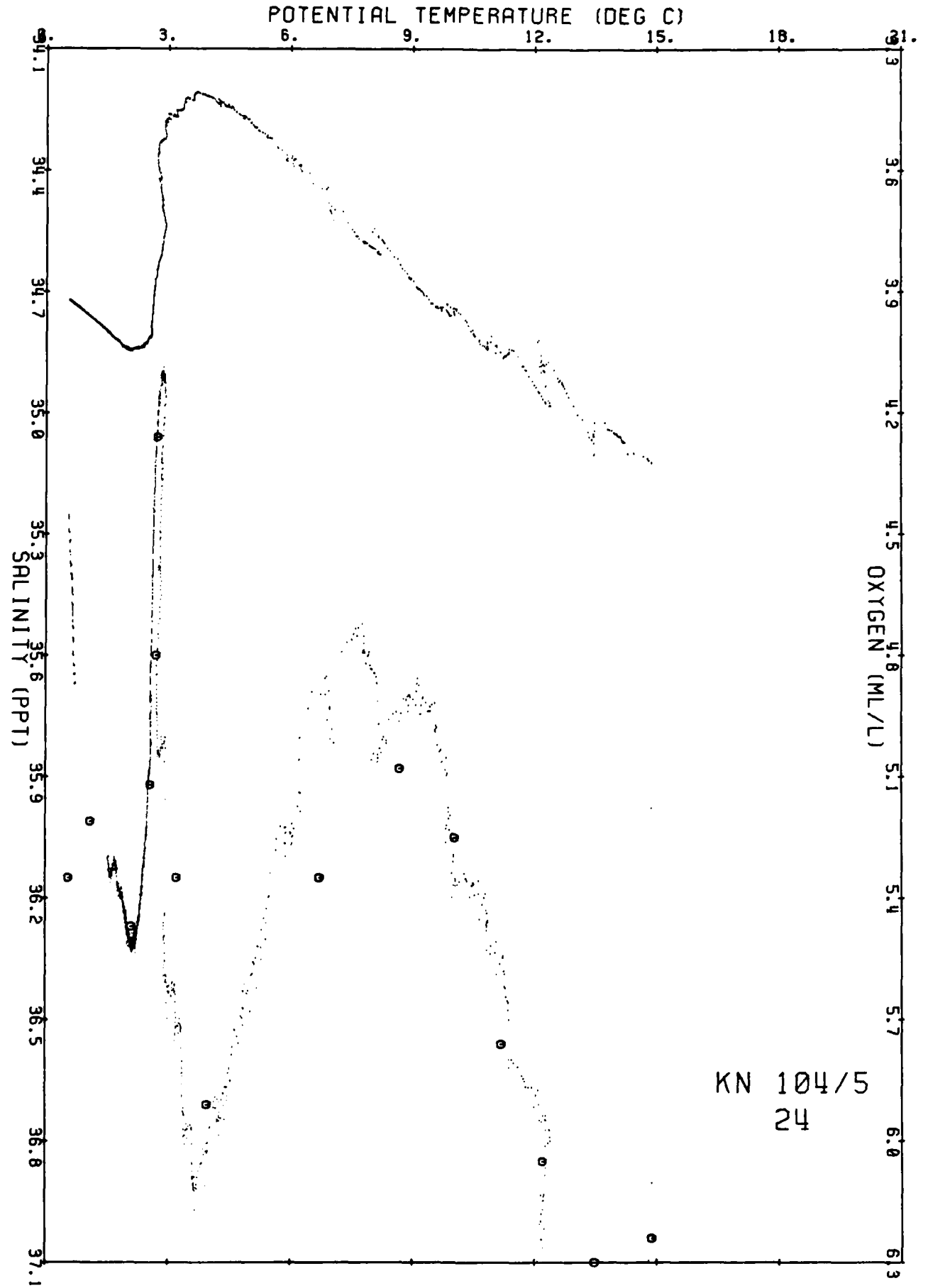

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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1600.
1800.
2000.
PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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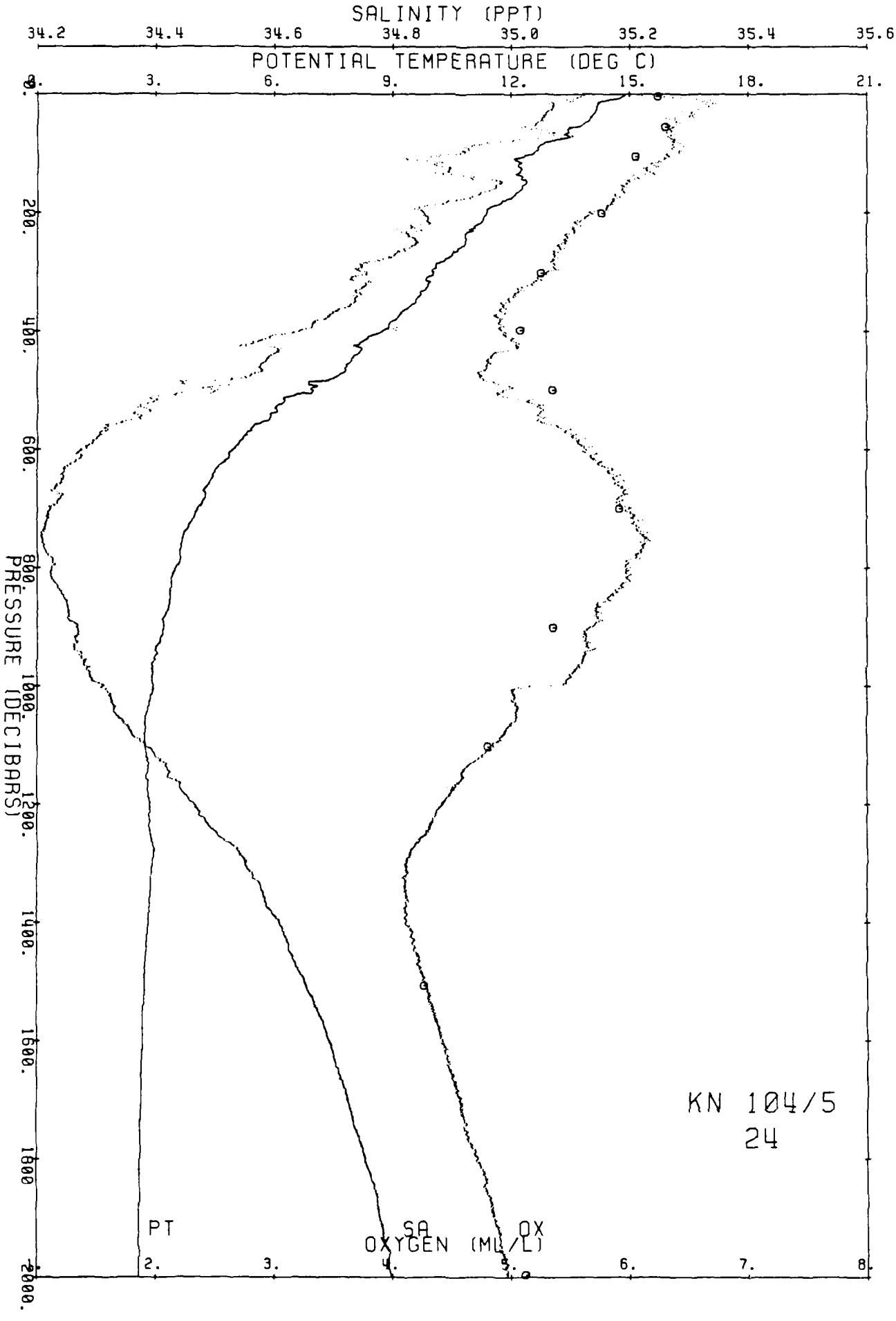
Ship KN Cruise 1045 Station 24 Cast 1 DT
Start 38 33.19 S 14 29.85 E at 1020 83/11/22
End 38 32.48 S 14 29.90 E at 1407

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	14.890	14.890	35.121	5.2	90.9	26.090	30.447	34.708	38.876	42.952	191.1	0.00	0.00	0.0
10	14.454	14.453	35.098	6.7	116.3	26.167	30.533	34.802	38.977	43.061	184.1	.02	4.92	10.0
20	14.186	14.184	35.070	6.7	115.4	26.203	30.574	34.848	39.028	43.117	181.0	.04	3.36	19.9
30	14.124	14.120	35.060	6.5	112.7	26.209	30.581	34.856	39.037	43.127	180.8	.06	1.35	29.9
40	14.016	14.011	35.052	6.4	110.0	26.226	30.600	34.877	39.060	43.152	179.5	.07	2.30	39.8
50	13.861	13.854	35.041	6.4	110.7	26.250	30.627	34.908	39.094	43.188	177.4	.09	2.77	49.8
60	13.458	13.450	35.051	6.3	108.1	26.342	30.726	35.014	39.207	43.309	169.0	.11	5.37	59.8
70	13.482	13.473	35.103	6.3	108.3	26.377	30.761	35.048	39.240	43.341	165.9	.13	3.33	69.7
80	12.978	12.968	34.982	6.4	107.3	26.386	30.781	35.078	39.280	43.390	165.3	.14	1.74	79.7
90	12.690	12.678	34.924	6.4	106.8	26.399	30.799	35.102	39.310	43.426	164.4	.16	2.03	89.6
100	12.596	12.583	34.913	6.4	107.4	26.409	30.812	35.116	39.326	43.444	163.6	.17	1.81	99.6
120	12.186	12.171	34.873	6.2	102.8	26.458	30.869	35.182	39.400	43.525	159.4	.21	2.80	119.5
140	12.294	12.276	34.931	6.1	100.8	26.483	30.892	35.202	39.418	43.541	157.7	.24	1.96	139.4
160	12.284	12.263	34.971	5.9	98.9	26.517	30.925	35.236	39.451	43.574	155.0	.27	2.29	159.3
180	11.831	11.808	34.893	5.9	96.5	26.543	30.961	35.281	39.506	43.637	152.9	.30	2.10	179.2
200	11.400	11.375	34.852	5.7	92.3	26.592	31.019	35.348	39.582	43.721	148.6	.33	2.82	199.1
220	11.195	11.168	34.848	5.6	90.3	26.627	31.059	35.392	39.629	43.773	145.7	.36	2.37	219.0
240	10.883	10.854	34.827	5.5	88.2	26.668	31.106	35.445	39.689	43.839	142.2	.39	2.57	238.9
260	10.690	10.659	34.829	5.5	87.5	26.704	31.146	35.490	39.737	43.891	139.2	.42	2.42	258.8
280	10.371	10.338	34.775	5.4	85.3	26.718	31.168	35.518	39.772	43.932	138.1	.44	1.60	278.7
300	10.057	10.022	34.752	5.3	84.0	26.755	31.211	35.568	39.829	43.995	134.9	.47	2.46	298.6
320	9.940	9.903	34.755	5.2	81.7	26.778	31.236	35.596	39.859	44.028	133.2	.50	1.91	318.5
340	9.714	9.675	34.739	5.0	79.1	26.804	31.267	35.632	39.900	44.073	131.0	.53	2.08	338.4
360	9.446	9.406	34.719	4.9	77.1	26.833	31.302	35.673	39.946	44.125	128.5	.55	2.21	358.3
380	9.140	9.099	34.688	4.9	76.3	26.858	31.335	35.712	39.992	44.177	126.3	.58	2.11	378.1
400	8.795	8.752	34.643	4.9	76.0	26.878	31.363	35.748	40.036	44.228	124.5	.60	1.90	398.0
450	7.989	7.944	34.586	4.8	72.3	26.957	31.461	35.864	40.169	44.378	117.2	.66	2.33	447.7
500	7.054	7.007	34.506	4.9	72.8	27.029	31.555	35.980	40.306	44.536	110.4	.72	2.27	497.4
550	5.938	5.890	34.374	5.2	75.1	27.072	31.626	36.078	40.431	44.686	105.7	.77	1.90	547.0
600	5.037	4.989	34.273	5.6	79.1	27.100	31.678	36.152	40.527	44.803	102.4	.83	1.61	596.7
650	4.466	4.417	34.243	5.9	81.3	27.140	31.732	36.222	40.610	44.900	98.3	.88	1.75	646.3
700	4.111	4.060	34.222	6.0	82.4	27.161	31.763	36.261	40.659	44.957	96.2	.92	1.31	695.9
750	3.746	3.693	34.208	6.1	83.6	27.187	31.799	36.307	40.713	45.020	93.5	.97	1.44	745.5
800	3.565	3.509	34.225	6.0	81.3	27.219	31.835	36.347	40.758	45.070	90.6	1.02	1.48	795.1
900	3.267	3.205	34.266	5.7	76.5	27.280	31.904	36.424	40.843	45.161	85.0	1.11	1.46	894.2
1000	3.014	2.946	34.312	5.2	69.0	27.341	31.971	36.498	40.922	45.247	79.5	1.19	1.44	993.3
1100	2.819	2.745	34.382	4.8	64.5	27.415	32.050	36.581	41.011	45.339	72.8	1.26	1.57	1092.3
1200	2.921	2.839	34.464	4.4	58.9	27.472	32.104	36.632	41.058	45.384	68.4	1.33	1.29	1191.3
1300	3.008	2.917	34.551	4.1	55.1	27.534	32.164	36.689	41.112	45.436	63.6	1.40	1.35	1290.2
1400	2.926	2.827	34.609	4.1	55.0	27.589	32.220	36.747	41.173	45.498	59.0	1.46	1.33	1389.1
1500	2.820	2.714	34.651	4.3	56.9	27.632	32.266	36.796	41.224	45.552	55.3	1.52	1.22	1487.9
1600	2.780	2.666	34.693	4.4	58.9	27.670	32.305	36.836	41.265	45.593	52.3	1.57	1.10	1586.7
1700	2.751	2.629	34.723	4.6	60.8	27.697	32.333	36.865	41.294	45.623	50.4	1.62	.94	1685.4
1800	2.739	2.608	34.754	4.7	62.8	27.724	32.360	36.892	41.322	45.651	48.5	1.67	.92	1784.1
1900	2.724	2.585	34.779	4.9	64.7	27.746	32.382	36.915	41.345	45.675	47.1	1.72	.84	1882.7
2000	2.737	2.589	34.798	5.0	66.3	27.761	32.397	36.929	41.359	45.688	46.5	1.77	.67	1981.3
2100	2.716	2.559	34.812	5.1	67.9	27.775	32.412	36.944	41.375	45.705	45.8	1.81	.69	2079.8
2200	2.665	2.500	34.820	5.2	69.1	27.786	32.425	36.959	42.391	45.722	45.1	1.86	.68	2178.3
2300	2.630	2.457	34.826	5.3	70.3	27.795	32.434	36.970	41.403	45.735	44.7	1.90	.58	2276.7
2400	2.593	2.410	34.834	5.3	71.0	27.805	32.446	36.982	41.416	45.750	44.2	1.95	.64	2375.1
2500	2.558	2.366	34.836	5.4	71.3	27.810	32.452	36.990	41.425	45.760	44.1	1.99	.50	2473.5
2600	2.495	2.296	34.839	5.4	72.1	27.819	32.463	37.002	41.439	45.776	43.6	2.04	.64	2571.8
2700	2.454	2.245	34.840	5.5	72.6	27.824	32.469	37.010	41.448	45.786	43.4	2.08	.51	2670.0
2800	2.414	2.196	34.840	5.5	72.7	27.828	32.474	37.017	41.456	45.795	43.4	2.12	.49	2768.3
2900	2.382	2.155	34.842	5.5	72.9	27.833	32.481	37.024	41.464	45.804	43.3	2.17	.50	2866.4
3000	2.350	2.114	34.841	5.5	72.6	27.835	32.484	37.029	41.470	45.811	43.3	2.21	.43	2964.5
3200	2.272	2.017	34.841	5.5	72.1	27.843	32.495	37.042	41.486	45.829	43.1	2.30	.50	3160.7
3400	2.182	1.908	34.835	5.4	71.0	27.847	32.502	37.052	41.499	45.845	43.1	2.38	.46	3356.6
3600	1.990	1.700	34.817	5.3	69.3	27.849	32.509	37.063	41.518	45.870	42.2	2.47	.58	3552.4
3800	1.710	1.407	34.790	5.3	68.6	27.849	32.518	37.082	41.543	45.902	40.5	2.55	.68	3748.0
4000	1.437	1.119	34.763	5.2	67.2	27.847	32.525	37.097	41.566	45.933	38.7	2.63	.68	3943.4
4200	1.227	.893	34.746	5.1	65.4	27.849	32.533	37.112	41.587	45.960	37.0	2.71	.65	4138.6
4400	1.098	.746	34.734	4.9	62.6	27.848	32.537	37.120	41.599	45.976	36.1	2.78	.52	4333.7
4600	1.023	.651	34.727	4.6	58.8	27.849	32.540	37.126	41.608	45.988	35.7	2.85	.44	4528.6
4735	.949	.564	34.720	4.5	56.7	27.848	32.542	37.131	41.615	45.997	35.2	2.90	.50	4660.0

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	14.878	14.877	35.136	6.24	3.6	0.40	2.2	0.06	0.20	26.105	30.462	34.723	38.891	42.967	3.5
14	14.428	14.426	35.123		4.5	0.37	2.2	0.08		26.192	30.558	34.827	39.003	43.087	13.4
30	14.231	14.227	35.106		4.8	0.36	2.8	0.08		26.222	30.591	34.864	39.044	43.131	29.8
55	13.485	13.477	35.115	6.30	3.8	0.45	4.1	0.17		26.386	30.769	35.056	39.248	43.349	54.8
105	12.217	12.203	34.901	6.05	4.9	0.61	7.0	0.27		26.474	30.884	35.196	39.413	43.538	104 4
151	12.295	12.275	34.977		4.5	0.66	8.8	0.03		26.519	30.927	35.237	39.453	43.575	149.5
201	11.216	11.191	34.818	5.76	5.5	0.85	10.3	0.02		26.600	31.031	35.364	39.601	43.744	199.7
252	10.848	10.817	34.834		6.9	0.99	13.8	0.01		26.680	31.119	35.459	39.703	43.853	250.2
302	10.081	10.046	34.764	5.25	8.6		16.1			26.760	31.216	35.573	39.833	43.998	299.4
398	8.745	8.702	34.637	5.08	9.7	1.44	21.6			26.881	31.368	35.754	40.042	44 235	394.1
499	6.772	6.726	34.428	5.35	11.7	1.75	26.2			27.006	31.539	35.971	40.304	44 541	494 6
600	5.150	5.101	34.290		13.1	1.98	22.5			27.101	31.675	36.147	40.519	44 792	594.0
700	4.007	3.956	34.218	5.91	17.5	2.08	31.2			27.169	31.773	36.274	40.674	44.975	693.6
801	3.513	3.457	34.224		22.4	2.20	32.8			27.223	31.840	36.354	40.767	45.079	793.4
901	3.276	3.214	34.276	5.35	29.0	2.34	33.6			27.288	31.911	36.431	40.849	45.167	892.0
1103	2.791	2.717	34.369	4.80	40.5	2.52	35.1			27.407	32.043	36.575	41.005	45.335	1091.5
1507	2.835	2.728	34.650	4.26	55.6	2.46	35.2			27.630	32.264	36.793	41.221	45.548	1490.1
1996	2.709	2.561	34.792	5.12	45.0	2.09	28.0			27.759	32.395	36.928	41.359	45 689	1971 9
2502	2.551	2.359	34.842		38.0	1.88	23.3			27.816	32.458	36.996	41.431	45.766	2468.1
3002	2.342	2.106	34.847	5.47	39.6	1.87	23.1			27.841	32.490	37.035	41.476	45 818	2958.4
3506	2.058	1.776	34.830		39.9	1.97	18.5			27.853	32.512	37.065	41.516	45.866	3450.9
4011	1.417	1.099	34.768	5.21	78.0	2.18	32.6			27.853	32.531	37.104	41.573	45.941	3943.8
4562	1.032	0.664	34.732		74.4	2.36	44.7			27.852	32.543	37.128	41.610	45 989	4479.7
4740	0.947	0.562	34.722	5.35	75.4	2.36	45.3			27.850	32.544	37 133	41.617	45.999	4652.7


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
PT
SA
OX
OXYGEN (ML/L)
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3.
4.
5.
6.
7.
8.
KN 104/5
24

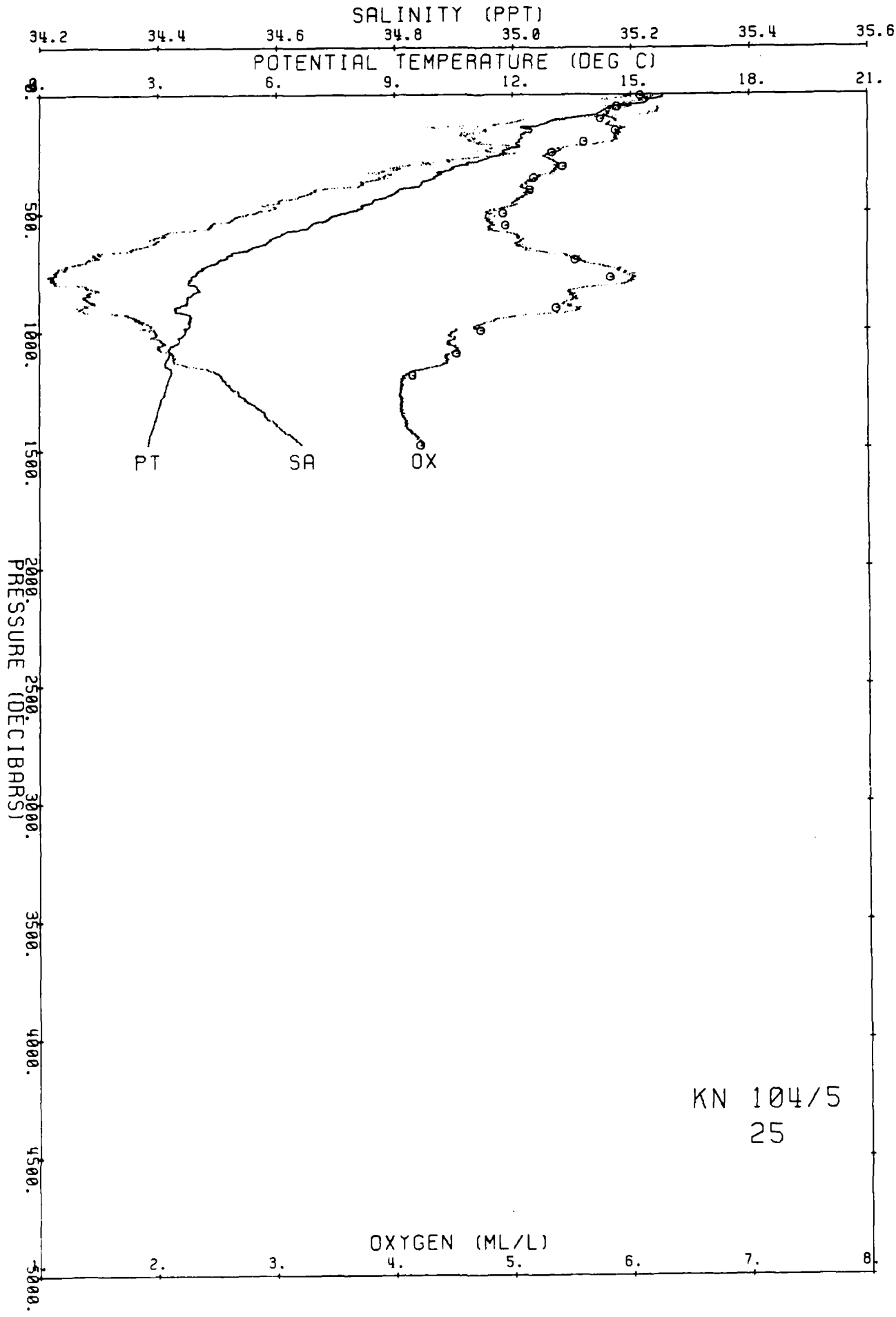

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
5.4
5.7
6.0
6.3
KN 104/5
24

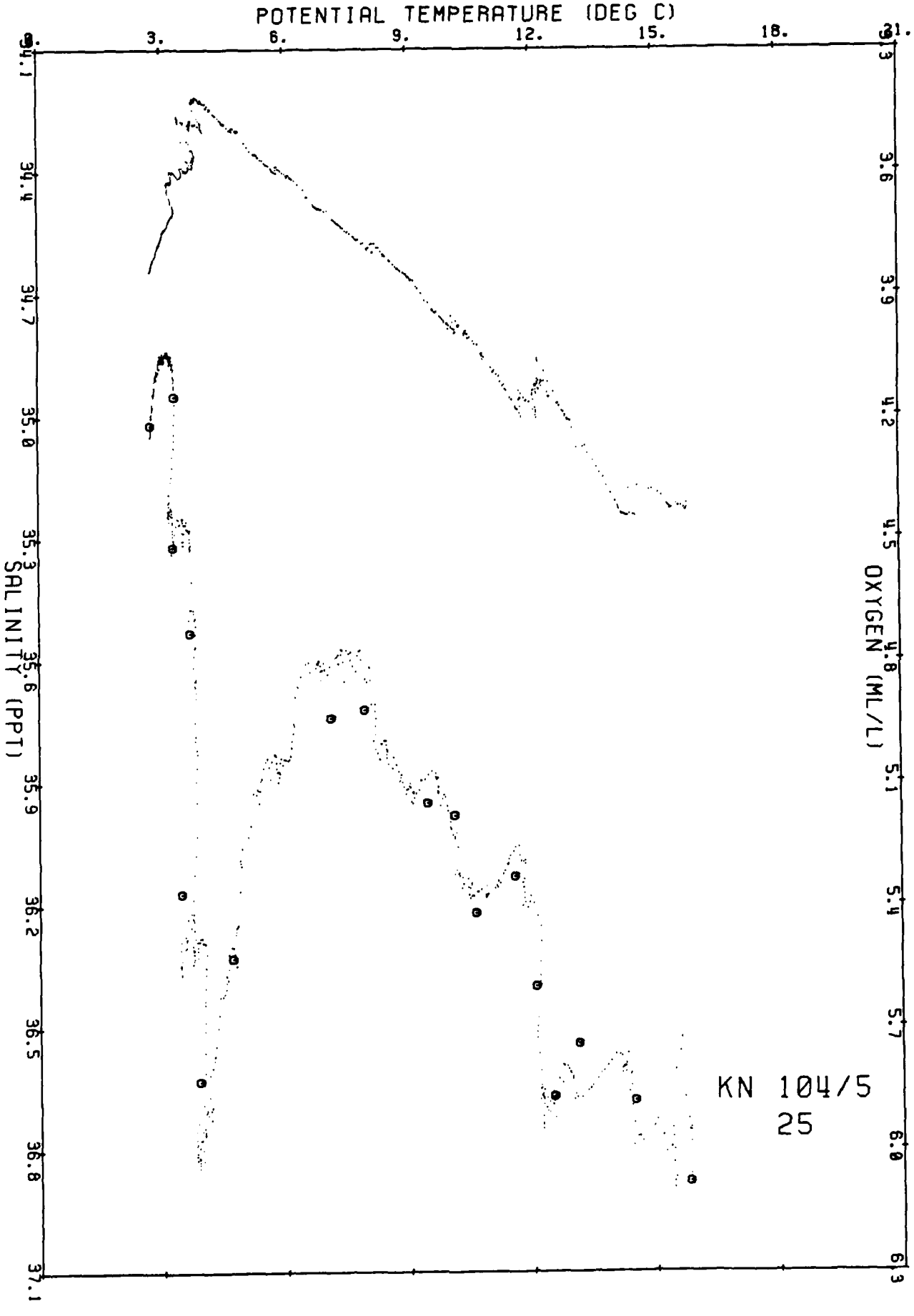

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
KN 104/5
24
PT
SA
OX
OXYGEN (ML/L)
2.
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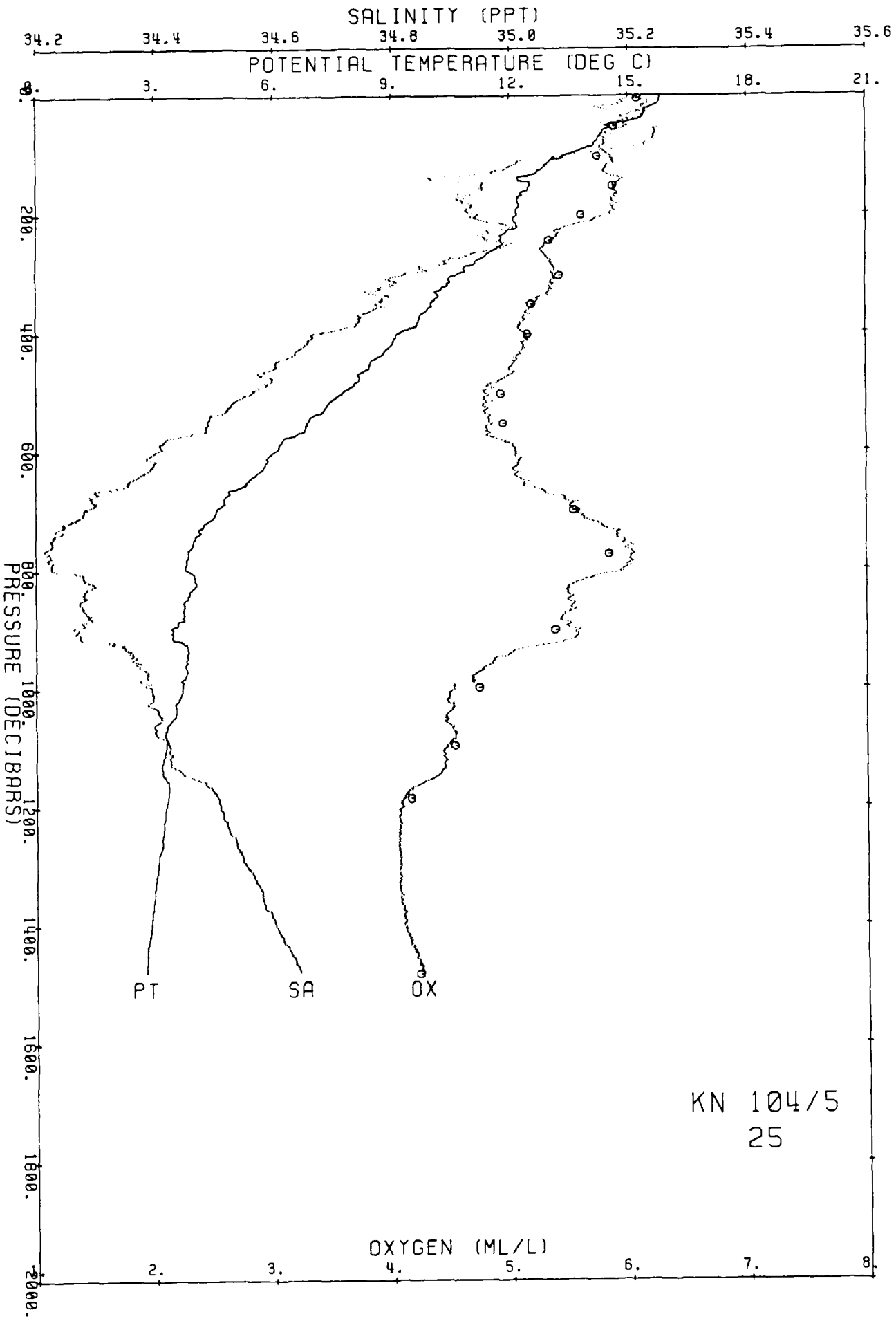
Ship KN Cruise 1045 Station 25 Cast 1 DT
Start 38 39.10 S 15 31.41 E at 1940 83/11/22
End 38 40.35 S 15 34.58 E at 2143

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	15.814	15.814	35.216	6.1	108.5	25.957	30.297	34.541	38.693	42.754	203.8	0.00	0.00	0.0
10	15.823	15.821	35.229	6.0	106.6	25.965	30.305	34.549	38.700	42.761	203.3	.02	1.61	10.0
20	15.562	15.559	35.219	5.8	102.6	26.017	30.362	34.610	38.766	42.831	198.7	.04	4.03	19.9
30	15.409	15.404	35.228	6.0	107.1	26.059	30.406	34.657	38.815	42.883	195.1	.06	3.62	29.9
40	15.225	15.219	35.198	6.0	106.2	26.077	30.428	34.683	38.844	42.915	193.7	.08	2.40	39.9
50	14.427	14.420	35.181	6.0	104.2	26.238	30.604	34.873	39.048	43.132	178.6	.10	7.13	49.8
60	14.370	14.362	35.246	5.8	101.6	26.301	30.667	34.937	39.113	43.197	173.0	.12	4.43	59.8
70	14.267	14.257	35.243	5.8	100.5	26.321	30.689	34.961	39.139	43.225	171.4	.13	2.52	69.7
80	14.168	14.156	35.229	5.8	100.6	26.332	30.702	34.975	39.155	43.243	170.7	.15	1.83	79.7
90	13.899	13.886	35.174	5.8	99.6	26.346	30.722	35.001	39.185	43.278	169.6	.17	2.17	89.7
100	13.432	13.418	35.093	5.8	99.6	26.381	30.766	35.054	39.247	43.349	166.5	.18	3.33	99.6
120	12.890	12.874	34.998	5.8	97.8	26.417	30.814	35.112	39.316	43.428	163.5	.22	2.44	119.5
140	12.233	12.214	34.867	5.9	98.7	26.445	30.855	35.168	39.385	43.509	161.2	.25	2.16	139.4
160	12.468	12.447	34.944	5.9	98.3	26.460	30.865	35.172	39.384	43.504	160.5	.28	1.46	159.3
180	12.233	12.209	34.921	5.9	98.5	26.488	30.898	35.210	39.427	43.551	158.3	.31	2.14	179.2
200	12.217	12.191	34.947	5.8	97.1	26.512	30.922	35.234	39.451	43.575	156.6	.34	1.92	199.2
220	12.213	12.184	35.006	5.5	91.2	26.559	30.969	35.281	39.497	43.621	152.7	.38	2.71	219.1
240	11.810	11.779	34.959	5.4	88.4	26.600	31.018	35.338	39.563	43.695	149.1	.41	2.59	239.0
260	11.624	11.591	34.961	5.3	86.2	26.637	31.059	35.383	39.611	43.746	146.1	.44	2.44	258.8
280	11.167	11.132	34.891	5.4	86.9	26.667	31.099	35.433	39.670	43.814	143.5	.46	2.27	278.7
300	10.708	10.672	34.825	5.4	86.2	26.699	31.141	35.484	39.731	43.884	140.7	.49	2.32	298.6
320	10.458	10.420	34.799	5.3	85.2	26.723	31.170	35.519	39.771	43.929	138.7	.52	2.01	318.5
340	10.182	10.142	34.786	5.2	82.9	26.761	31.214	35.569	39.827	43.990	135.4	.55	2.50	338.4
360	9.957	9.915	34.769	5.2	81.5	26.786	31.245	35.604	39.867	44.035	133.3	.58	2.07	358.3
380	9.738	9.695	34.747	5.1	80.0	26.806	31.270	35.634	39.901	44.074	131.7	.60	1.85	378.2
400	9.227	9.183	34.669	5.1	79.6	26.830	31.305	35.680	39.959	44.142	129.5	.63	2.09	398.0
450	8.508	8.461	34.604	5.0	76.8	26.893	31.385	35.777	40.070	44.269	123.8	.69	2.10	447.7
500	7.802	7.752	34.562	4.8	71.9	26.967	31.475	35.883	40.192	44.406	117.1	.75	2.26	497.4
550	6.921	6.869	34.490	4.8	71.0	27.035	31.565	35.993	40.322	44.555	110.4	.81	2.23	547.1
600	6.062	6.009	34.401	5.0	72.7	27.078	31.629	36.078	40.428	44.680	105.9	.86	1.86	596.7
650	5.410	5.356	34.356	5.1	73.1	27.123	31.691	36.156	40.521	44.788	103.4	.91	1.86	646.3
700	4.615	4.560	34.281	5.6	77.7	27.155	31.743	36.228	40.613	44.899	97.7	.96	1.69	695.9
750	4.054	3.998	34.229	6.0	81.8	27.173	31.776	36.276	40.675	44.975	95.4	1.01	1.35	745.5
800	3.895	3.837	34.246	5.9	81.1	27.203	31.810	36.314	40.717	45.020	92.8	1.06	1.44	795.1
900	3.532	3.469	34.272	5.6	75.6	27.260	31.877	36.390	40.802	45.114	87.5	1.15	1.43	894.3
1000	3.770	3.696	34.396	4.5	61.7	27.337	31.946	36.453	40.858	45.163	81.8	1.23	1.48	993.3
1100	3.354	3.276	34.426	4.4	60.0	27.401	32.022	36.539	40.954	45.270	75.5	1.31	1.54	1092.4
1200	3.360	3.274	34.510	4.1	55.1	27.469	32.089	36.605	41.020	45.335	70.1	1.39	1.44	1191.3
1300	3.153	3.060	34.554	4.1	54.5	27.524	32.149	36.671	41.090	45.410	65.1	1.45	1.39	1290.3
1400	2.995	2.896	34.602	4.1	54.8	27.577	32.206	36.732	41.156	45.479	60.4	1.52	1.35	1389.1
1479	2.860	2.756	34.643	4.2	56.7	27.622	32.255	36.784	41.211	45.538	56.2	1.56	1.41	1467.2

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	15.797	15.796	35.242	6.08	4.4	0.34	2.6	0.03	0.20	25.981	30.321	34.566	38.717	42.778	4.3
13	15.748	15.746	35.236		4.7	0.30	2.8	0.03		25.988	30.329	34.574	38.727	42.789	12.8
27	15.400	15.396	35.230		5.4	0.30	3.2	0.04		26.062	30.410	34.661	38.819	42.887	26.7
51	14.473	14.465	35.240	5.88	5.4	0.44	3.2	0.43		26.274	30.639	34.906	39.080	43.163	50.6
102	13.112	13.098	35.044	5.74	5.7	0.59	3.4	0.03		26.408	30.799	35.094	39.293	43.401	101.3
152	12.512	12.492	34.973	5.87	5.5	0.62	3.3	0.03		26.474	30.877	35.184	39.395	43.514	150.5
201	12.078	12.052	34.955	5.60	4.5	0.76	2.7	0.02		26.545	30.958	35.273	39.492	43.619	199.6
244	11.581	11.550	34.953	5.33	4.7	0.88	2.8	0.01		26.638	31.061	35.386	39.615	43.751	241.7
303	10.637	10.600	34.818	5.42	4.0		2.4	0.01		26.706	31.149	35.494	39.743	43.897	300.0
351	10.134	10.093	34.799	5.18	7.6	1.18	4.6			26.780	31.234	35.589	39.848	44.013	348.4
401	9.475	9.430	34.722	5.15	7.1	1.32	4.2			26.831	31.300	35.670	39.943	44.121	397.7
502	7.972	7.921	34.574	4.92	12.5	1.67	7.5			26.951	31.456	35.859	40.165	44.375	497.2
552	7.161	7.108	34.509	4.94	14.4	1.82	8.6			27.017	31.541	35.964	40.288	44.515	546.5
601	6.226	6.172	34.420		16.2	1.95	9.7			27.073	31.619	36.064	40.410	44.658	595.4
699	4.747	4.692	34.299	5.53	19.5	2.10	11.7			27.155	31.739	36.221	40.603	44.885	692.5
773	3.932	3.876	34.228	5.83	16.7	2.15	10.0			27.185	31.791	36.294	40.696	44.999	765.6
800	3.901	3.843	34.237		21.2	2.20	12.7			27.195	31.802	36.306	40.709	45.012	792.1
901	3.519	3.455	34.274	5.37	26.7	2.32	16.0			27.263	31.880	36.394	40.806	45.118	892.1
998	3.753	3.680	34.387	4.73	34.8	2.46	20.9			27.331	31.941	36.448	40.854	45.160	987.6
1095	3.366	3.288	34.424	4.52	37.0	2.56	22.2			27.399	32.019	36.536	40.951	45.266	1084.1
1185	3.409	3.323	34.502	4.15	47.3	2.61	28.4		0.47	27.458	32.076	36.591	41.005	45.319	1172.5
1294	3.158	3.065	34.547		49.5	2.58	29.7			27.518	32.143	36.664	41.084	45.404	1279.8
1394	2.989	2.890	34.601		49.8	2.59	29.9			27.577	32.206	36.732	41.156	45.479	1378.3
1482	2.858	2.753	34.641	4.22	52.9	2.50	31.8			27.621	32.254	36.783	41.210	45.536	1465.7


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
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35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
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18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
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OXYGEN (ML/L)
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KN 104/5
25

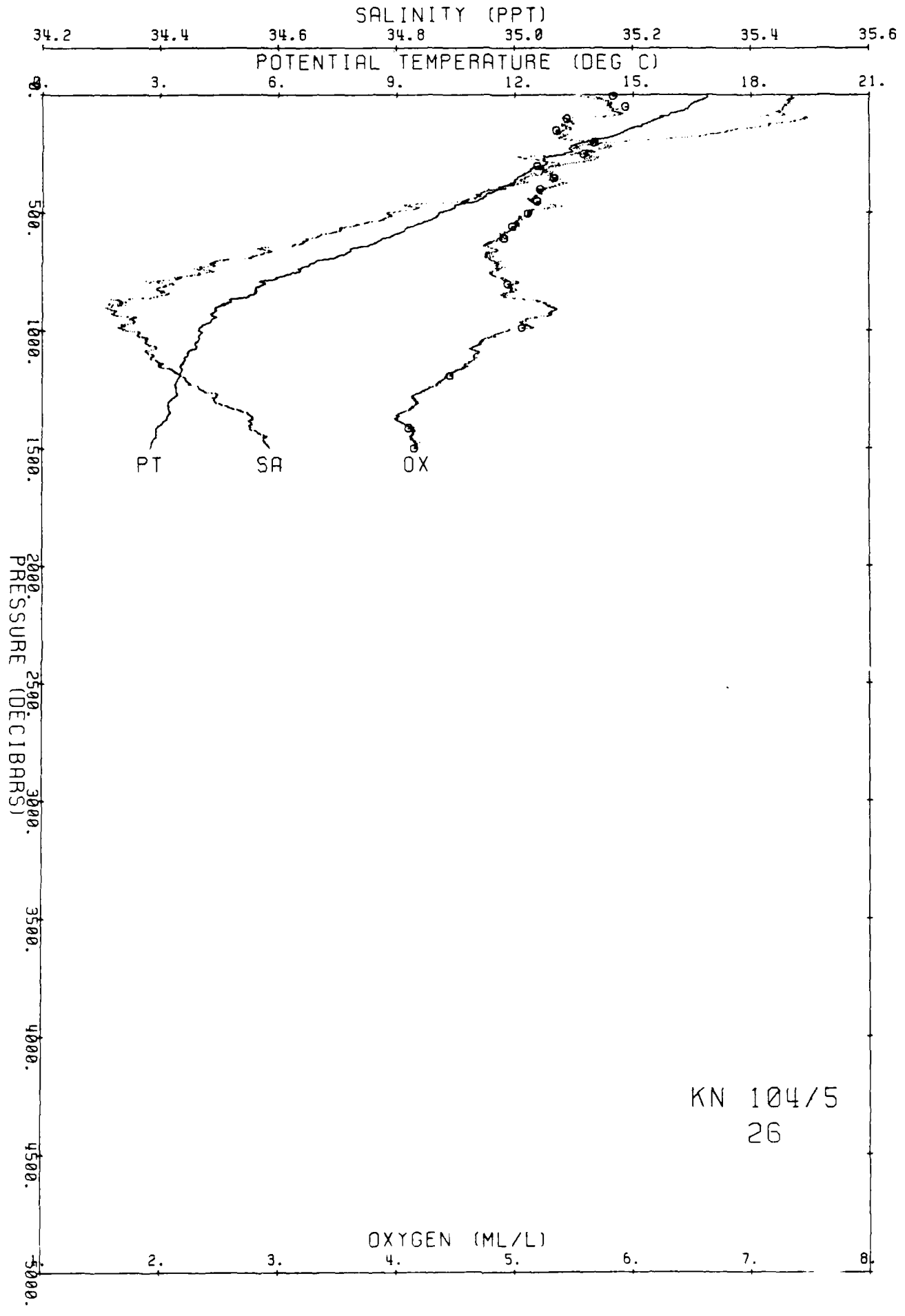

POTENTIAL TEMPERATURE (DEG C)
0.
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SALINITY (PPT)
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34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
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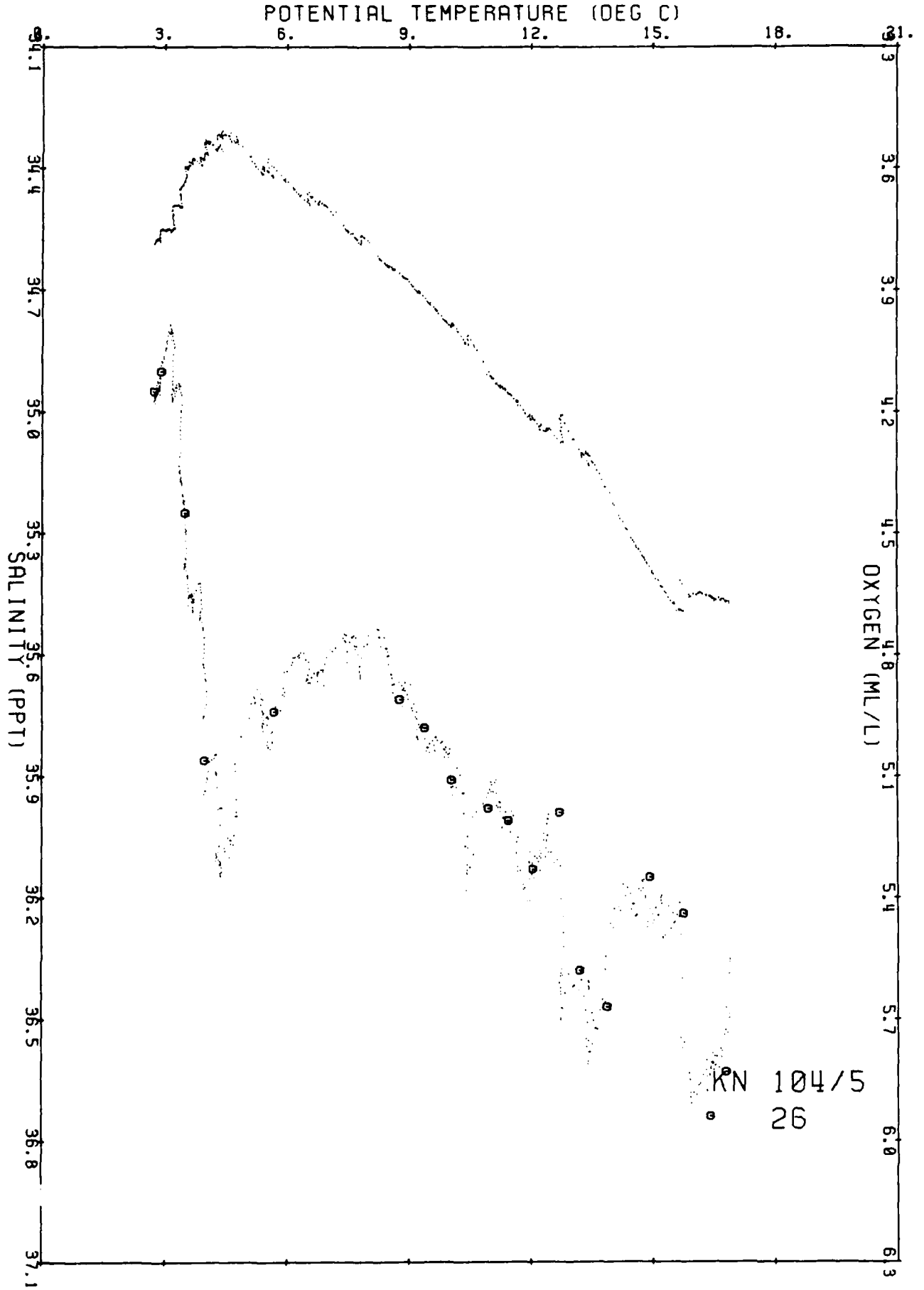

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
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18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PT
SA
OX
KN 104/5
25
OXYGEN (ML/L)
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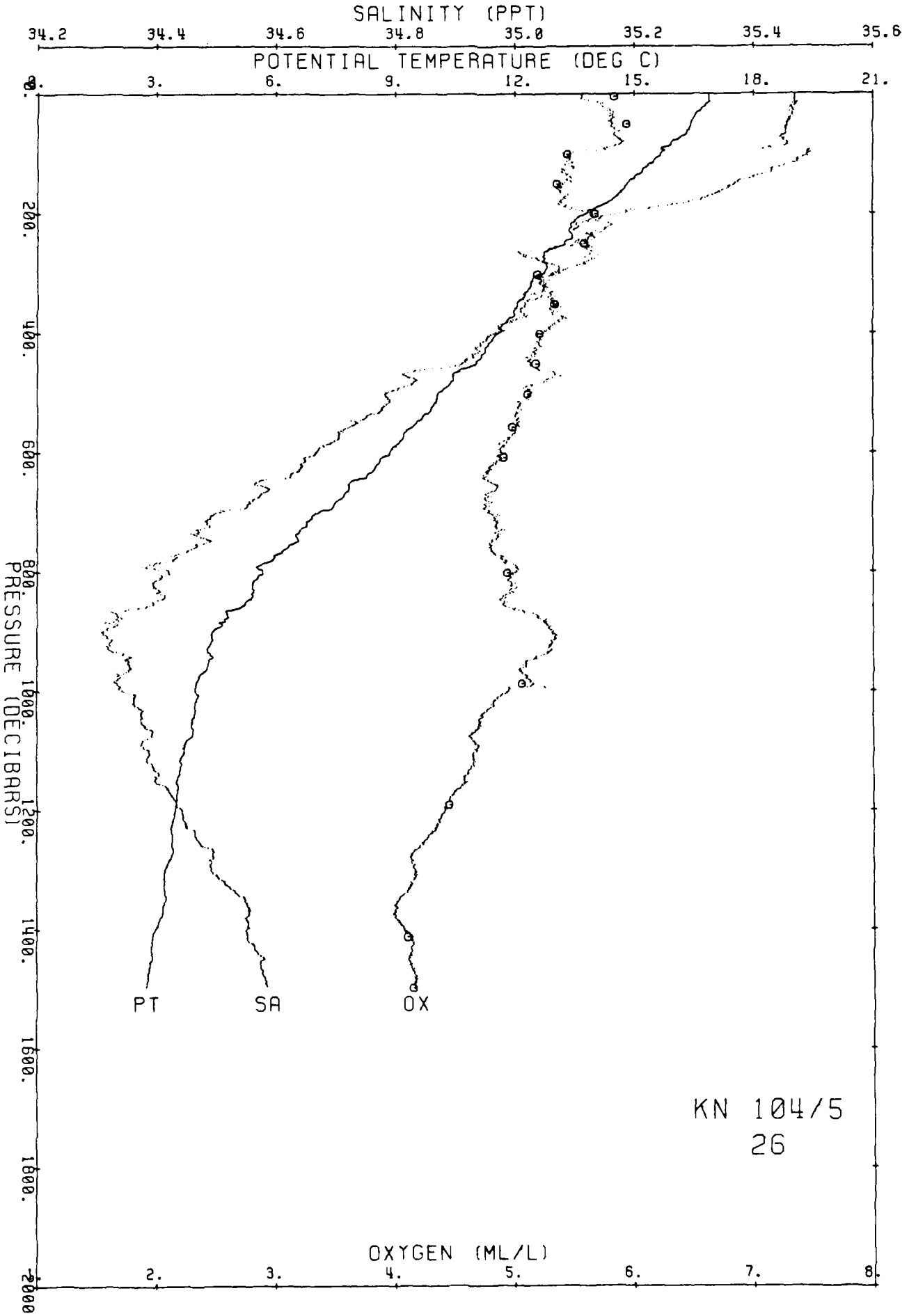
Ship KN Cruise 1045 Station 28 Cast 1 DT
Start 38 45.94 S 16 30.26 E at 223 83/11/23
End 38 47.19 S 16 32.32 E at 407

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	16.882	16.882	35.469	5.6	101.7	25.903	30.223	34.448	38.580	42.623	208.9	0.00	0.00	0.0
10	16.886	16.884	35.469	5.6	102.3	25.903	30.223	34.447	38.579	42.622	209.3	02	42	10.0
20	16.792	16.789	35.468	5.7	104.6	25.925	30.246	34.472	38.606	42.650	207.5	.04	2.62	19.9
30	16.632	16.627	35.460	5.8	106.0	25.957	30.281	34.510	38.646	42.693	204.8	.06	3.18	29.9
40	16.507	16.501	35.461	5.8	105.8	25.987	30.314	34.545	38.683	42.732	202.3	.08	3.09	39.9
50	16.448	16.440	35.457	5.8	105.7	25.998	30.326	34.558	38.697	42.747	201.6	.10	1.86	49.8
60	16.414	16.404	35.456	5.8	105.9	26.006	30.334	34.567	38.707	42.757	201.2	.12	1.55	59.8
70	16.250	16.239	35.450	5.8	105.5	26.040	30.371	34.606	38.749	42.802	198.3	.14	3.26	69.7
80	15.960	15.948	35.456	5.9	106.2	26.111	30.447	34.688	38.835	42.893	191.8	.16	4.76	79.7
90	15.752	15.738	35.426	5.8	103.3	26.136	30.476	34.720	38.871	42.932	189.8	.18	2.80	89.7
100	15.690	15.674	35.491	5.4	96.8	26.201	30.541	34.786	38.938	43.000	184.0	.20	4.50	99.6
120	15.361	15.342	35.448	5.4	96.7	26.242	30.589	34.840	38.998	43.065	180.7	.24	2.57	119.5
140	15.028	15.007	35.398	5.5	96.4	26.278	30.632	34.889	39.052	43.125	177.8	.27	2.40	139.5
160	14.777	14.753	35.356	5.4	94.1	26.301	30.660	34.921	39.090	43.167	176.2	.31	1.93	159.4
180	14.415	14.389	35.292	5.4	93.6	26.331	30.696	34.965	39.140	43.224	173.9	.34	2.19	179.3
200	13.866	13.837	35.186	5.7	97.3	26.366	30.742	35.022	39.207	43.301	171.0	.38	2.41	199.2
220	13.440	13.410	35.103	5.8	99.0	26.390	30.775	35.063	39.257	43.359	169.2	.41	2.03	219.1
240	13.478	13.445	35.132	5.6	95.9	26.405	30.790	35.077	39.270	43.371	168.3	.45	1.53	239.0
260	12.992	12.957	35.049	5.6	94.3	26.440	30.834	35.131	39.334	43.444	165.4	.48	2.42	258.9
280	12.796	12.758	35.047	5.6	94.5	26.478	30.876	35.177	39.383	43.496	162.2	.51	2.47	278.8
300	12.784	12.743	35.077	5.3	89.5	26.505	30.903	35.204	39.409	43.523	160.3	.54	2.03	298.7
320	12.458	12.415	35.047	5.2	87.6	26.546	30.951	35.258	39.470	43.590	156.8	.58	2.61	318.6
340	12.281	12.236	35.043	5.3	87.9	26.578	30.986	35.297	39.512	43.635	154.2	.61	2.27	338.5
360	12.049	12.002	35.009	5.3	87.5	26.596	31.010	35.325	39.545	43.673	152.8	.64	1.79	358.4
380	11.878	11.828	34.995	5.4	88.5	26.619	31.035	35.354	39.578	43.709	151.1	.67	1.92	378.2
400	11.652	11.600	34.968	5.2	85.3	26.640	31.062	35.386	39.614	43.749	149.4	.70	1.93	398.1
450	11.098	11.042	34.914	5.1	83.3	26.701	31.135	35.470	39.709	43.855	144.4	.77	2.03	447.8
500	10.158	10.099	34.787	5.1	81.6	26.769	31.224	35.579	39.838	44.002	138.3	.84	2.20	497.5
550	9.594	9.531	34.737	5.0	78.6	26.826	31.293	35.660	39.931	44.107	133.4	.91	1.99	547.2
600	8.937	8.871	34.668	4.9	75.4	26.879	31.361	35.743	40.028	44.218	128.6	.98	1.97	596.8
650	7.937	7.870	34.567	4.8	72.5	26.953	31.459	35.864	40.171	44.381	121.2	1.04	2.36	646.5
700	7.144	7.076	34.507	4.8	70.8	27.020	31.545	35.968	40.293	44.521	114.6	1.10	2.23	696.1
750	6.573	6.503	34.483	4.8	70.2	27.079	31.617	36.054	40.392	44.632	108.9	1.15	2.07	745.7
800	5.742	5.673	34.420	5.0	71.7	27.135	31.694	36.152	40.509	44.768	102.8	1.21	2.13	795.3
900	4.484	4.413	34.308	5.3	73.9	27.192	31.784	36.273	40.661	44.950	96.0	1.30	1.62	894.4
1000	4.063	3.987	34.346	4.9	68.0	27.267	31.870	36.369	40.767	45.066	89.0	1.40	1.63	993.5
1100	3.787	3.705	34.387	4.7	63.9	27.329	31.938	36.444	40.849	45.155	83.5	1.48	1.46	1092.5
1200	3.549	3.461	34.441	4.4	59.8	27.396	32.011	36.523	40.934	45.245	77.4	1.56	1.52	1191.5
1300	3.316	3.222	34.491	4.2	56.2	27.458	32.080	36.598	41.014	45.330	71.7	1.64	1.48	1290.5
1400	3.072	2.972	34.551	4.1	54.7	27.529	32.157	36.681	41.103	45.425	65.0	1.71	1.57	1389.3
1497	2.862	2.756	34.586	4.2	55.7	27.577	32.210	36.739	41.167	45.494	60.6	1.77	1.33	1485.2

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	16.795	16.794	35.481	5.83	4.2	0.18	0.9	0.01	0.62	25.933	30.255	34.481	38.614	42.658	4.7
12	16.796	16.794	35.479		4.8	0.18	1.2		0.52	25.932	30.253	34.479	38.613	42.657	12.2
26	16.744	16.740	35.477		2.7	0.18	0.8		0.88	25.943	30.265	34.492	38.627	42.672	26.1
51	16.411	16.403	35.462	5.94	4.7	0.20	1.0	0.01	0.70	26.011	30.339	34.572	38.712	42.762	51.0
101	15.768	15.752	35.507	5.44	5.4	0.35	4.8	0.04	0.82	26.195	30.535	34.778	38.928	42.989	100.6
151	14.954	14.931	35.388	5.35	5.3	0.44	5.7	0.02	0.20	26.287	30.642	34.900	39.066	43.140	150.1
201	13.902	13.873	35.198	5.67	4.9	0.44	4.7	0.04		26.368	30.743	35.022	39.207	43.300	199.4
251	13.248	13.213	35.101	5.58	4.6	0.58	7.1	0.03		26.429	30.818	35.109	39.307	43.412	249.3
302	12.757	12.716	35.073	5.19	5.3	0.73	10.4	0.01		26.507	30.906	35.207	39.413	43.528	299.5
352	12.109	12.062	35.026	5.33	6.5	0.80	11.4			26.598	31.010	35.324	39.543	43.669	349.4
402	11.518	11.467	34.956	5.21	8.0	0.96	12.9			26.656	31.081	35.407	39.638	43.775	398.0
452	11.018	10.962	34.891	5.18	6.9	1.03	14.3		0.34	26.698	31.134	35.470	39.711	43.859	447.7
502	10.132	10.073	34.795	5.11	5.0	1.19	10.1		0.34	26.780	31.235	35.591	39.850	44.015	497.9
558	9.462	9.399	34.729	4.98	8.4	1.35	18.7		0.59	26.842	31.312	35.682	39.955	44.134	552.7
608	8.860	8.793	34.667	4.91	9.3	1.49	17.2			26.891	31.374	35.758	40.045	44.236	602.8
707	7.223	7.154	34.525		14.6	1.77	22.8			27.024	31.546	35.967	40.290	44.516	700.7
803	5.767	5.697	34.425	4.94	20.3	2.06	26.3		0.60	27.136	31.695	36.151	40.508	44.767	794.8
894	4.524	4.454	34.311		15.4		18.9			27.190	31.781	36.269	40.656	44.944	885.3
988	4.060	3.985	34.340	5.06	26.1		31.5		0.58	27.263	31.865	36.365	40.763	45.062	978.2
1091	3.794	3.713	34.381		24.7	2.48	24.1			27.323	31.932	36.439	40.843	45.149	1079.4
1191	3.595	3.507	34.433	4.45	40.3	2.55	34.3			27.385	31.999	36.510	40.920	45.229	1178.4
1295	3.392	3.297	34.493		37.9	2.58	26.6		0.91	27.453	32.072	36.588	41.002	45.317	1280.8
1413	3.024	2.923	34.551	4.10	49.0	2.58	32.8			27.534	32.163	36.688	41.111	45.435	1397.2
1499	2.855	2.749	34.588	4.15	52.1	2.55	33.7		0.67	27.579	32.212	36.742	41.169	45.497	1482.4


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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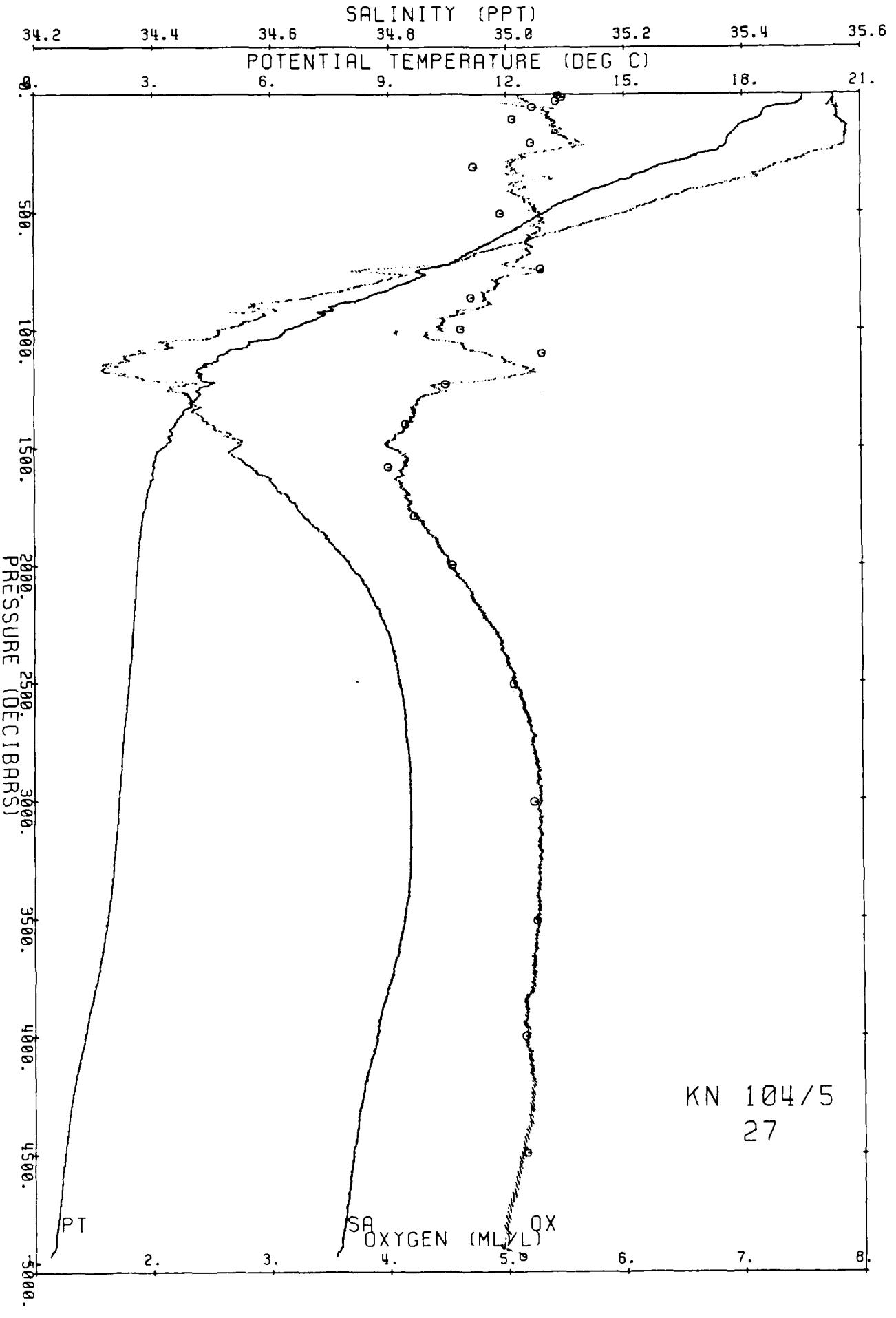

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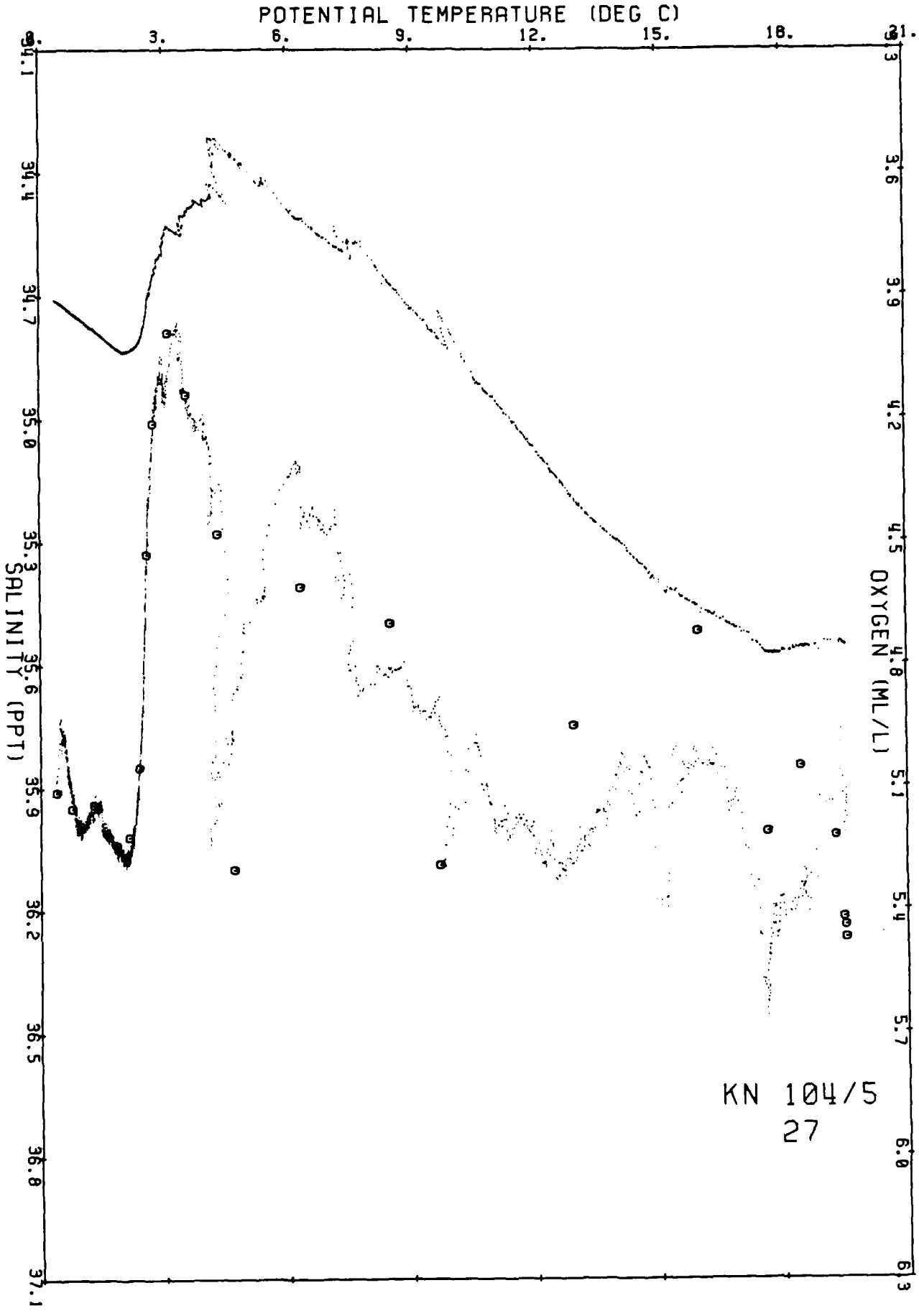

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POTENTIAL TEMPERATURE (DEG C)
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1600.
1800.
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PRESSURE (DECIBARS)
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KN 104/5
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OXYGEN (ML/L)
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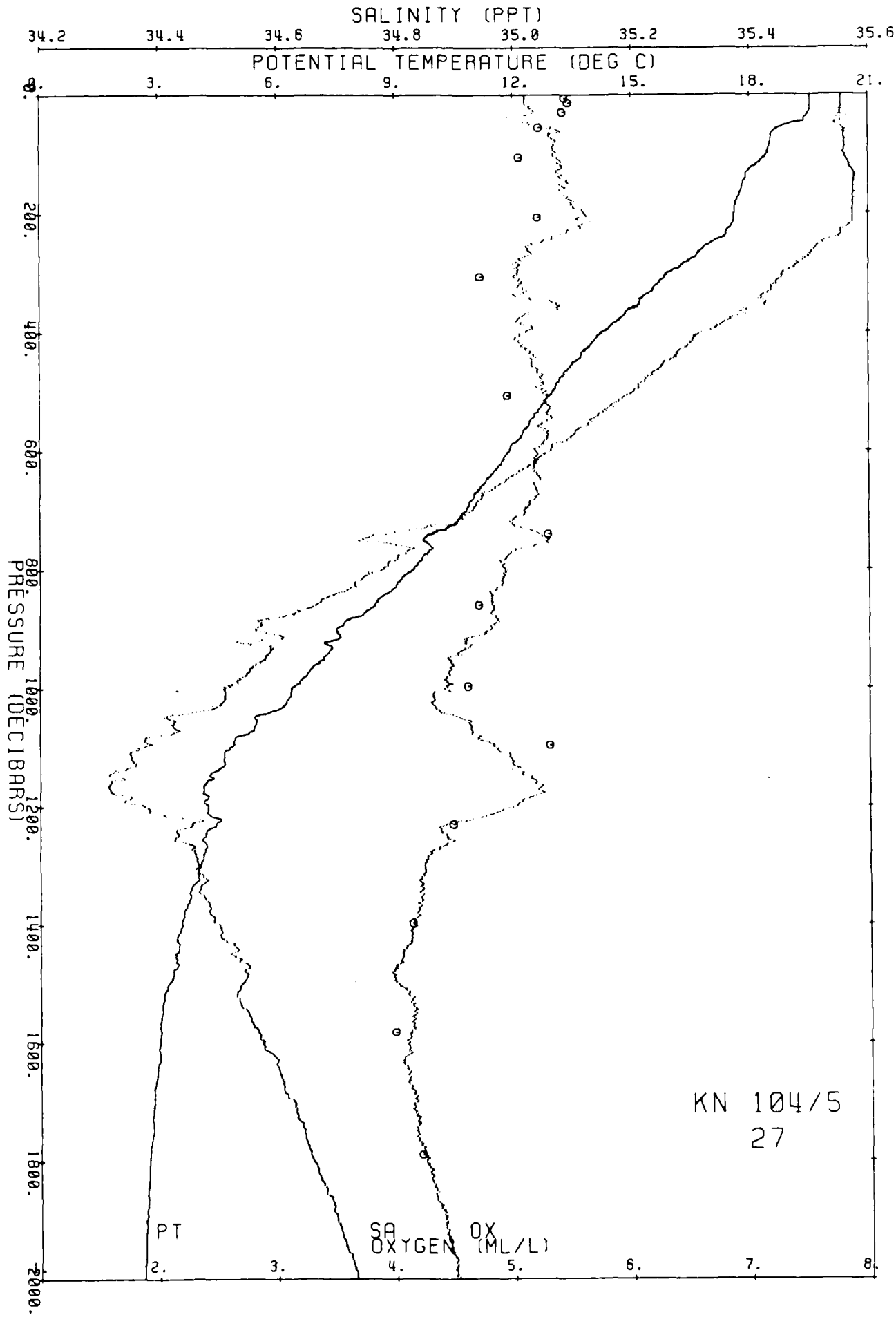
Ship KN Cruise 1045 Station 27 Cast 1 DT
Start 38 51.00 S 17 30.83 E at 844 83/11/23
End 38 52.67 S 17 30.48 E at 1257

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	19.536	19.536	35.555	5.1	98.4	25.308	29.584	33.766	37.857	41.859	265.5	0.00	0.00	0.0
10	19.536	19.535	35.555	5.1	98.4	25.309	29.584	33.766	37.857	41.860	265.8	.03	.39	10.0
20	19.526	19.522	35.556	5.1	99.0	25.313	29.589	33.771	37.862	41.865	265.8	.05	1.12	19.9
30	19.505	19.500	35.553	5.2	99.4	25.316	29.593	33.775	37.866	41.870	265.9	.08	1.07	29.9
40	19.384	19.377	35.553	5.0	95.9	25.348	29.626	33.811	37.904	41.909	263.2	.11	3.16	39.9
50	19.035	19.026	35.545	5.1	98.1	25.432	29.716	33.906	38.005	42.015	255.6	.13	5.16	49.9
60	18.653	18.642	35.562	5.4	101.9	25.543	29.833	34.029	38.133	42.148	245.4	.16	5.90	59.8
70	18.558	18.546	35.559	5.3	100.4	25.565	29.856	34.054	38.159	42.176	243.7	.18	2.63	69.8
80	18.543	18.529	35.559	5.4	101.4	25.569	29.861	34.058	38.164	42.182	243.7	.21	1.15	79.8
90	18.511	18.496	35.560	5.3	101.0	25.578	29.871	34.069	38.175	42.193	243.2	.23	1.71	89.7
100	18.464	18.446	35.559	5.3	100.8	25.590	29.883	34.082	38.189	42.208	242.4	.25	1.91	99.7
120	18.205	18.185	35.567	5.4	101.6	25.662	29.959	34.162	38.273	42.295	236.3	.30	3.36	119.6
140	17.918	17.894	35.577	5.4	100.9	25.741	30.043	34.251	38.366	42.393	229.5	.35	3.55	139.5
160	17.823	17.796	35.574	5.4	100.6	25.763	30.067	34.276	38.393	42.421	228.1	.39	1.87	159.5
180	17.698	17.667	35.575	5.5	102.6	25.795	30.101	34.312	38.431	42.461	225.7	.44	2.26	179.4
200	17.661	17.627	35.573	5.6	104.3	25.804	30.110	34.322	38.442	42.472	225.7	.49	1.15	199.3
220	17.591	17.554	35.568	5.6	103.7	25.818	30.125	34.338	38.459	42.491	225.1	.53	1.49	219.2
240	17.424	17.383	35.550	5.3	98.6	25.845	30.156	34.372	38.496	42.530	223.1	.58	2.11	239.1
260	16.877	16.835	35.509	5.1	93.9	25.945	30.266	34.491	38.624	42.667	214.1	.62	4.01	259.0
280	16.467	16.422	35.489	5.1	92.1	26.027	30.355	34.587	38.726	42.776	206.9	.66	3.62	278.9
300	15.996	15.949	35.458	5.0	90.6	26.113	30.449	34.689	38.837	42.894	199.2	.70	3.71	298.8
320	15.711	15.661	35.444	5.1	90.4	26.167	30.509	34.754	38.906	42.968	194.5	.74	2.97	318.7
340	15.370	15.317	35.418	5.0	89.3	26.225	30.572	34.824	38.982	43.050	189.6	.78	3.05	338.6
360	15.095	15.040	35.397	5.4	95.0	26.270	30.623	34.879	39.042	43.115	185.8	.82	2.72	358.5
380	14.738	14.681	35.366	5.0	88.4	26.325	30.684	34.947	39.117	43.195	181.0	.85	2.99	378.4
400	14.305	14.246	35.319	5.1	88.8	26.382	30.750	35.021	39.199	43.285	175.9	.89	3.08	398.3
450	13.594	13.530	35.257	5.2	88.3	26.485	30.866	35.151	39.342	43.440	167.1	.98	2.60	448.0
500	13.077	13.008	35.204	5.3	89.3	26.550	30.942	35.237	39.437	43.546	161.9	1.06	2.10	497.7
550	12.499	12.425	35.133	5.2	87.6	26.611	31.015	35.321	39.533	43.652	157.0	1.14	2.05	547.4
600	12.001	11.922	35.064	5.2	85.9	26.654	31.069	35.386	39.607	43.735	153.7	1.21	1.76	597.1
650	11.391	11.307	34.988	5.2	84.9	26.711	31.138	35.467	39.701	43.841	148.9	1.29	2.01	646.7
700	10.900	10.813	34.930	5.1	82.1	26.755	31.194	35.533	39.777	43.927	145.3	1.36	1.80	696.4
750	9.785	9.697	34.738	5.3	83.2	26.799	31.262	35.626	39.894	44.066	140.6	1.44	1.97	746.0
800	9.557	9.465	34.777	4.9	77.1	26.868	31.336	35.705	39.977	44.154	134.8	1.50	2.13	795.6
900	7.605	7.513	34.564	4.8	72.0	27.003	31.517	35.930	40.244	44.463	120.4	1.63	2.33	894.8
1000	6.455	6.361	34.512	4.4	64.3	27.121	31.662	36.102	40.443	44.686	108.5	1.75	2.12	993.9
1100	4.892	4.801	34.366	4.8	68.0	27.196	31.777	36.256	40.634	44.914	98.9	1.85	1.91	1092.9
1200	4.339	4.243	34.377	5.0	69.4	27.265	31.861	36.353	40.745	45.038	91.9	1.95	1.64	1191.9
1300	4.174	4.071	34.468	4.2	58.5	27.356	31.955	36.451	40.846	45.143	84.0	2.03	1.72	1290.9
1400	3.699	3.593	34.502	4.2	56.6	27.431	32.043	36.551	40.958	45.265	76.3	2.11	1.69	1389.8
1500	3.364	3.252	34.540	4.0	54.3	27.495	32.115	36.632	41.047	45.362	70.1	2.19	1.54	1488.6
1600	3.141	3.023	34.575	4.1	55.2	27.544	32.170	36.692	41.113	45.434	65.4	2.25	1.35	1587.4
1700	2.996	2.871	34.627	4.2	55.9	27.599	32.229	36.755	41.179	45.503	60.4	2.32	1.38	1686.1
1800	2.883	2.751	34.660	4.2	56.7	27.636	32.269	36.798	41.225	45.551	57.2	2.38	1.15	1784.8
1900	2.797	2.657	34.698	4.4	58.6	27.675	32.310	36.841	41.270	45.599	54.0	2.43	1.15	1883.4
2000	2.766	2.618	34.732	4.5	60.1	27.706	32.342	36.873	41.303	45.632	51.7	2.48	1.00	1982.0
2100	2.726	2.569	34.763	4.7	62.3	27.735	32.372	36.904	41.335	45.665	49.5	2.54	.98	2080.5
2200	2.702	2.536	34.784	4.8	63.6	27.754	32.392	36.926	41.357	45.688	48.2	2.58	.81	2179.0
2300	2.663	2.489	34.799	4.9	65.5	27.770	32.409	36.944	41.376	45.708	47.1	2.63	.76	2277.5
2400	2.635	2.452	34.809	5.0	66.4	27.782	32.421	36.957	41.390	45.723	46.6	2.68	.64	2375.9
2500	2.589	2.397	34.818	5.1	67.1	27.793	32.435	36.972	41.406	45.740	45.9	2.72	.69	2474.2
2600	2.541	2.340	34.824	5.1	68.1	27.803	32.446	36.984	41.420	45.756	45.3	2.77	.64	2572.5
2700	2.495	2.285	34.829	5.2	68.9	27.812	32.456	36.996	41.433	45.770	44.8	2.82	.62	2670.8
2800	2.451	2.233	34.832	5.2	69.2	27.818	32.464	37.005	41.444	45.782	44.5	2.86	.57	2769.0
2900	2.413	2.186	34.834	5.3	69.6	27.824	32.471	37.013	41.453	45.793	44.3	2.90	.53	2867.2
3000	2.373	2.137	34.835	5.3	69.6	27.829	32.477	37.021	41.462	45.803	44.1	2.95	.52	2965.3
3200	2.304	2.048	34.835	5.3	69.6	27.836	32.487	37.033	41.476	45.819	44.0	3.04	.47	3161.4
3400	2.214	1.939	34.831	5.2	69.0	27.841	32.495	37.044	41.491	45.836	43.8	3.12	.49	3357.4
3600	2.049	1.758	34.817	5.2	68.6	27.844	32.503	37.058	41.509	45.859	43.1	3.21	.56	3553.1
3800	1.816	1.510	34.795	5.2	67.9	27.845	32.511	37.073	41.531	45.887	41.8	3.30	.64	3748.7
4000	1.588	1.266	34.776	5.2	66.9	27.847	32.521	37.089	41.554	45.917	40.1	3.38	.67	3944.1
4200	1.334	.997	34.756	5.2	66.9	27.850	32.531	37.107	41.579	45.949	38.0	3.46	.71	4139.4
4400	1.175	.821	34.743	5.2	66.2	27.851	32.537	37.118	41.595	45.970	36.8	3.53	.59	4334.4
4600	1.061	.688	34.732	5.1	64.6	27.850	32.541	37.126	41.606	45.985	36.0	3.60	.50	4529.3
4800	.957	.565	34.722	5.0	63.3	27.850	32.544	37.132	41.617	45.999	35.3	3.68	.49	4724.1
4933	.793	.391	34.708	5.1	64.4	27.849	32.548	37.142	41.631	46.018	33.7	3.72	.73	4853.5

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	19.501	19.500	35.555	5.44	3.7	0.23	1.0	0.03		25.318	29.594	33.776	37.868	41.871	5.2
14	19.508	19.506	35.554	5.47	3.7	0.19	1.0	0.03		25.315	29.592	33.774	37.865	41.868	13.5
29	19.472	19.467	35.554	5.42	4.4	0.19	1.1	0.03		25.325	29.602	33.785	37.877	41.881	29.1
55	19.292	19.282	35.554	5.22	4.5	0.21	1.9	0.06		25.373	29.653	33.839	37.934	41.940	54.5
105	18.434	18.416	35.555	5.05	4.7	0.27	2.8	0.12		25.595	29.888	34.088	38.195	42.214	104.5
156	17.923	17.896	35.577		5.3	0.27	2.7	0.02		25.741	30.043	34.250	38.366	42.392	155.0
207	17.662	17.627	35.577	5.21	5.3	0.28	3.1	0.02		25.807	30.113	34.325	38.445	42.475	204.9
307	15.992	15.943	35.459	4.72	6.0	0.55	6.5	0.02		26.115	30.451	34.691	38.839	42.896	304.4
507	12.997	12.926	35.197	4.95	6.6	0.80	9.4			26.561	30.955	35.251	39.453	43.563	502.0
740	9.764	9.677	34.742	5.29	8.5	1.22	15.9			26.806	31.269	35.634	39.901	44.074	733.4
861	8.571	8.477	34.687	4.70	9.4	1.58	12.2			26.956	31.446	35.837	40.130	44.327	852.1
997	6.420	6.326	34.504	4.61	19.6	1.99	25.2			27.119	31.661	36.102	40.444	44.688	987.1
1096	4.780	4.690	34.328	5.30	20.8	2.10	28.8			27.178	31.762	36.244	40.625	44.908	1085.2
1231	4.426	4.327	34.442	4.48	35.3	2.38	32.5			27.308	31.901	36.391	40.780	45.070	1217.5
1398	3.669	3.562	34.496	4.14	43.4	2.54	31.1			27.430	32.042	36.551	40.959	45.267	1383.0
1582	3.246	3.128	34.576	3.99	59.7	2.56	33.4			27.535	32.158	36.678	41.096	45.414	1564.2
1790	2.884	2.753	34.651	4.21	61.4	2.46	32.7			27.629	32.262	36.791	41.218	45.544	1768.6
2001	2.752	2.604	34.735	4.53	55.3	2.23	28.1			27.709	32.346	36.878	41.308	45.637	1976.6
2507	2.588	2.395	34.817	5.05	52.9	1.99	26.8			27.793	32.434	36.971	41.406	45.740	2473.1
3007	2.386	2.148	34.835	5.22	55.0	1.90	26.0			27.828	32.476	37.019	41.460	45.800	2963.6
3511	2.133	1.849	34.825	5.24	63.4	2.00	29.1			27.844	32.500	37.052	41.501	45.848	3456.2
3999	1.602	1.280	34.778	5.14	77.9	2.14	29.2			27.848	32.521	37.089	41.553	45.916	3932.2
4495	1.123	0.760	34.737	5.15	94.0	2.34	32.2			27.850	32.538	37.121	41.600	45.976	4414.8
4936	0.793	0.390	34.713	5.11	99.8	2.45	31.7			27.853	32.552	37.146	41.635	46.022	4843.6


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
PRESSURE (DECIBARS)
PT
SA
OX
OXYGEN (ML/L)
2.
3.
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8.
KN 104/5
27

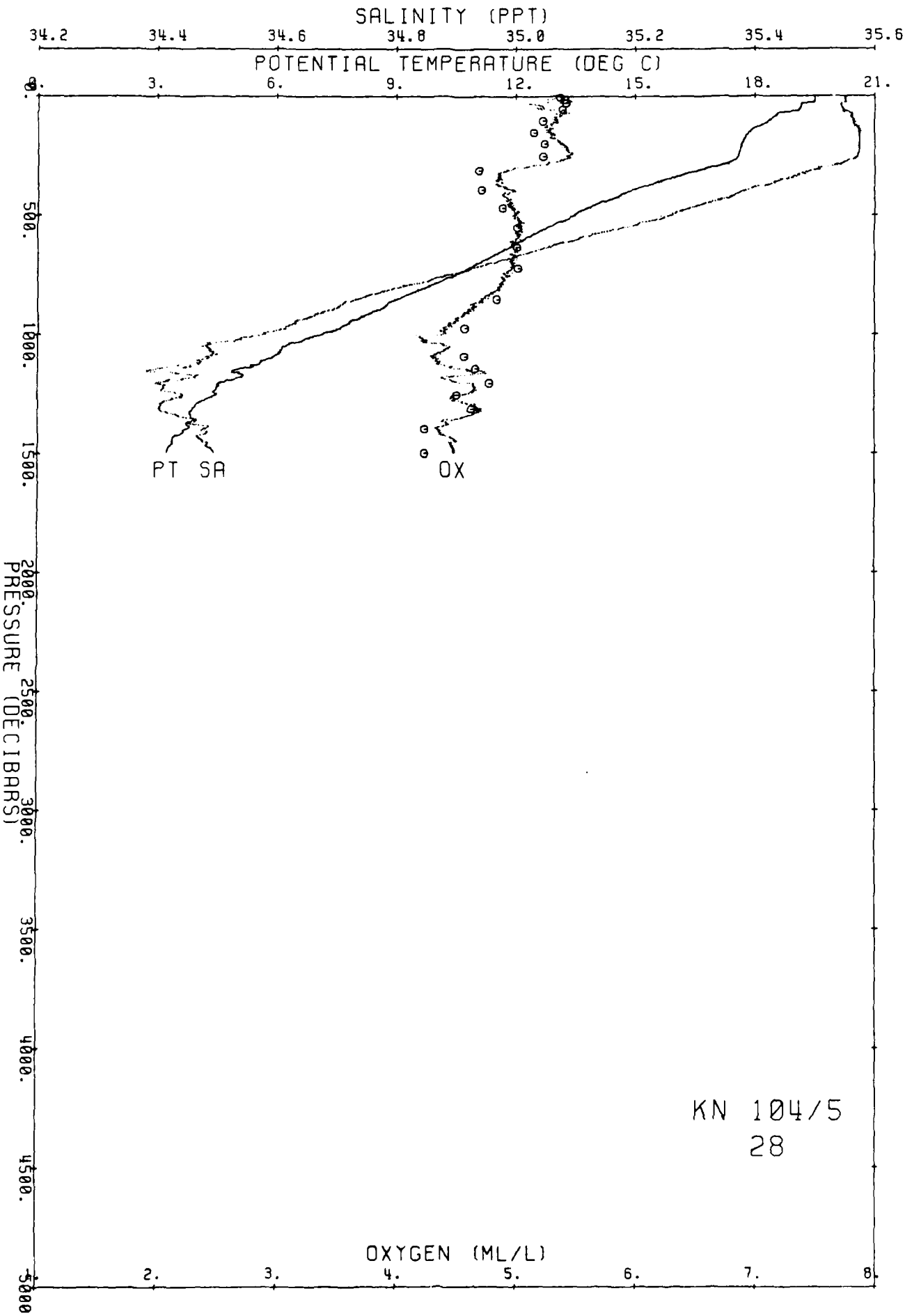

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
5.4
5.7
6.0
6.3
KN 104/5
27

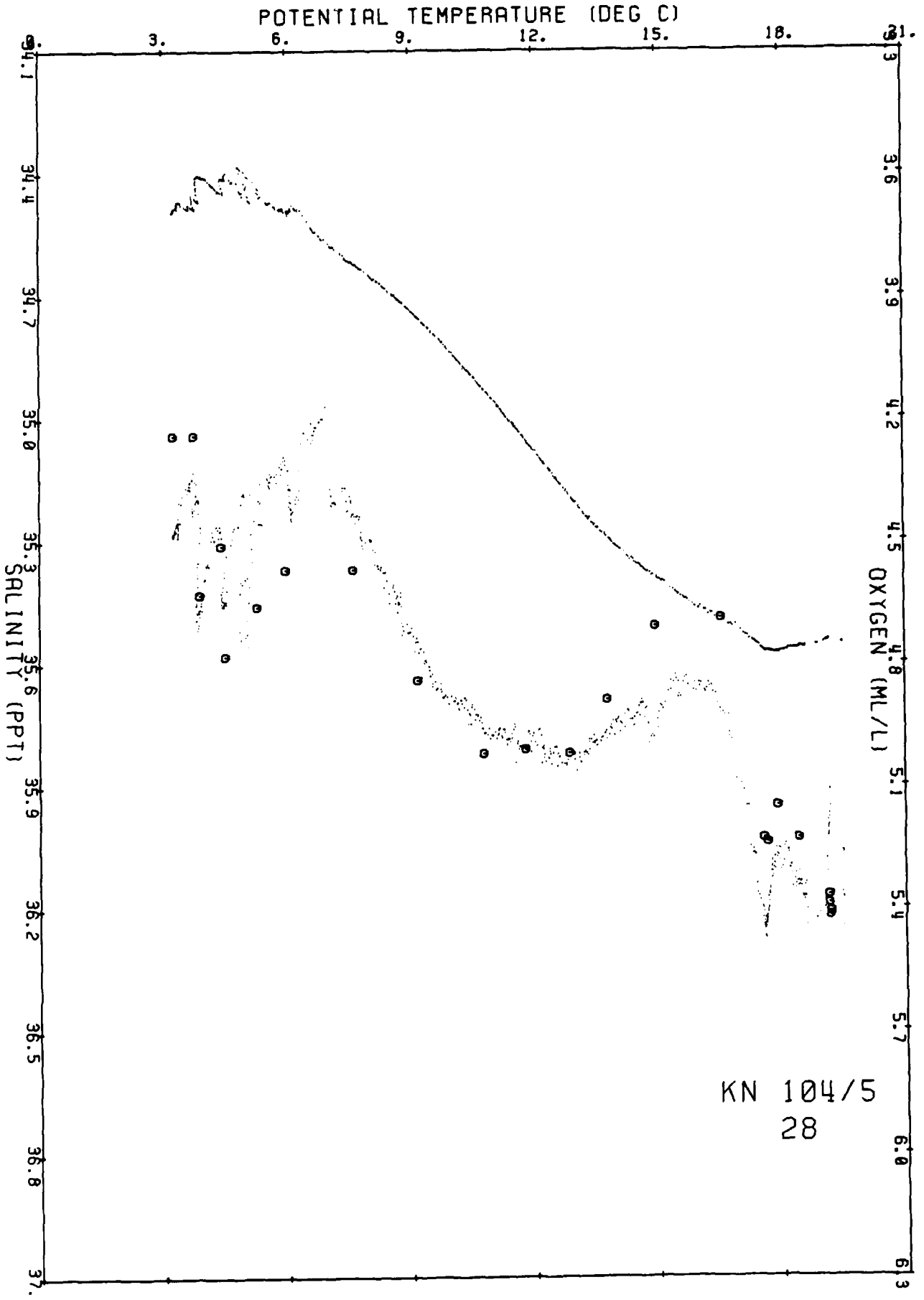

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
KN 104/5
27
PT
SA
OX
OXYGEN (ML/L)
2.
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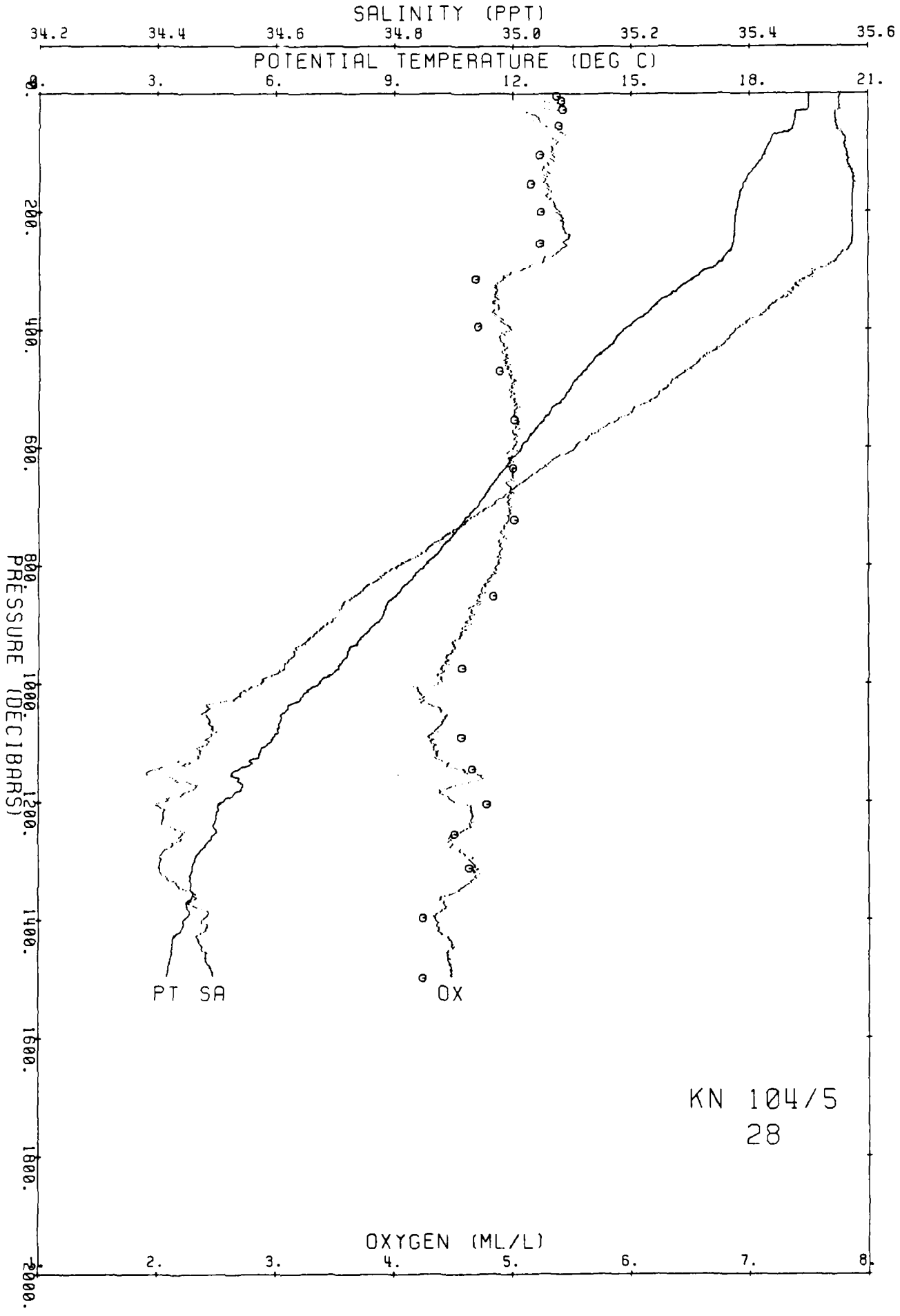
Ship KN Cruise 1045 Station 28 Cast 1 DT
Start 38 57.59 S 18 30.44 E at 1825 83/11/23
End 38 56.94 S 18 29.48 E at 2025

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	19.504	19.504	35.554	-9.0	-9.0	25.316	29.592	33.774	37.866	41.869	264.7	0.00	0.00	0.0
10	19.502	19.500	35.551	-9.0	-9.0	25.314	29.591	33.773	37.865	41.868	265.2	.03	-.61	10.0
20	19.501	19.498	35.551	5.4	104.5	25.315	29.591	33.774	37.865	41.869	265.6	.05	.43	19.9
30	19.167	19.162	35.544	5.1	97.8	25.397	29.678	33.866	37.963	41.971	258.2	.08	5.07	29.9
40	19.163	19.156	35.545	5.2	99.8	25.399	29.681	33.869	37.965	41.973	258.4	.11	.84	39.9
50	19.137	19.128	35.546	5.2	99.6	25.407	29.689	33.877	37.974	41.983	258.0	.13	1.58	49.9
60	19.106	19.096	35.547	5.4	102.7	25.416	29.699	33.887	37.985	41.994	257.5	.16	1.69	59.8
70	18.618	18.606	35.558	5.4	103.1	25.549	29.840	34.036	38.141	42.157	245.2	.18	6.47	69.8
80	18.559	18.545	35.562	5.4	101.6	25.567	29.859	34.056	38.162	42.179	243.8	.21	2.41	79.8
90	18.484	18.469	35.561	5.3	100.8	25.586	29.879	34.077	38.184	42.202	242.4	.23	2.42	89.7
100	18.417	18.400	35.566	5.3	100.6	25.607	29.901	34.100	38.208	42.227	240.8	.25	2.58	99.7
120	18.217	18.197	35.567	5.3	99.7	25.659	29.956	34.158	38.269	42.291	236.6	.30	2.85	119.6
140	17.976	17.952	35.574	5.3	98.9	25.725	30.026	34.232	38.347	42.373	231.0	.35	3.23	139.5
160	17.848	17.821	35.575	5.3	98.8	25.758	30.061	34.270	38.387	42.414	228.6	.40	2.29	159.5
180	17.764	17.733	35.574	5.3	98.9	25.779	30.083	34.293	38.411	42.440	227.4	.44	1.81	179.4
200	17.705	17.671	35.574	5.4	100.5	25.794	30.099	34.310	38.430	42.459	226.6	.49	1.55	199.3
220	17.677	17.640	35.574	5.4	100.8	25.801	30.108	34.319	38.439	42.469	226.6	.53	1.10	219.2
240	17.649	17.609	35.573	5.5	101.8	25.808	30.115	34.327	38.447	42.478	226.7	.58	1.05	239.1
260	17.598	17.554	35.569	5.4	100.8	25.819	30.126	34.339	38.460	42.492	226.4	.62	1.28	259.0
280	17.399	17.352	35.548	5.3	97.4	25.851	30.163	34.379	38.503	42.538	224.0	.67	2.30	278.9
300	16.880	16.830	35.511	5.0	91.7	25.948	30.268	34.493	38.626	42.669	215.3	.71	3.94	298.9
320	16.475	16.423	35.488	4.9	88.5	26.026	30.353	34.586	38.725	42.775	208.4	.75	3.55	318.8
340	16.067	16.013	35.470	4.8	87.4	26.107	30.442	34.681	38.828	42.884	201.1	.79	3.62	338.7
360	15.634	15.577	35.436	4.9	87.2	26.180	30.523	34.770	38.924	42.987	194.6	.83	3.44	358.6
380	15.252	15.194	35.404	4.9	86.8	26.241	30.591	34.845	39.006	43.075	189.2	.87	3.16	378.4
400	14.852	14.792	35.378	5.0	87.8	26.310	30.667	34.928	39.096	43.173	183.1	.91	3.34	398.3
450	14.128	14.062	35.318	4.9	85.4	26.421	30.792	35.066	39.247	43.336	173.6	1.00	2.70	448.0
500	13.535	13.464	35.259	5.0	85.1	26.500	30.883	35.169	39.360	43.460	167.1	1.08	2.30	497.7
550	12.884	12.808	35.180	5.0	85.1	26.572	30.968	35.266	39.471	43.582	161.1	1.17	2.22	547.4
600	12.324	12.243	35.106	5.0	83.3	26.625	31.033	35.343	39.558	43.681	156.8	1.25	1.94	597.1
650	11.727	11.642	35.029	5.0	82.3	26.680	31.101	35.423	39.650	43.784	152.2	1.32	1.98	646.7
700	11.193	11.104	34.960	5.0	80.9	26.726	31.158	35.492	39.729	43.874	148.4	1.40	1.83	696.4
750	10.559	10.467	34.887	4.9	78.9	26.783	31.229	35.576	39.827	43.983	143.3	1.47	2.05	746.0
800	9.859	9.765	34.807	4.9	76.8	26.842	31.303	35.665	39.930	44.101	137.8	1.54	2.10	795.6
900	8.603	8.504	34.686	4.6	70.9	26.951	31.441	35.831	40.123	44.320	127.3	1.67	2.04	894.8
1000	7.193	7.094	34.576	4.4	65.0	27.072	31.595	36.018	40.342	44.569	114.8	1.79	2.18	993.9
1100	5.950	5.850	34.485	4.3	62.1	27.165	31.719	36.171	40.524	44.779	104.6	1.90	1.97	1093.0
1200	4.759	4.660	34.411	4.5	62.9	27.247	31.832	36.313	40.695	44.977	94.8	2.00	1.91	1192.0
1300	4.049	3.948	34.406	4.6	63.8	27.319	31.922	36.422	40.821	45.120	87.0	2.10	1.72	1290.9
1400	3.774	3.667	34.475	4.4	59.4	27.403	32.012	36.519	40.924	45.230	79.2	2.18	1.70	1389.8
1496	3.368	3.257	34.494	4.5	60.5	27.457	32.078	36.595	41.010	45.326	73.5	2.25	1.51	1484.7

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	19.142	19.141	35.556	5.37	4.9	0.27	1.2	0.03	0.59	25.411	29.693	33.881	37.978	41.986	5.1
13	19.168	19.166	35.553	5.41	5.1	0.23	1.1	0.02	0.20	25.403	29.684	33.872	37.968	41.976	12.4
27	19.166	19.161	35.553	5.42	5.1	0.21	1.1	0.03		25.404	29.685	33.873	37.970	41.978	27.1
55	19.147	19.137	35.553	5.39	7.5	0.18	1.4	0.02		25.410	29.692	33.880	37.977	41.985	54.4
104	18.433	18.415	35.568	5.23	4.8	0.25	1.8	0.29		25.605	29.898	34.098	38.205	42.224	103.0
153	17.919	17.893	35.578	5.15	7.8	0.32	3.0	0.03		25.742	30.044	34.252	38.368	42.394	151.5
200	17.691	17.657	35.580	5.24	6.2	0.31	3.1	0.02		25.802	30.108	34.319	38.438	42.468	198.6
253	17.618	17.575	35.577	5.23	7.2	0.32	3.3	0.02		25.820	30.127	34.339	38.460	42.491	251.3
313	16.599	16.548	35.506	4.69	8.2	0.52	6.3	0.01		26.011	30.336	34.566	38.703	42.751	310.7
394	15.010	14.950	35.397	4.71	7.3	0.62	7.8			26.290	30.644	34.902	39.067	43.141	390.4
470	13.856	13.788	35.302	4.89	7.6	0.74	9.2			26.466	30.842	35.122	39.308	43.402	465.3
552	12.945	12.868	35.195	5.02	8.1	0.82	10.5			26.571	30.966	35.264	39.466	43.577	546.8
634	11.884	11.800	35.058	5.01	7.5	0.96	12.8			26.673	31.090	35.409	39.633	43.763	628.0
722	10.878	10.788	34.931	5.02	7.8	1.13	12.8			26.761	31.199	35.540	39.784	43.934	714.9
852	9.271	9.174	34.751	4.84	12.2	1.44	19.7			26.896	31.370	35.745	40.023	44.206	843.3
974	7.721	7.620	34.621	4.57	20.0	1.79	23.3			27.033	31.543	35.953	40.265	44.481	963.9
1091	6.077	5.977	34.493	4.57	24.5	2.11	24.5			27.155	31.706	36.155	40.505	44.757	1079.6
1145	5.379	5.279	34.449	4.66	27.1	2.20	24.9			27.206	31.774	36.241	40.607	44.875	1132.9
1204	4.599	4.501	34.398	4.78	31.9	2.32	27.5		0.73	27.254	31.843	36.329	40.714	45.001	1191.7
1255	4.511	4.409	34.438	4.51	32.1	2.40	25.1			27.296	31.887	36.375	40.762	45.050	1242.0
1312	3.994	3.892	34.400	4.63	37.4	2.45	27.8			27.320	31.925	36.426	40.826	45.127	1297.9
1353	3.978	3.872	34.452							27.364	31.968	36.470	40.870	45.171	1338.3
1397	3.859	3.751	34.480	4.24	49.6	2.50	32.4			27.398	32.006	36.510	40.913	45.217	1382.0
1499	3.362	3.250	34.492	4.24	48.9	2.56	29.5			27.456	32.077	36.594	41.010	45.325	1481.8


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
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12.
15.
18.
21.
PT SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
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5000.
OXYGEN (ML/L)
2.
3.
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KN 104/5
28

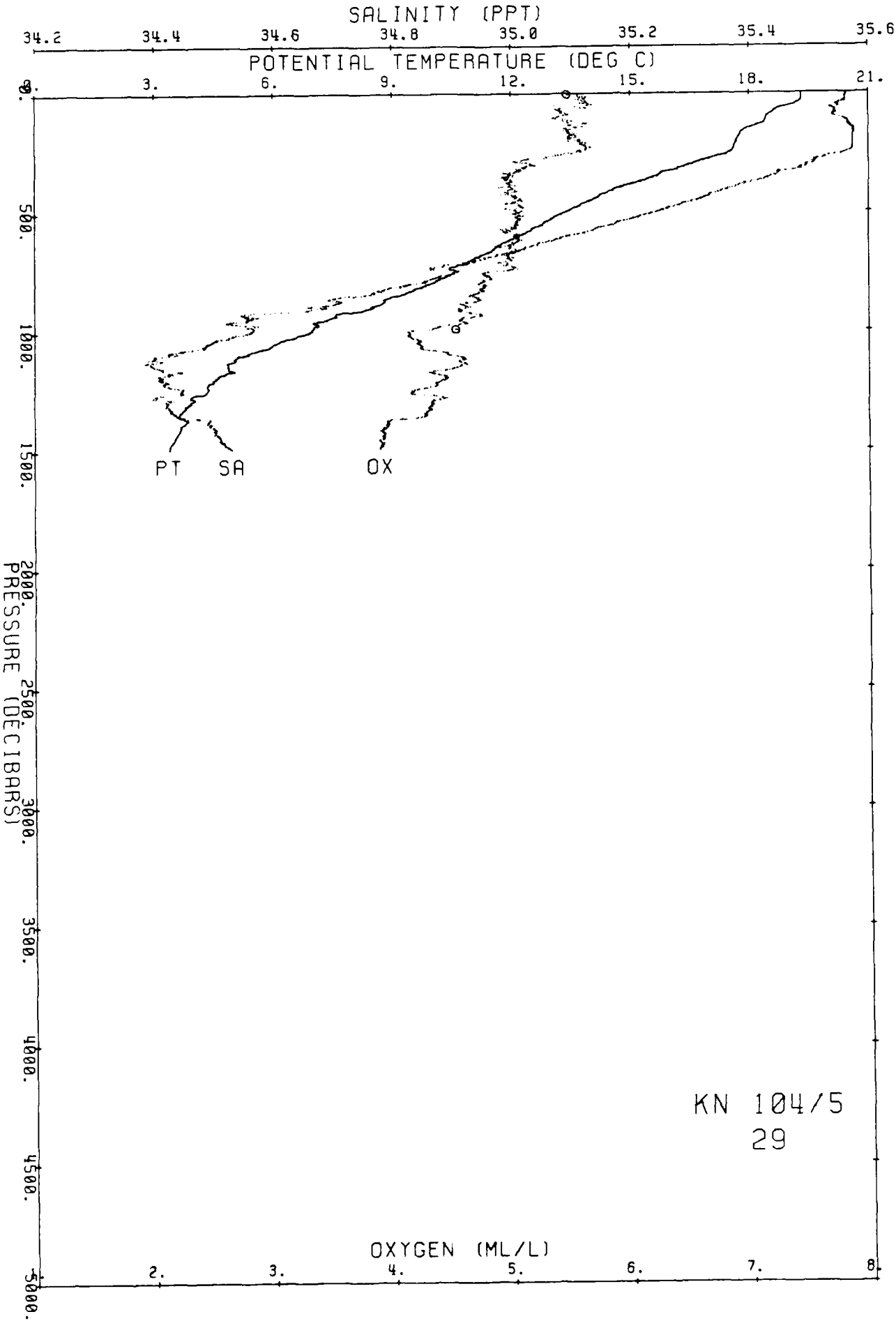

POTENTIAL TEMPERATURE (DEG C)
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12.
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21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
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KN 104/5
28

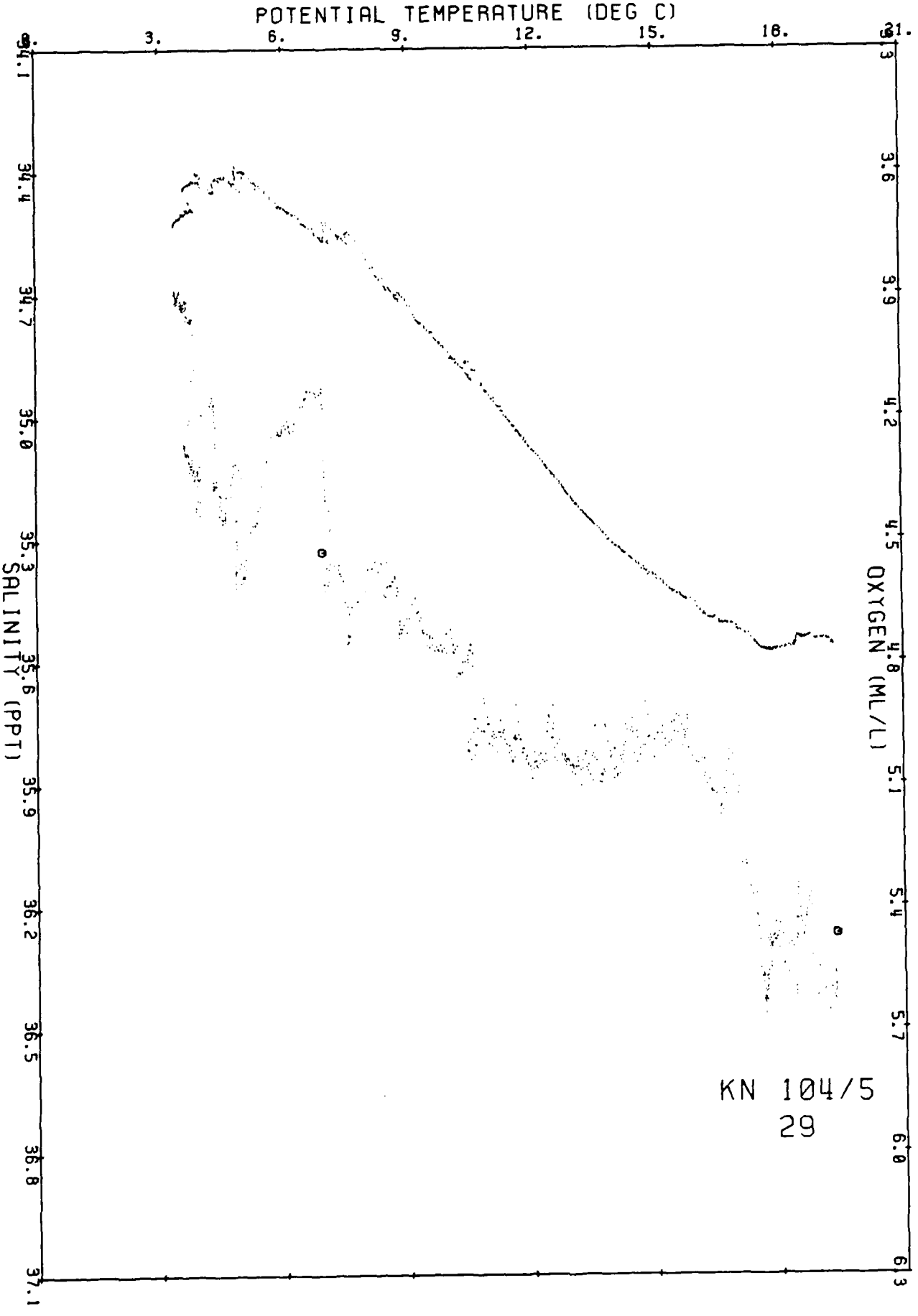

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PT SA
OX
KN 104/5
28
OXYGEN (ML/L)
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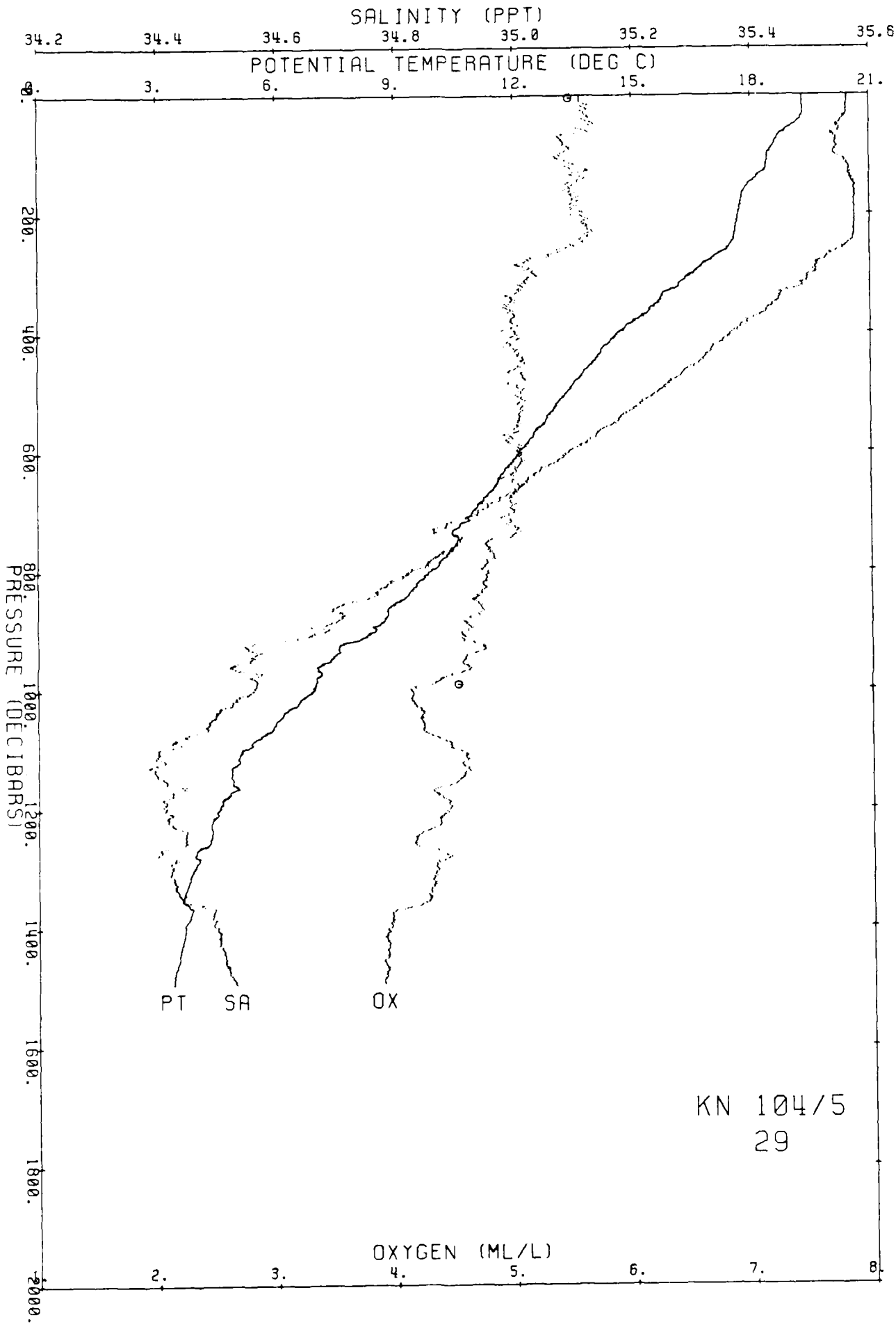
Ship KN Cruise 1045 Station 29 Cast 1 DT
Start 39 3.22 S 18 5.72 E at 10 83/11/24
End 39 5.28 S 18 4.79 E at 204

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	19.319	19.319	35.563	5.6	106.7	25.371	29.650	33.835	37.929	41.935	259 5	0.00	0.00	0.0
10	19.319	19.317	35.563	5.6	106.7	25.371	29.650	33.836	37.930	41.935	259 8	.03	.38	10.0
20	19.316	19.313	35.561	5.6	107.1	25.371	29.650	33.835	37.929	41.935	260 3	.05	.41	19.9
30	19.320	19.315	35.562	5.6	107.3	25.371	29.650	33.835	37.929	41.935	260 7	.08	.25	29.9
40	19.275	19.268	35.561	5.6	107.0	25.382	29.662	33.848	37.943	41.949	260 0	.10	1.89	39.9
50	19.086	19.077	35.547	5.6	107.8	25.421	29.704	33.893	37.991	42.000	256 7	.13	3.48	49.9
60	18.891	18.880	35.548	5.6	107.0	25.472	29.758	33.950	38.051	42.063	252 2	.16	4.01	59.8
70	18.701	18.688	35.541	5.4	102.1	25.515	29.805	34.000	38.103	42.118	248 4	.18	3.70	69.8
80	18.626	18.612	35.543	5.4	102.7	25.536	29.827	34.023	38.128	42.144	246 8	.21	2.55	79.8
90	18.542	18.526	35.541	5.5	103.5	25.556	29.848	34.046	38.152	42.169	245 3	.23	2.53	89.7
100	18.449	18.431	35.541	5.4	101.6	25.580	29.874	34.073	38.180	42.199	243 4	.25	2.74	99.7
120	18.403	18.382	35.565	5.5	103.2	25.611	29.905	34.105	38.213	42.232	241 2	.30	2.20	119.6
140	18.180	18.156	35.571	5.6	105.0	25.672	29.970	34.173	38.285	42.307	236 1	.35	3.11	139.5
160	17.880	17.853	35.576	5.5	102.4	25.751	30.054	34.262	38.378	42.405	229 3	.40	3.53	159.5
180	17.787	17.757	35.574	5.5	102.4	25.773	30.077	34.287	38.405	42.433	227 9	.44	1.87	179.4
200	17.713	17.679	35.575	5.5	102.1	25.793	30.098	34.309	38.428	42.458	226 8	.49	1.77	199.3
220	17.673	17.635	35.574	5.6	104.3	25.803	30.109	34.321	38.440	42.471	226 5	.53	1.27	219.2
240	17.618	17.577	35.572	5.6	103.6	25.815	30.123	34.335	38.456	42.487	226 0	.58	1.42	239.1
260	17.458	17.414	35.554	5.4	100.4	25.841	30.151	34.367	38.490	42.524	224 2	.62	2.04	259.0
280	16.925	16.879	35.511	5.1	93.1	25.936	30.256	34.480	38.612	42.655	215 7	.67	3.91	278.9
300	16.609	16.560	35.504	5.2	94.3	26.006	30.331	34.561	38.698	42.746	209 6	.71	3.35	298.9
320	16.231	16.180	35.487	5.1	91.6	26.082	30.414	34.650	38.793	42.847	202 9	.75	3.48	318.8
340	15.784	15.730	35.448	5.0	89.1	26.155	30.495	34.739	38.890	42.951	196 4	.79	3.44	338.7
360	15.510	15.454	35.431	5.0	88.6	26.204	30.549	34.798	38.954	43.019	192 3	.83	2.83	358.5
380	15.120	15.062	35.402	5.0	88.0	26.269	30.621	34.877	39.040	43.112	186 5	.87	3.26	378.4
400	14.673	14.613	35.365	5.0	87.8	26.339	30.700	34.964	39.135	43.214	180 2	.90	3.38	398.3
450	14.054	13.988	35.311	5.1	87.9	26.431	30.803	35.079	39.261	43.352	172 6	.99	2.46	448.0
500	13.399	13.328	35.242	5.1	86.3	26.515	30.900	35.189	39.383	43.485	165 6	1.08	2.37	497.7
550	12.851	12.775	35.170	5.0	84.9	26.570	30.967	35.267	39.471	43.584	161 2	1.16	1.96	547.4
600	12.235	12.154	35.093	5.1	84.2	26.632	31.042	35.354	39.571	43.695	156 1	1.24	2.08	597.1
650	11.666	11.581	35.021	5.0	81.8	26.685	31.107	35.431	39.659	43.794	151 7	1.32	1.95	646.7
700	11.037	10.949	34.940	5.0	80.9	26.739	31.174	35.511	39.752	43.899	147 0	1.39	1.98	696.4
750	10.652	10.559	34.909	4.8	76.7	26.784	31.228	35.573	39.821	43.976	143.4	1.46	1.79	746.0
800	9.974	9.879	34.826	4.8	75.3	26.837	31.296	35.656	39.918	44.087	138 4	1.53	2.01	795.6
900	8.592	8.494	34.681	4.6	69.7	26.949	31.439	35.829	40.122	44.319	127 5	1.67	2.08	894.8
1000	7.029	6.930	34.560	4.1	61.1	27.082	31.609	36.036	40.363	44.594	113 5	1.79	2.29	993.9
1100	5.195	5.102	34.401	4.5	64.2	27.189	31.762	36.233	40.604	44.877	100 3	1.89	2.20	1093.0
1200	4.622	4.524	34.411	4.4	61.6	27.262	31.850	36.335	40.720	45.006	93.1	1.99	1.67	1192.0
1300	3.977	3.876	34.422	4.3	59.6	27.339	31.944	36.446	40.846	45.147	84 9	2.08	1.75	1290.9
1400	3.781	3.673	34.499	3.9	53.6	27.421	32.030	36.537	40.941	45.247	77 5	2.16	1.66	1389.8
1493	3.484	3.372	34.530	3.9	52.8	27.475	32.092	36.606	41.018	45.330	72 2	2.23	1.48	1481.7

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	19.347	19.346	35.564	5.47	5.1	0.23	1.2	0.02	0.20	25.364	29.643	33.828	37.921	41.927	4.0
14	19.362	19.359	35.565		5.6	0.20	1.3	0.02		25.362	29.640	33.825	37.918	41.923	13.9
25	19.377	19.373	35.565		5.7	0.19	1.2	0.02		25.358	29.637	33.821	37.914	41.919	24.4
54	18.872	18.862	35.560		4.6	0.24	1.3	0.20		25.486	29.772	33.964	38.065	42.077	53.7
109	18.523	18.504	35.570		3.9	0.23	1.7	0.40		25.584	29.876	34.074	38.180	42.198	107.7
157	17.904	17.877	35.585		6.3	0.31	2.5	0.03		25.752	30.054	34.262	38.377	42.404	155.5
220	17.655	17.618	35.580		5.5	0.32	3.2	0.04		25.811	30.118	34.330	38.450	42.480	218.1
310	16.346	16.296	35.491		5.8	0.52	5.5	0.03		26.058	30.388	34.622	38.764	42.815	306.9
403	14.696	14.635	35.373		5.9	0.66	7.1	0.03		26.340	30.700	34.964	39.135	43.214	399.8
515	13.232	13.159	35.225		7.7	0.82	8.4	0.03		26.536	30.925	35.217	39.414	43.519	509.9
989	7.025	6.928	34.566	4.53	21.8	1.92	24.8	0.01		27.087	31.615	36.041	40.368	44.599	978.6
1496	3.478	3.365	34.539		51.7	2.50	31.4	0.01		27.483	32.100	36.614	41.026	45.339	1479.0


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
OXYGEN (ML/L)
2.
3.
4.
5.
6.
7.
8.
KN 104/5
29

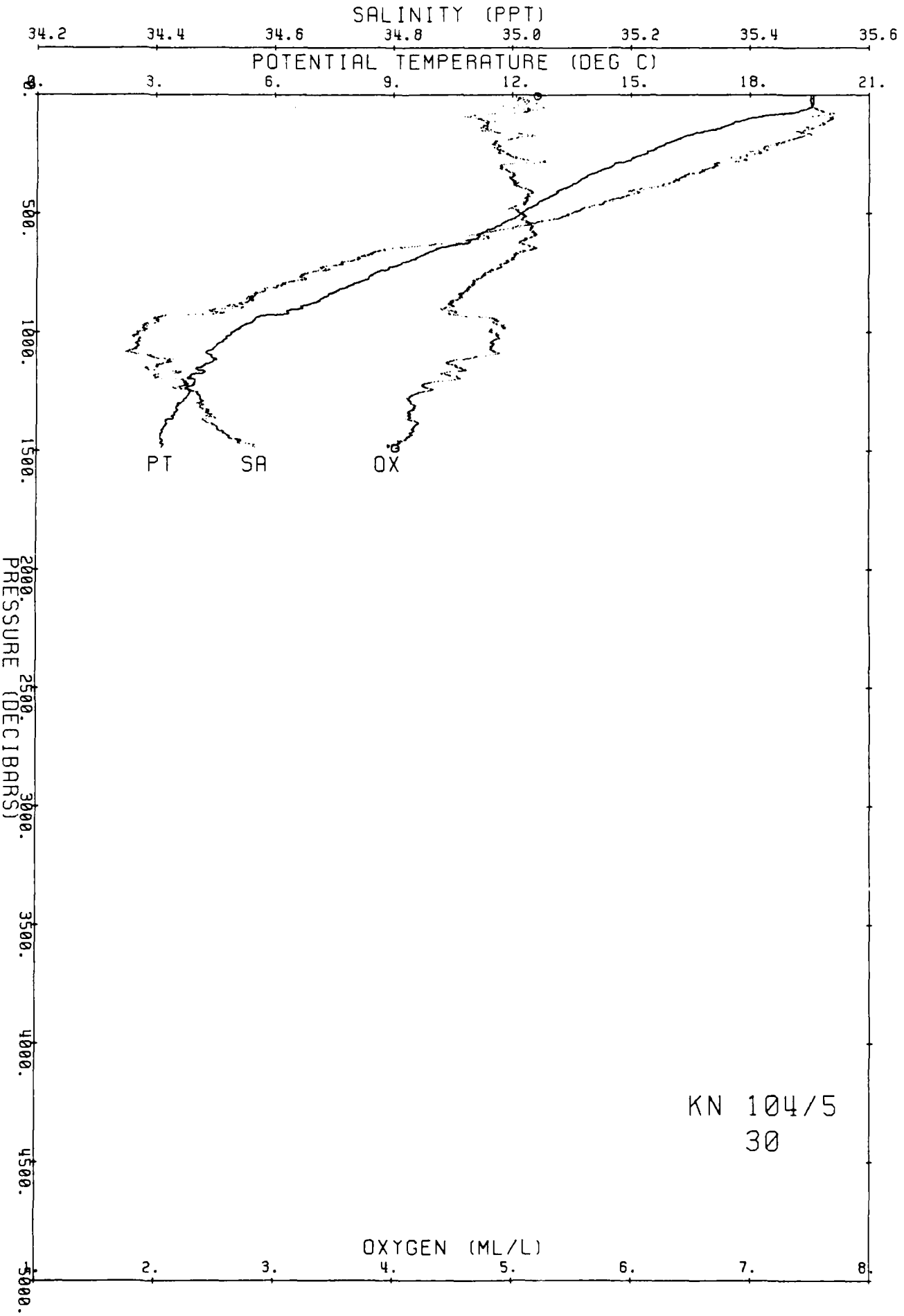

POTENTIAL TEMPERATURE (DEG C)
0.
3.
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12.
15.
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21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
5.4
5.7
6.0
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KN 104/5
29

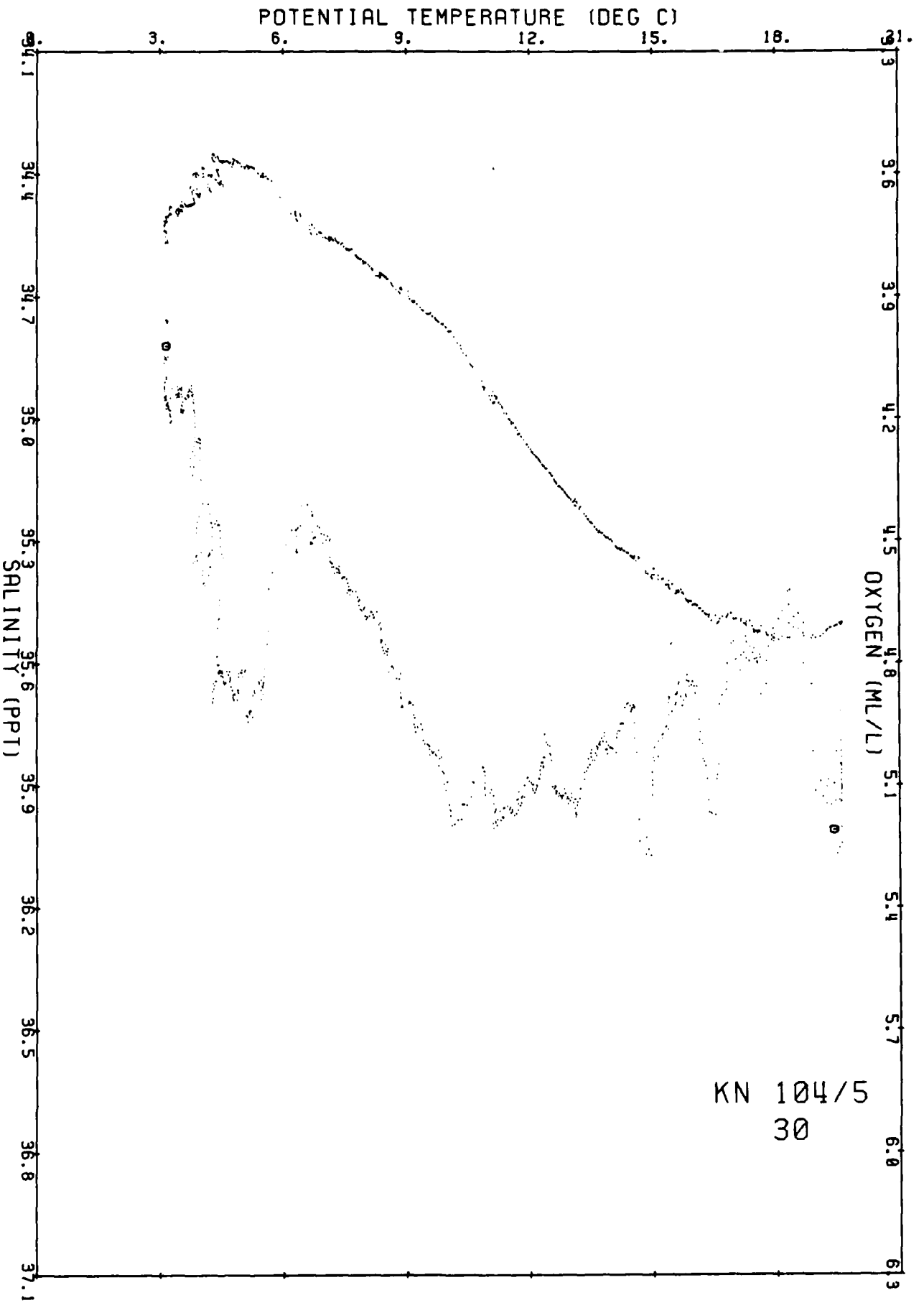

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
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200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
PT
SA
OX
KN 104/5
29
OXYGEN (ML/L)
2.
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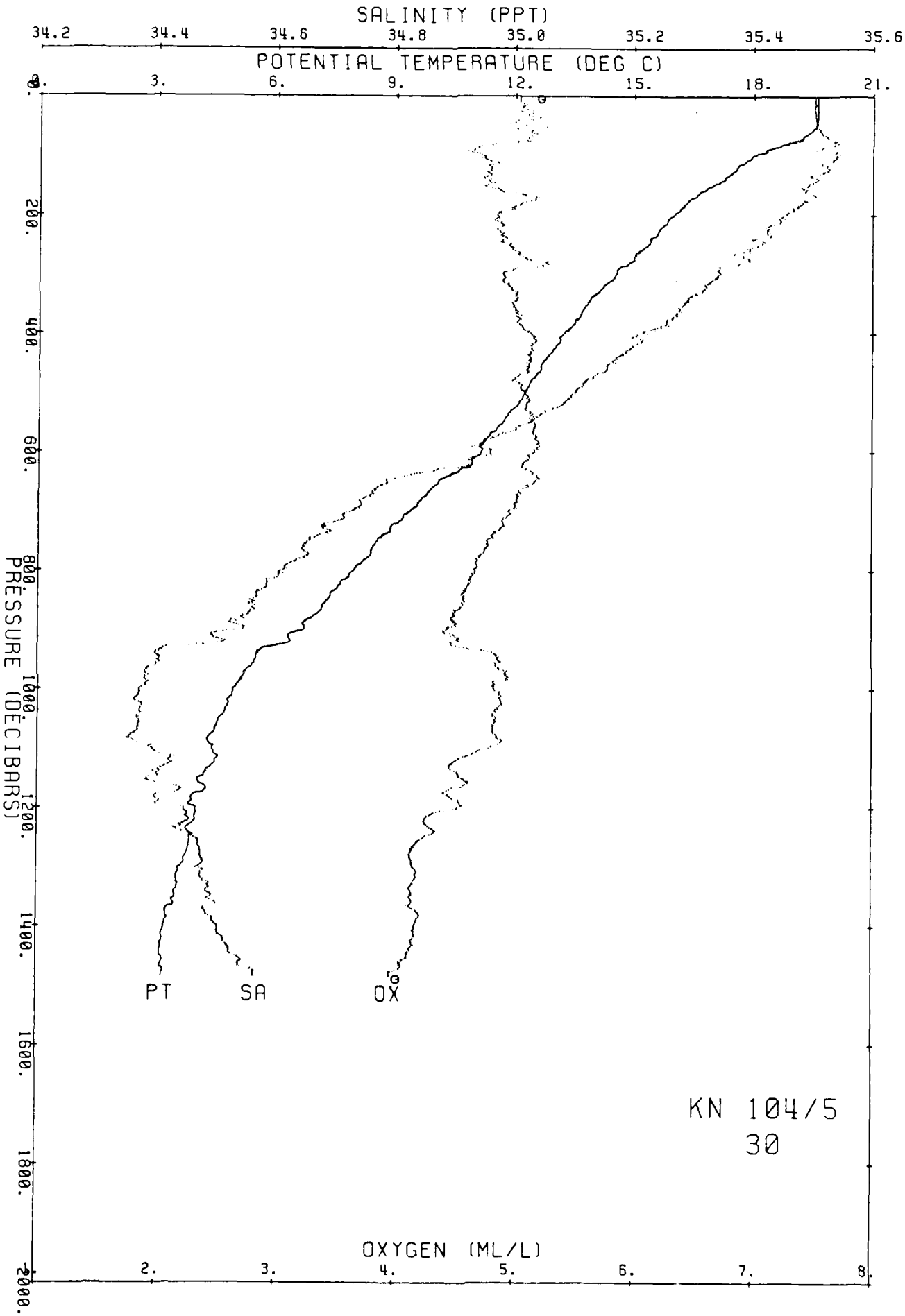
Ship KN Cruise 1045 Station 30 Cast 1 DT
Start 39 14.15 S 17 43.28 E at 223 83/11/25
End 39 16.18 S 17 44.29 E at 335

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	19 604	19 604	35 502	5 0	97 0	25 250	29 525	33 706	37 796	41 798	271 0	0 00	0 00	0 0
10	19 604	19 603	35 502	5 0	97 0	25 250	29 525	33 707	37 797	41 799	271 3	03	39	10 0
20	19 605	19 601	35 501	5 0	97 3	25 250	29 525	33 706	37 796	41 799	271 8	05	36	19 9
30	19 609	19 604	35 503	5 1	98 5	25 251	29 526	33 707	37 797	41 799	272 1	08	55	29 9
40	19 596	19 589	35 503	5 1	99 1	25 255	29 530	33 711	37 802	41 804	272 1	11	1 10	39 9
50	19 562	19 553	35 505	5 1	98 9	25 266	29 541	33 723	37 814	41 817	271 5	14	1 85	49 9
60	19 430	19 419	35 512	5 1	97 9	25 306	29 584	33 768	37 860	41 865	268 0	16	3 55	59 8
70	19 244	19 232	35 523	5 1	97 8	25 363	29 643	33 830	37 926	41 933	263 0	19	4 23	69 8
80	18 887	18 873	35 540	4 9	92 3	25 468	29 754	33 946	38 047	42 059	253 4	22	5 75	79 8
90	18 330	18 315	35 503	4 7	87 7	25 580	29 876	34 077	38 187	42 207	243 0	24	5 96	89 7
100	17 977	17 960	35 540	4 7	88 5	25 697	29 998	34 205	38 319	42 345	232 2	26	6 06	99 7
120	17 592	17 572	35 524	4 8	89 1	25 780	30 087	34 300	38 421	42 453	225 0	31	3 62	119 6
140	17 305	17 282	35 508	4 8	88 4	25 838	30 150	34 368	38 494	42 530	220 2	35	3 03	139 5
160	16 723	16 697	35 486	4 9	89 0	25 960	30 283	34 511	38 646	42 691	209 1	40	4 41	159 5
180	16 333	16 303	35 482	5 1	91 5	26 049	30 379	34 613	38 755	42 806	201 2	44	3 76	179 4
200	16 021	15 989	35 458	4 8	87 2	26 104	30 439	34 679	38 825	42 882	196 7	48	2 94	199 3
220	15 734	15 699	35 420	4 9	87 3	26 140	30 481	34 726	38 878	42 939	193 8	52	2 44	219 2
240	15 441	15 404	35 399	4 9	87 6	26 191	30 537	34 787	38 944	43 010	189 5	56	2 85	239 1
260	15 193	15 153	35 385	5 0	88 3	26 236	30 587	34 841	39 003	43 073	185 8	59	2 69	259 0
280	14 940	14 898	35 381	5 3	92 6	26 289	30 644	34 904	39 069	43 144	181 3	63	2 92	278 9
300	14 586	14 541	35 342	4 9	85 7	26 337	30 699	34 965	39 137	43 218	177 2	67	2 79	298 8
320	14 279	14 232	35 321	4 9	85 9	26 387	30 755	35 026	39 204	43 290	172 9	70	2 85	318 7
340	13 947	13 898	35 291	5 0	86 6	26 434	30 809	35 087	39 270	43 362	168 9	73	2 79	338 6
360	13 762	13 710	35 275	5 0	85 8	26 461	30 839	35 121	39 308	43 403	166 8	77	2 10	358 5
380	13 564	13 510	35 254	5 0	85 7	26 486	30 869	35 154	39 345	43 444	164 9	80	2 05	378 4
400	13 290	13 234	35 221	5 1	87 3	26 518	30 905	35 196	39 392	43 496	162 3	83	2 28	398 3
450	12 752	12 691	35 159	5 1	86 0	26 579	30 977	35 278	39 485	43 599	157 5	91	2 03	448 0
500	12 312	12 245	35 100	5 1	84 6	26 620	31 028	35 338	39 553	43 676	154 6	99	1 70	497 7
550	11 777	11 705	35 022	5 1	84 4	26 663	31 082	35 403	39 629	43 762	151 3	1 07	1 74	547 3
600	11 228	11 152	34 959	5 2	84 0	26 716	31 147	35 480	39 717	43 860	146 9	1 14	1 94	597 0
650	10 154	10 077	34 785	5 2	81 9	26 771	31 226	35 582	39 841	44 006	141 5	1 22	2 09	646 6
700	9 445	9 365	34 727	4 9	77 2	26 846	31 316	35 687	39 961	44 141	134 6	1 28	2 30	696 3
750	8 624	8 542	34 657	4 8	73 0	26 922	31 412	35 801	40 093	44 289	127 1	1 35	2 37	745 9
800	8 050	7 966	34 611	4 7	70 6	26 974	31 477	35 879	40 183	44 392	122 3	1 41	1 97	795 5
900	6 784	6 698	34 544	4 4	64 9	27 101	31 634	36 066	40 399	44 635	109 6	1 53	2 19	894 7
1000	5 005	4 922	34 371	4 8	67 8	27 186	31 764	36 240	40 615	44 892	99 0	1 63	1 99	993 8
1100	4 483	4 395	34 391	4 8	66 4	27 260	31 852	36 340	40 728	45 017	91 8	1 73	1 66	1092 8
1200	4 097	4 004	34 447	4 5	62 3	27 346	31 947	36 445	40 842	45 140	83 7	1 82	1 74	1191 8
1300	3 711	3 613	34 471	4 1	56 5	27 405	32 016	36 524	40 930	45 237	77 9	1 90	1 49	1290 7
1400	3 317	3 214	34 504	4 2	56 2	27 469	32 091	36 609	41 025	45 342	71 4	1 97	1 57	1389 6
1485	3 263	3 154	34 568	4 0	53 4	27 526	32 149	36 668	41 085	45 403	66 7	2 03	1 46	1473 6

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	19 409	19 408	35 526	5 21	5 4	0 38	1 8	0 04	0 20	25 319	29 597	33 781	37 874	41 879	5 0
14	19 417	19 415	35 523		5 0	0 28	2 0	0 04		25 315	29 593	33 777	37 870	41 875	13 5
27	19 429	19 424	35 521		4 4	0 26	1 9	0 04		25 311	29 589	33 773	37 866	41 870	26 9
52	19 296	19 287	35 526		4 9	0 27	2 4	0 04		25 351	29 631	33 817	37 911	41 918	51 8
105	17 891	17 873	35 515		6 9	0 53	6 0	0 03	0 29	25 699	30 002	34 210	38 326	42 353	103 8
158	16 643	16 617	35 533		4 6	0 34	2 4	0 15		26 015	30 339	34 568	38 704	42 750	157 0
206	16 104	16 071	35 543		6 0	0 38	3 4	0 08		26 150	30 483	34 721	38 866	42 921	204 2
305	14 527	14 481	35 343		6 8	0 73	8 3	0 01		26 350	30 714	34 980	39 154	43 236	302 7
421	13 040	12 981	35 183		6 7	0 80	7 7	0 01		26 539	30 932	35 227	39 428	43 537	417 0
511	12 133	12 065	35 085		7 5	0 96	9 1			26 643	31 055	35 369	39 587	43 713	506 6
979	5 208	5 125	34 383		22 8	2 15	24 9			27 172	31 745	36 215	40 586	44 858	969 2
1489	3 264	3 154	34 574	4 02	58 2	2 64	33 1			27 531	32 154	36 673	41 090	45 407	1472 5


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
OXYGEN (ML/L)
2.
3.
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5.
6.
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8.
KN 104/5
30

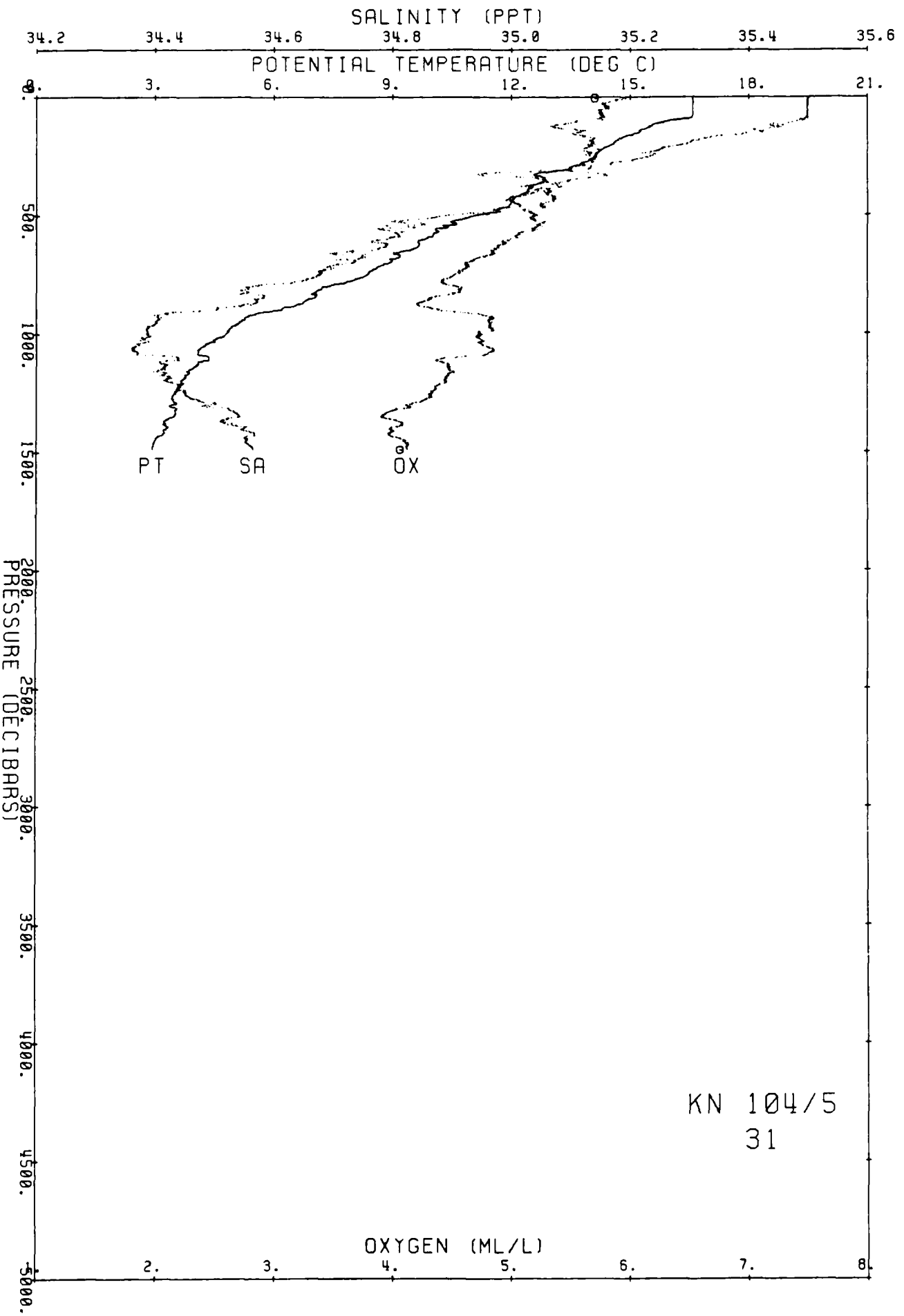

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
5.4
5.7
6.0
6.3
KN 104/5
30

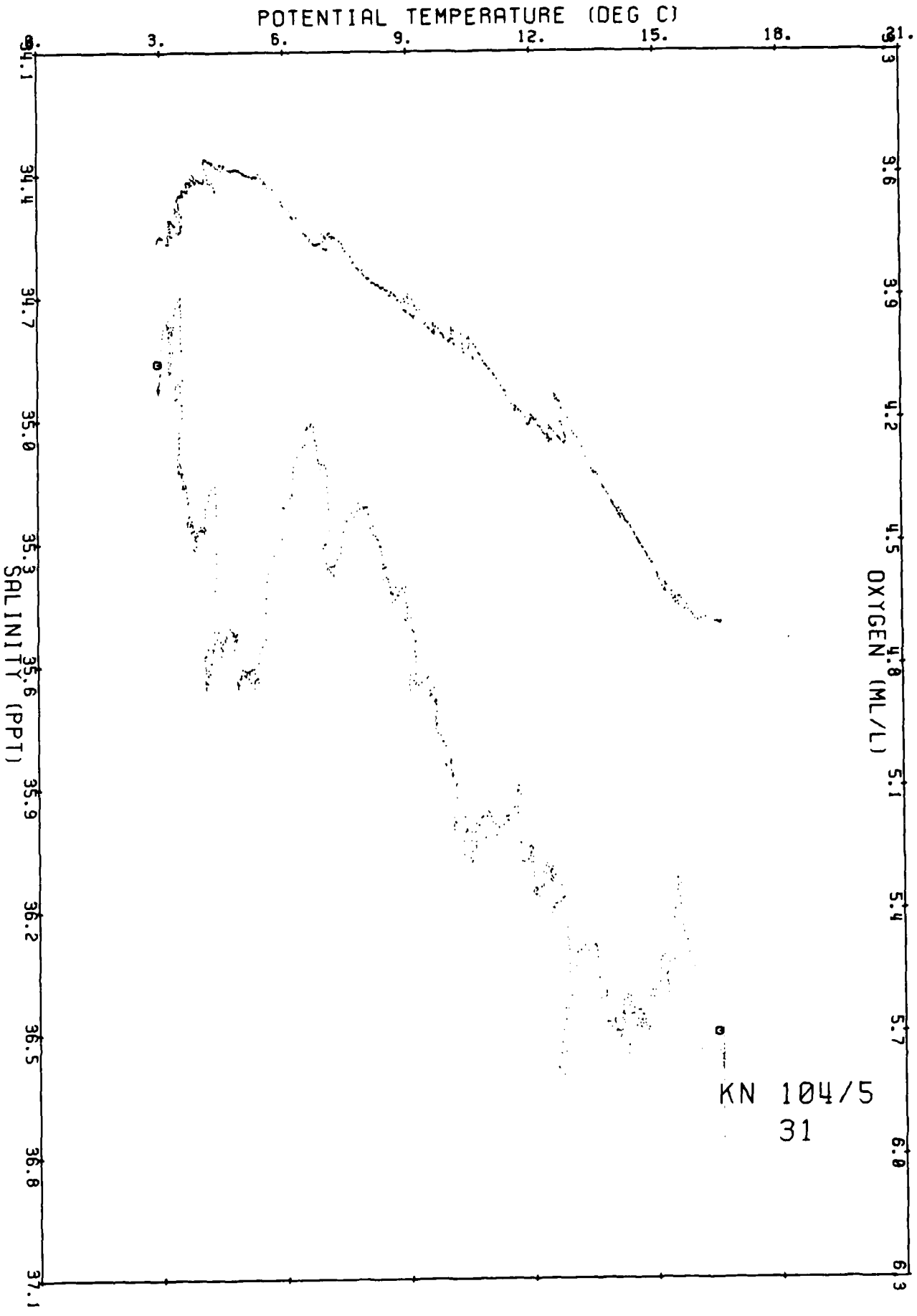

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
PT
SA
OX
KN 104/5
30
OXYGEN (ML/L)
2.
3.
4.
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6.
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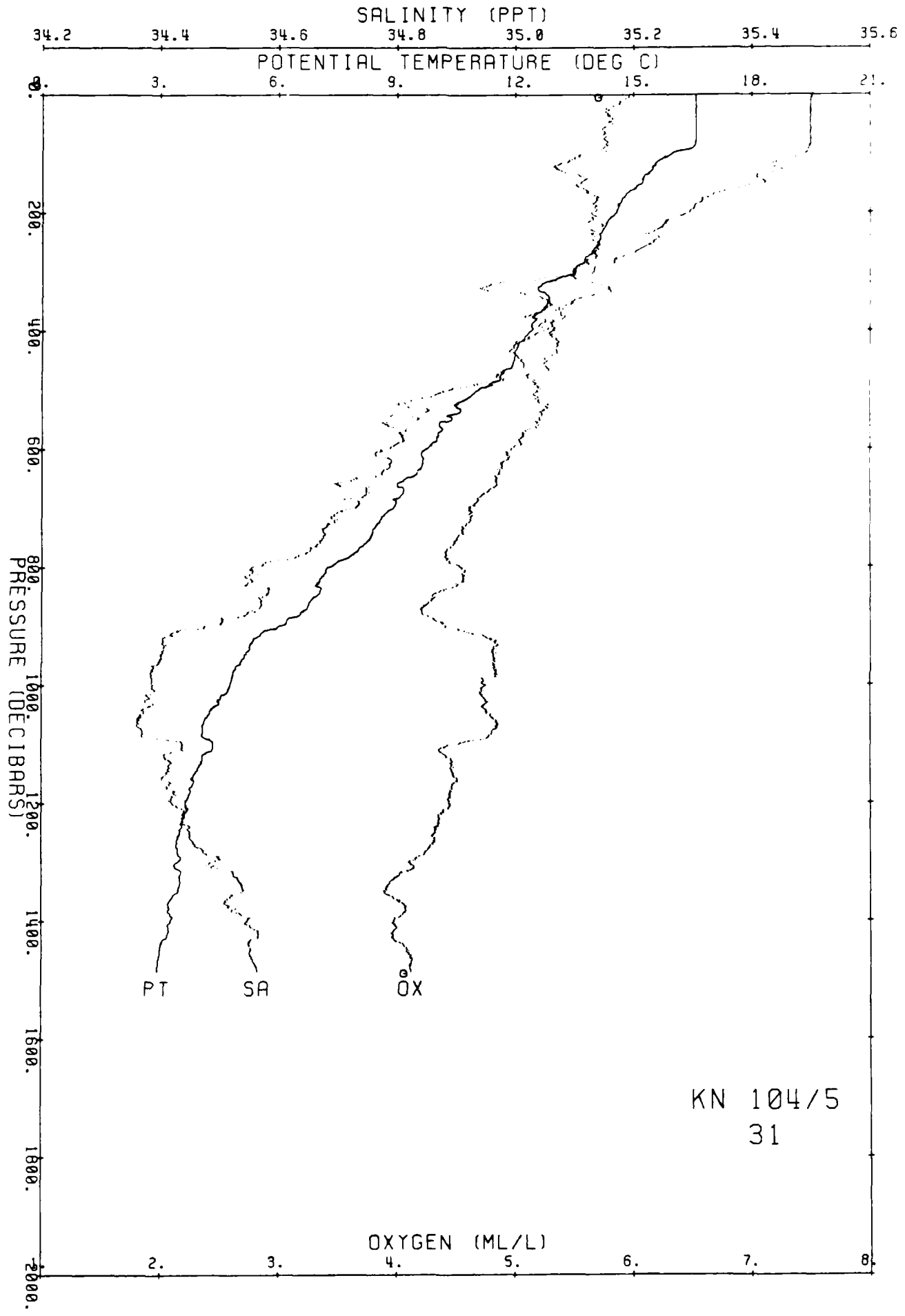
Ship KN Cruise 1045 Station 31 Cast 1 DT
Start 39 15.25 S 17 30.72 E at 552 83/11/25
End 39 16.20 S 17 30.30 E at 710

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	16.581	16.581	35.502	6.0	108.5	26.000	30.325	34.554	38.691	42.738	199.7	0.00	0.00	0.0
10	16.590	16.589	35.500	5.9	106.9	25.996	30.321	34.550	38.687	42.734	200.4	.02	1.03	10.0
20	16.595	16.592	35.500	5.8	106.2	25.996	30.320	34.550	38.686	42.733	200.8	.04	.46	19.9
30	16.592	16.587	35.499	5.8	104.9	25.996	30.321	34.550	38.687	42.734	201.1	.06	.32	29.9
40	16.592	16.586	35.499	5.8	106.0	25.996	30.321	34.550	38.687	42.734	201.4	.08	.29	39.9
50	16.594	16.586	35.499	5.8	106.0	25.996	30.321	34.550	38.687	42.734	201.8	.10	.10	49.8
60	16.594	16.585	35.499	5.7	104.0	25.997	30.321	34.551	38.688	42.735	202.1	.12	.29	59.8
70	16.590	16.579	35.499	5.8	105.0	25.998	30.323	34.552	38.689	42.736	202.3	.14	.67	69.7
80	16.586	16.573	35.499	5.8	105.1	25.999	30.324	34.554	38.691	42.738	202.6	.16	.65	79.7
90	16.522	16.507	35.496	5.7	104.4	26.012	30.339	34.569	38.707	42.756	201.7	.18	2.03	89.7
100	15.977	15.962	35.491	5.6	101.4	26.135	30.471	34.711	38.858	42.915	190.3	.20	6.22	99.6
120	15.591	15.573	35.456	5.3	95.3	26.197	30.539	34.786	38.940	43.003	185.0	.24	3.12	119.5
140	15.278	15.256	35.408	5.6	98.9	26.231	30.579	34.832	38.991	43.060	182.4	.28	2.33	139.5
160	15.082	15.058	35.379	5.6	98.5	26.252	30.605	34.861	39.024	43.096	181.0	.31	1.87	159.4
180	14.720	14.693	35.316	5.7	99.5	26.284	30.643	34.906	39.076	43.155	178.5	.35	2.26	179.3
200	14.592	14.562	35.295	5.6	98.7	26.296	30.658	34.924	39.096	43.177	177.9	.38	1.41	199.2
220	14.332	14.300	35.251	5.7	99.6	26.318	30.686	34.956	39.133	43.219	176.3	.42	1.92	219.1
240	14.201	14.166	35.242	5.7	98.3	26.340	30.710	34.983	39.162	43.250	174.9	.45	1.86	239.0
260	14.044	14.007	35.213	5.7	98.3	26.351	30.724	35.000	39.183	43.273	174.3	.49	1.38	258.9
280	13.798	13.758	35.168	5.6	96.4	26.368	30.746	35.028	39.214	43.310	173.2	.52	1.71	278.8
300	13.548	13.505	35.130	5.5	93.7	26.391	30.774	35.061	39.252	43.352	171.5	.56	1.96	298.7
320	12.736	12.692	34.958	5.7	95.5	26.422	30.822	35.125	39.332	43.448	168.6	.59	2.38	318.6
340	12.867	12.820	35.036	5.6	95.0	26.457	30.854	35.154	39.359	43.471	165.9	.63	2.31	338.5
360	12.789	12.740	35.053	5.4	90.3	26.487	30.885	35.186	39.392	43.506	163.7	.66	2.15	358.4
380	12.575	12.524	35.050	5.4	90.3	26.527	30.930	35.235	39.445	43.563	160.3	.69	2.56	378.3
400	12.461	12.408	35.048	5.3	88.9	26.548	30.953	35.261	39.473	43.593	158.8	.72	1.86	398.1
450	12.036	11.977	35.009	5.3	87.2	26.601	31.015	35.331	39.552	43.679	154.8	.80	1.88	447.8
500	11.144	11.082	34.888	5.2	84.2	26.674	31.107	35.442	39.680	43.825	148.3	.88	2.27	497.5
550	10.453	10.387	34.836	5.2	83.1	26.757	31.205	35.554	39.807	43.966	140.9	.95	2.39	547.2
600	9.839	9.769	34.779	5.0	78.3	26.819	31.281	35.643	39.908	44.079	135.5	1.02	2.08	596.9
650	9.314	9.241	34.733	4.8	75.5	26.871	31.344	35.718	39.994	44.176	131.0	1.08	1.92	646.5
700	8.999	8.921	34.731	4.6	71.4	26.921	31.401	35.782	40.065	44.253	126.9	1.15	1.85	696.1
750	8.428	8.348	34.677	4.5	68.8	26.968	31.461	35.855	40.151	44.351	122.5	1.21	1.89	745.7
800	7.352	7.272	34.555	4.5	67.5	27.030	31.550	35.968	40.288	44.512	115.7	1.27	2.27	795.3
900	6.084	6.002	34.476	4.4	63.7	27.139	31.689	36.138	40.487	44.739	104.6	1.38	2.05	894.5
1000	4.867	4.785	34.387	4.8	66.6	27.214	31.795	36.274	40.653	44.933	96.0	1.48	1.81	993.6
1100	4.435	4.347	34.439	4.5	62.7	27.303	31.896	36.385	40.774	45.064	87.6	1.57	1.77	1092.6
1200	3.741	3.651	34.421	4.5	60.7	27.361	31.972	36.479	40.885	45.191	81.2	1.66	1.57	1191.6
1300	3.522	3.426	34.486	4.1	55.7	27.435	32.051	36.564	40.975	45.286	74.5	1.74	1.58	1290.6
1400	3.370	3.266	34.547	4.0	53.9	27.499	32.119	36.635	41.050	45.364	68.9	1.81	1.46	1389.4
1486	3.041	2.934	34.564	4.1	55.3	27.543	32.172	36.697	41.120	45.442	64.2	1.86	1.44	1474.4

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	16.476	16.475	35.501	5.70	3.7	0.29	1.5	0.10	0.20	26.024	30.350	34.582	38.720	42.769	4.2
13	16.478	16.476	35.498		4.2	0.27	1.5	0.10	0.23	26.021	30.348	34.579	38.718	42.767	13.3
28	16.484	16.480	35.497		4.3	0.26	1.6	0.10		26.020	30.346	34.577	38.716	42.765	27.4
52	16.492	16.484	35.497		4.4	0.25	1.6	0.11		26.019	30.345	34.576	38.715	42.763	52.0
102	15.919	15.903	35.490		5.5	0.42	4.2	0.08		26.148	30.484	34.725	38.873	42.931	101.0
151	15.274	15.251	35.425		5.0	0.41	4.3	0.07		26.245	30.594	34.846	39.006	43.074	149.7
200	14.656	14.626	35.313			0.41				26.296	30.657	34.921	39.092	43.172	198.4
300	13.376	13.334	35.098		3.1	0.59	4.5	0.03		26.407	30.788	35.078	39.273	43.376	297.4
399	12.253	12.200	35.021		7.0	0.85	9.5	0.02		26.568	30.977	35.288	39.505	43.629	395.7
502	11.058	10.995	34.888		7.0	1.08	12.9	0.01		26.690	31.124	35.461	39.701	43.848	497.1
1002	4.848	4.766	34.389		17.0	2.29	18.3		0.26	27.218	31.800	36.279	40.658	44.938	992.1
1489	3.039	2.932	34.567	4.06	34.5	2.61	19.9		0.20	27.546	32.175	36.699	41.122	45.445	1472.2


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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31

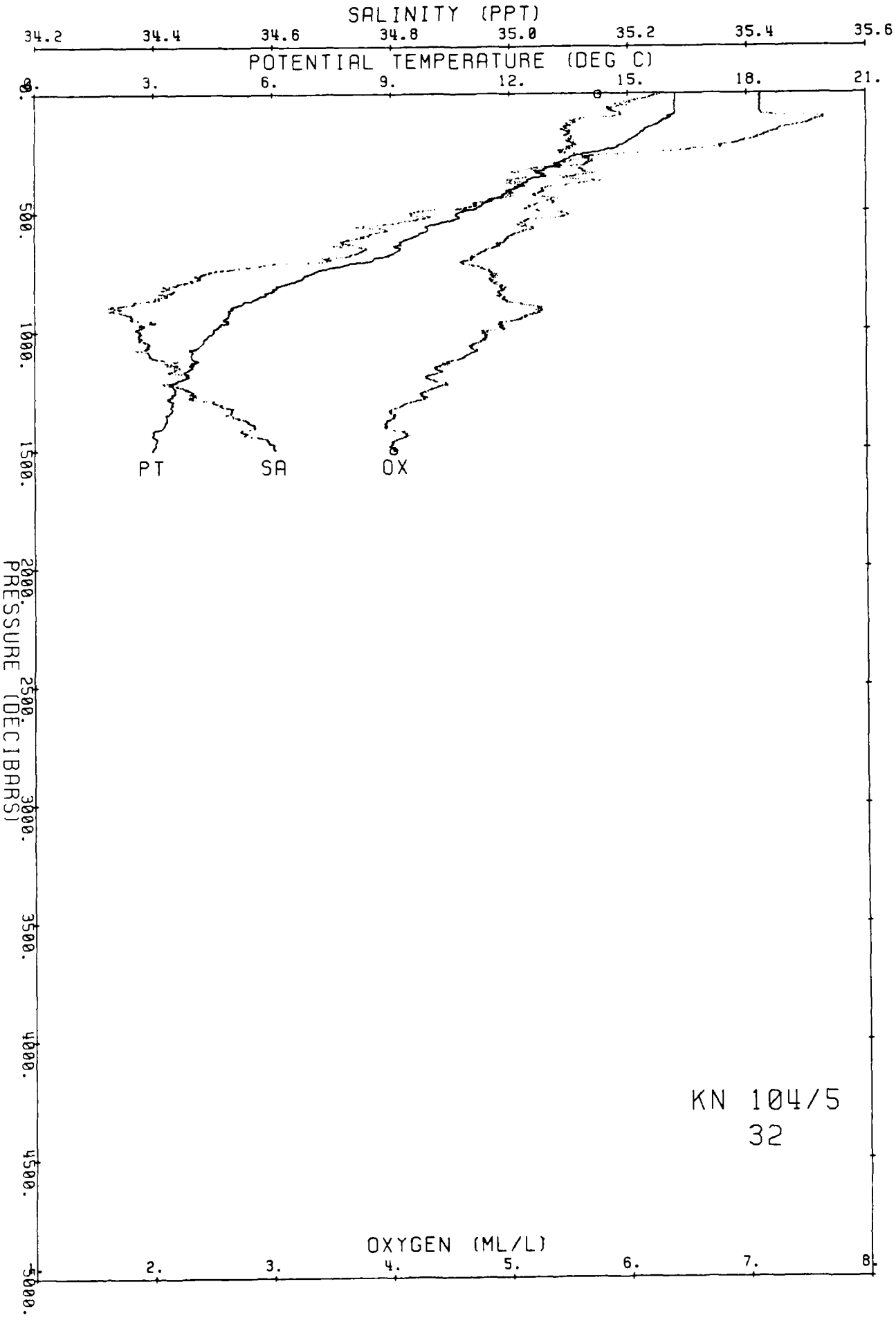

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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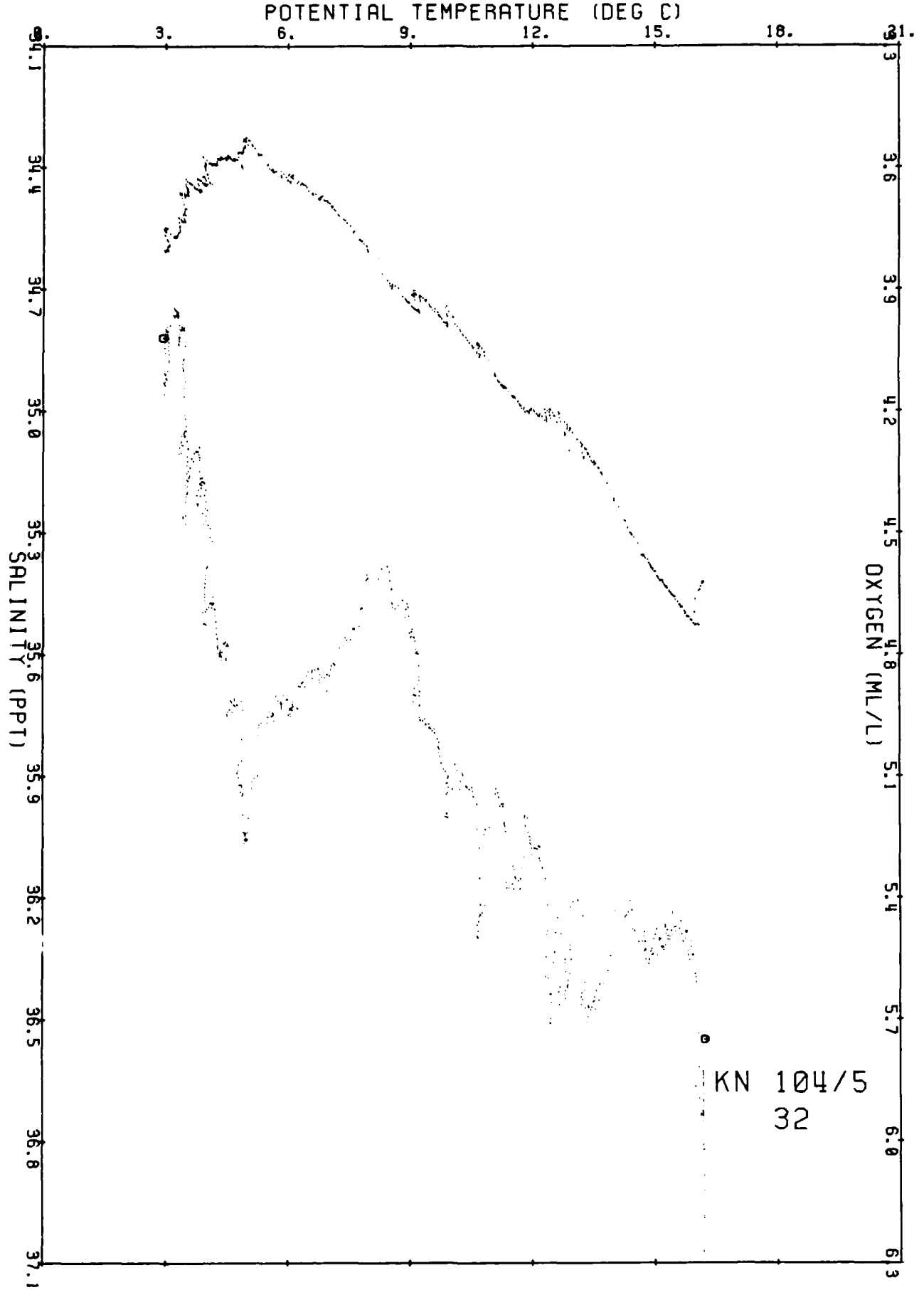

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
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SA
OX
KN 104/5
31
OXYGEN (ML/L)
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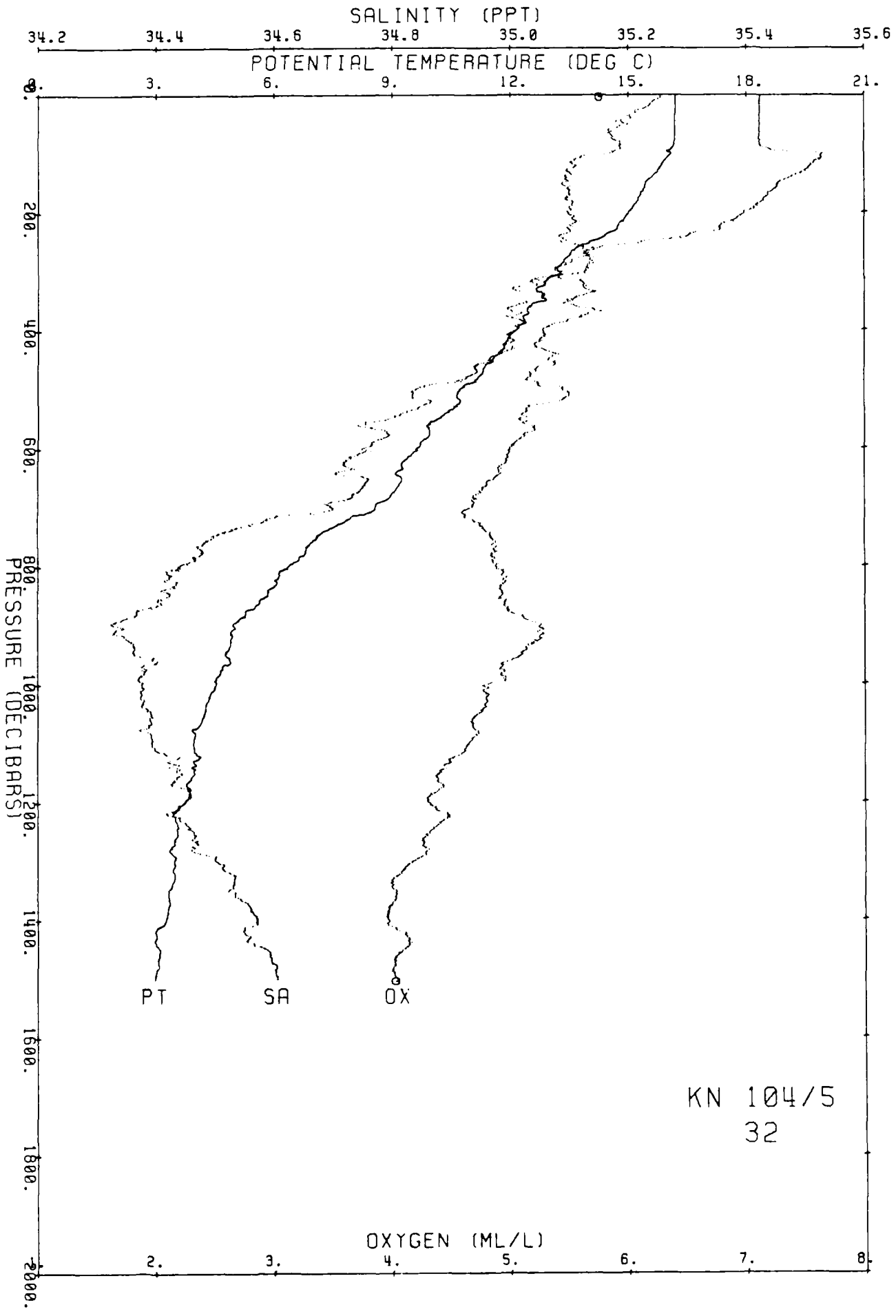
Ship KN Cruise 1045 Station 32 Cast 1 DT
Start 39 14.57 S 17 18.29 E at 845 83/11/25
End 39 15.44 S 17 21.09 E at 1000

PR	TE	PT	SA	DX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	16.208	16.208	35.423	6.3	113.2	26.026	30.358	34.594	38.738	42.791	197.2	0.00	0.00	0.0
10	16.206	16.204	35.421	6.2	112.3	26.025	30.357	34.593	38.737	42.790	197.6	.02	.51	10.0
20	16.208	16.204	35.423	6.2	111.4	26.027	30.359	34.595	38.738	42.792	197.8	.04	.70	19.9
30	16.198	16.194	35.423	6.1	109.5	26.029	30.361	34.598	38.741	42.795	197.9	.06	.88	29.9
40	16.195	16.189	35.422	6.0	108.7	26.030	30.362	34.598	38.742	42.796	198.2	.08	1.36	39.9
50	16.194	16.187	35.422	6.0	108.2	26.030	30.362	34.599	38.743	42.796	198.5	.10	1.39	49.8
60	16.192	16.183	35.422	5.8	105.3	26.031	30.363	34.600	38.744	42.798	198.8	.12	1.51	59.8
70	16.192	16.181	35.422	5.9	105.8	26.032	30.364	34.600	38.744	42.798	199.1	.14	1.39	69.7
80	16.188	16.175	35.422	5.9	107.1	26.033	30.365	34.602	38.746	42.800	199.3	.16	1.64	79.7
90	16.147	16.133	35.434	5.9	107.0	26.052	30.385	34.622	38.767	42.821	197.9	.18	2.44	89.7
100	16.098	16.083	35.529	5.8	104.9	26.137	30.470	34.707	38.852	42.907	190.2	.20	5.15	99.6
120	15.869	15.850	35.509	5.6	99.7	26.175	30.512	34.754	38.903	42.961	187.2	.24	2.45	119.5
140	15.618	15.596	35.476	5.5	97.8	26.207	30.549	34.795	38.949	43.011	184.8	.27	2.27	139.5
160	15.426	15.402	35.448	5.5	97.5	26.229	30.575	34.825	38.981	43.048	183.3	.31	1.89	159.4
180	15.277	15.249	35.429	5.5	97.8	26.248	30.597	34.850	39.009	43.078	182.0	.35	1.77	179.3
200	15.031	15.001	35.396	5.5	96.8	26.278	30.631	34.889	39.053	43.126	179.8	.38	2.19	199.2
220	14.798	14.765	35.358	5.5	97.0	26.300	30.658	34.920	39.088	43.165	178.2	.42	1.91	219.1
240	14.441	14.405	35.300	5.4	94.2	26.333	30.698	34.967	39.142	43.225	175.6	.45	2.33	239.0
260	13.738	13.701	35.151	5.7	97.8	26.367	30.746	35.029	39.217	43.313	172.7	.49	2.41	258.9
280	13.429	13.390	35.106	5.7	96.6	26.397	30.782	35.070	39.264	43.366	170.3	.52	2.21	278.8
300	13.258	13.216	35.088	5.6	95.7	26.418	30.807	35.099	39.296	43.401	168.8	.56	1.88	298.7
320	12.909	12.865	35.038	5.6	94.7	26.450	30.846	35.145	39.349	43.460	166.1	.59	2.31	318.6
340	12.868	12.821	35.058	5.6	94.8	26.474	30.871	35.170	39.375	43.487	164.4	.62	1.96	338.5
360	12.563	12.514	35.005	5.6	93.0	26.494	30.897	35.203	39.413	43.531	162.8	.66	1.85	358.4
380	12.385	12.334	35.005	5.5	92.4	26.529	30.936	35.245	39.459	43.580	159.9	.69	2.39	378.3
400	12.197	12.144	35.011	5.3	87.5	26.571	30.981	35.294	39.511	43.636	156.4	.72	2.59	398.1
450	11.585	11.528	34.964	5.3	87.2	26.651	31.074	35.399	39.629	43.765	149.6	.80	2.32	447.8
500	10.784	10.722	34.840	5.4	87.5	26.701	31.142	35.484	39.730	43.882	145.3	.87	1.92	497.5
550	10.227	10.161	34.792	5.1	80.8	26.762	31.215	35.569	39.827	43.990	140.2	.94	2.05	547.2
600	9.686	9.617	34.749	5.0	78.4	26.821	31.286	35.652	39.920	44.095	135.1	1.01	2.03	596.9
650	9.301	9.227	34.757	4.9	75.7	26.892	31.365	35.739	40.016	44.197	129.0	1.08	2.18	646.5
700	8.933	8.854	34.697	4.7	71.6	26.952	31.441	35.829	40.121	44.317	123.4	1.14	2.10	696.1
750	8.554	8.481	34.498	4.8	71.4	27.012	31.537	35.960	40.285	44.513	116.2	1.20	2.32	745.7
800	8.220	8.146	34.439	4.9	70.8	27.065	31.607	36.048	40.390	44.634	110.7	1.26	2.04	795.3
900	7.548	7.474	34.336	5.2	73.7	27.152	31.729	36.204	40.578	44.854	101.0	1.36	1.91	894.5
1000	6.926	6.856	34.377	4.8	66.5	27.235	31.823	36.308	40.693	44.979	93.4	1.46	1.70	993.6
1100	6.351	6.287	34.395	4.6	63.7	27.309	31.911	36.411	40.809	45.108	86.1	1.55	1.66	1092.6
1200	5.815	5.754	34.450	4.3	58.8	27.377	31.985	36.491	40.895	45.199	80.0	1.63	1.53	1191.6
1300	5.567	5.470	34.502	4.2	56.5	27.443	32.058	36.570	40.979	45.290	73.9	1.71	1.52	1290.5
1400	5.354	5.251	34.571	4.0	53.6	27.519	32.139	36.656	41.071	45.386	67.0	1.78	1.61	1389.4
1500	5.090	4.981	34.606	4.0	54.3	27.572	32.200	36.723	41.144	45.465	61.8	1.84	1.40	1488.2
1501	5.077	4.968	34.603	4.0	54.2	27.571	32.199	36.722	41.144	45.466	61.9	1.84	-9.99	1489.2

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	16.215	16.214	35.428	5.75	3.6	0.29	1.6	0.03	0.20	26.028	30.360	34.596	38.739	42.793	3.8
14	16.208	16.206	35.425		1.6	0.24	0.9	0.02		26.028	30.360	34.596	38.740	42.793	13.7
28	16.184	16.180	35.425		3.7	0.23	1.0	0.01		26.034	30.366	34.603	38.747	42.801	27.3
52	16.171	16.163	35.425		5.0	0.23	1.2	0.02		26.038	30.371	34.608	38.752	42.806	51.9
103	15.938	15.922	35.479		5.0	0.31	2.3	0.15		26.135	30.471	34.712	38.860	42.918	102.1
153	15.518	15.494	35.469		6.9	0.43	4.5	0.03		26.224	30.568	34.817	38.972	43.036	152.0
204	15.047	15.016	35.405		6.5	0.47	3.2	0.03		26.282	30.635	34.892	39.055	43.128	201.8
304	13.286	13.243	35.116		6.2	0.64	5.0	0.02		26.434	30.822	35.113	39.310	43.415	301.1
403	12.176	12.123	35.013		5.4	0.84	10.5	0.01		26.576	30.987	35.300	39.518	43.643	399.1
499	10.826	10.764	34.854		6.2	0.98	12.1			26.705	31.145	35.486	39.731	43.882	494.0
999	4.568	4.488	34.381		29.9	2.16	30.9			27.242	31.831	36.318	40.703	44.990	988.3
1503	3.051	2.942	34.607	4.02	56.6	2.47	32.0			27.577	32.205	36.729	41.152	45.474	1486.3


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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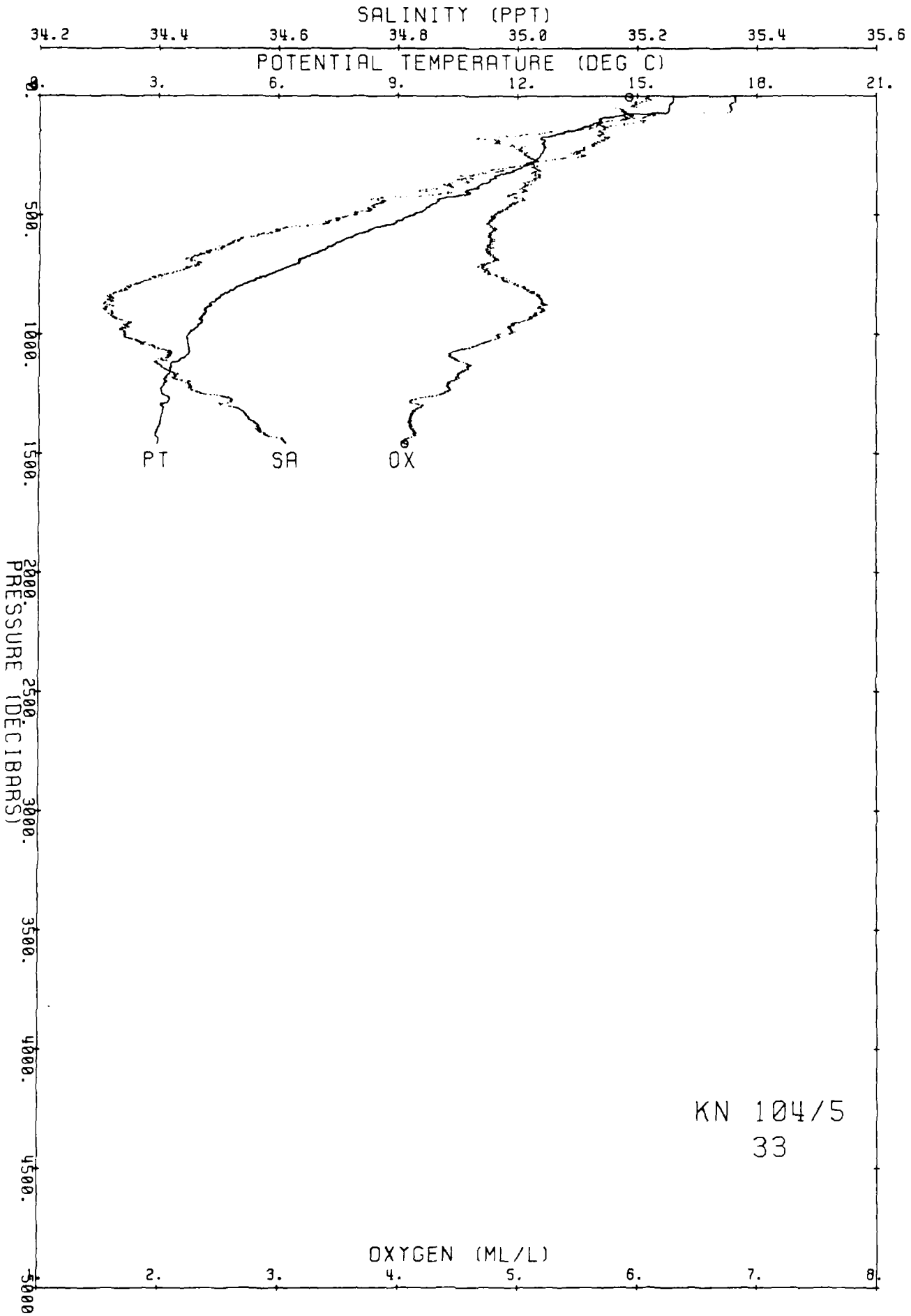

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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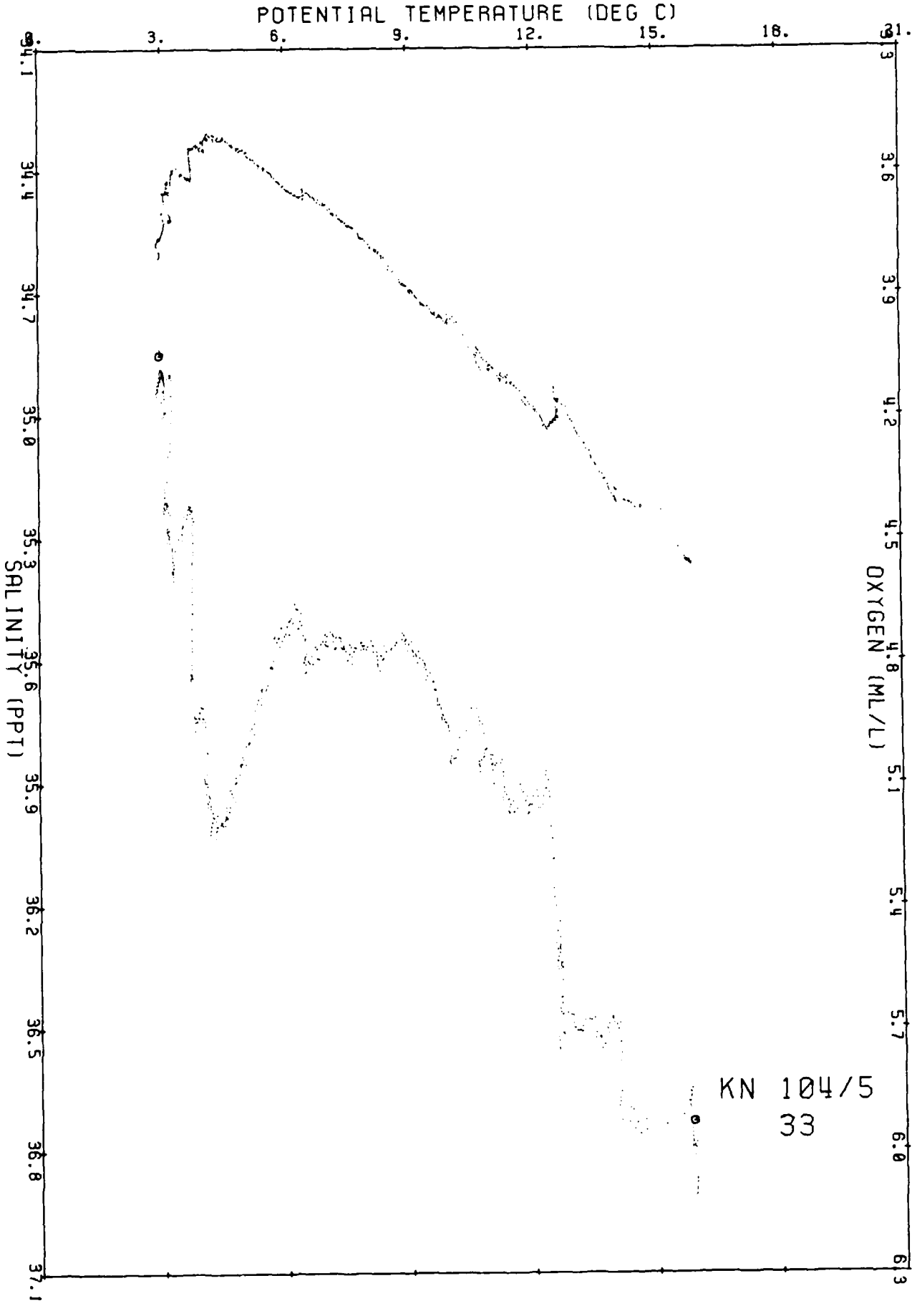

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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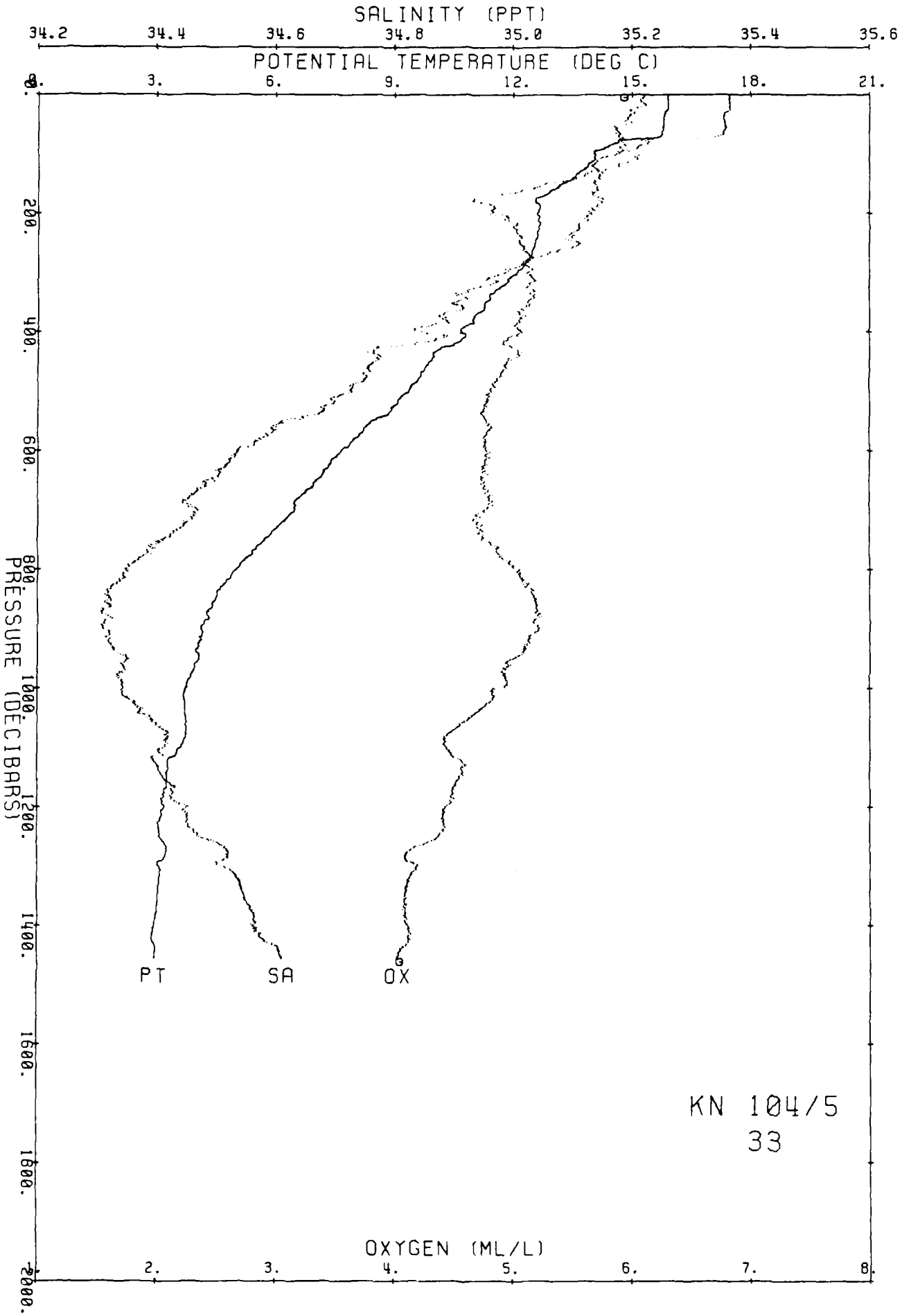
Ship KN Cruise 1045 Station 33 Cast 1 DT
Start 39 14.76 S 16 51.78 E at 1333 83/11/25
End 39 16.02 S 16 52.25 E at 1443

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	15 898	15 898	35 363	6.1	110 0	26.051	30 389	34 631	38 780	42 838	194 8	0 00	0 00	0 0
10	15 906	15 904	35 363	6.1	108.9	26.050	30 387	34 629	38 778	42 836	195 3	02	.68	10 0
20	15 905	15 902	35.363	6.1	109.0	26.050	30.388	34 629	38 778	42 837	195 6	04	.39	19 9
30	15 857	15 853	35 359	6.0	107.8	26 058	30 397	34.639	38 789	42.849	195 2	06	1 61	29 9
40	15 810	15 804	35 355	6.0	106.9	26.066	30.406	34.649	38 800	42.860	194 7	08	1.59	39.9
50	15 802	15 794	35 357	5.9	106.5	26.070	30 410	34.653	38 804	42 864	194 7	10	1 10	49 8
60	15 793	15 784	35 356	5.9	105.1	26.072	30.411	34.655	38 806	42 867	194 9	12	69	59 8
70	15 736	15 725	35 346	5.9	105.2	26.077	30.418	34 663	38 815	42 877	194 7	14	1.35	69 7
80	14 671	14 659	35 229	5.9	103.7	26 224	30.585	34 849	39 020	43 100	181 0	.16	6 81	79.7
90	14 310	14 297	35 210	5.9	102.4	26.287	30 655	34.926	39 103	43 189	175 2	.17	4 48	89 7
100	14 063	14 049	35.204	5.9	101.5	26 335	30 708	34.983	39 165	43 255	170 9	19	3.90	99.6
120	13 904	13 887	35 178	5.7	97.7	26.349	30.725	35 004	39 188	43 281	170.2	22	1 50	119 5
140	13 506	13 487	35.106	5.7	97.5	26.377	30.760	35.047	39 239	43 339	168 1	.26	2 11	139 4
160	13 034	13 012	35 016	5.7	96.4	26.403	30 797	35.093	39 294	43 403	166 0	.29	2 10	159 4
180	12 591	12 567	34 935	5 7	96 2	26 429	30.832	35.137	39 347	43 465	164 0	.32	2.07	179 3
200	12 630	12 604	34 960	5.7	94 7	26.441	30.843	35.147	39.357	43 473	163 4	.36	1 38	199 2
220	12 688	12 659	35 003	5 6	93.1	26 464	30 864	35 167	39 375	43.491	161 8	39	1 86	219.1
240	12 638	12 606	35 014	5 5	92.4	26.483	30 884	35.188	39.397	43.513	160.6	42	1.73	239 0
260	12 550	12 515	35 020	5 4	90.3	26.505	30 908	35.214	39 424	43 542	159 0	45	1 89	258 9
280	12 393	12 356	35 024	5 1	84 9	26 540	30 946	35 254	39 468	43 589	156 2	.49	2.34	278 8
300	12 126	12 086	34 987	5 1	84.8	26 563	30 975	35 289	39 508	43 634	154 4	.52	1 98	298 7
320	11 860	11 819	34 963	5.1	84 7	26 595	31 013	35.332	39 556	43 687	151 7	.55	2 31	318 5
340	11 436	11 393	34 905	5 2	84 4	26 630	31.057	35 385	39 617	43 756	148 6	.58	2.43	338 4
360	11 317	11 272	34 917	5 1	82 6	26 662	31 091	35 421	39 656	43 797	146 1	.61	2.25	358 3
380	11 016	10 969	34 886	5.0	81 5	26 693	31 128	35 465	39 706	43 853	143 4	.64	2 29	378 2
400	10 753	10 704	34 847	5.1	81.6	26 710	31 151	35.494	39 740	43 892	142 1	66	1 74	398 1
450	9 957	9.904	34.768	5.0	78.2	26.788	31 246	35 606	39 868	44 037	135 2	.73	2.31	447 8
500	9 427	9 371	34 729	4.8	75.2	26.846	31 317	35 688	39 962	44.141	130 2	80	2.01	497 5
550	8 513	8 454	34 612	4 8	73.0	26.900	31 392	35 784	40 078	44.276	125 1	.86	2.02	547 1
600	7 719	7 659	34 538	4 8	71.6	26.962	31.472	35 882	40 194	44 409	119 2	.93	2.12	596 8
650	7 078	7 015	34 484	4.7	70 0	27 010	31 536	35 961	40 288	44 517	114.6	.98	1.91	646 4
700	6 548	6 484	34.470	4.7	69 2	27 071	31 610	36.048	40 386	44.627	108.8	1 04	2.09	696 0
750	5.791	5.726	34.409	4.7	67.9	27 120	31 678	36.134	40.490	44.748	103 6	1.09	1 98	745.6
800	5.083	5.017	34.348	5.1	71.1	27 157	31.732	36 206	40.579	44 854	99.5	1.14	1.78	795 2
900	4 205	4.137	34 311	5 2	72.0	27.224	31 823	36 319	40 713	45 009	92 4	1 24	1.65	894 4
1000	3.829	3.755	34.345	4.8	66.1	27.290	31 899	36 404	40.808	45.113	86.3	1.33	1.53	993.4
1100	3.690	3.609	34.412	4.4	60.6	27 358	31.970	36.478	40.886	45 193	80 5	1.41	1.49	1092.5
1200	3.296	3.210	34.455	4.4	59.8	27 431	32.053	36.571	40.988	45.305	73.4	1.49	1.62	1191.5
1300	3 162	3.069	34.515	4.2	56.4	27.492	32.117	36.639	41.059	45.379	68.1	1 56	1.42	1290.4
1400	3.056	2 956	34.563	4.1	55.3	27.540	32.169	36.693	41 115	45.437	63.9	1.63	1 28	1389.3
1457	3 054	2.949	34.611	4.0	54.1	27.579	32.207	36.731	41.153	45.475	60 8	1.66	1 45	1445.6

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	15 837	15 836	35 364	5.93	3.1	0.23	0 9	0 03	0 20	26.066	30.405	34.648	38.798	42.857	4.5
15	15 840	15 838	35 362		3.3	0.23	1 0	0 04		26.064	30.403	34.646	38.796	42.855	14.4
26	15 848	15 844	35.363		4.6	0.23	1.0	0.03		26.064	30.402	34.645	38.795	42.854	26 1
62	15 788	15.778	35 368		5.3	0.22	1 2	0.04		26.082	30.422	34 666	38.817	42.877	61 1
111	14.097	14 081	35.213		4.6	0.41	1.3	0.16		26.335	30.707	34.982	39.163	43.252	110.3
160	12.941	12.919	35.004		5.8	0.52	4.3	0.14		26.413	30.808	35.106	39 309	43.420	158.8
209	12.643	12.615	34.986		5.9	0.59	5.3	0 02		26.459	30.861	35.165	39 373	43.490	206.9
307	11.998	11.958	34.983		6.8	0.82	4.8	0.01		26.585	30.999	35.316	39.537	43.665	304.3
412	10.709	10 659	34 868		8.0	1.10	7.5			26 735	31.176	35.520	39.767	43.920	408.1
509	9 309	9.252	34.716		8.2	1.36	15.8			26.855	31.329	35.702	39.979	44.161	504.8
976	3.973	3.900	34 341		31.6	2.27	33.2			27.272	31.877	36.379	40.779	45 080	965.8
1461	3.052	2.947	34.612	4.05	50.3	2.44	28.9			27.580	32.208	36.732	41.155	45.477	1444.4


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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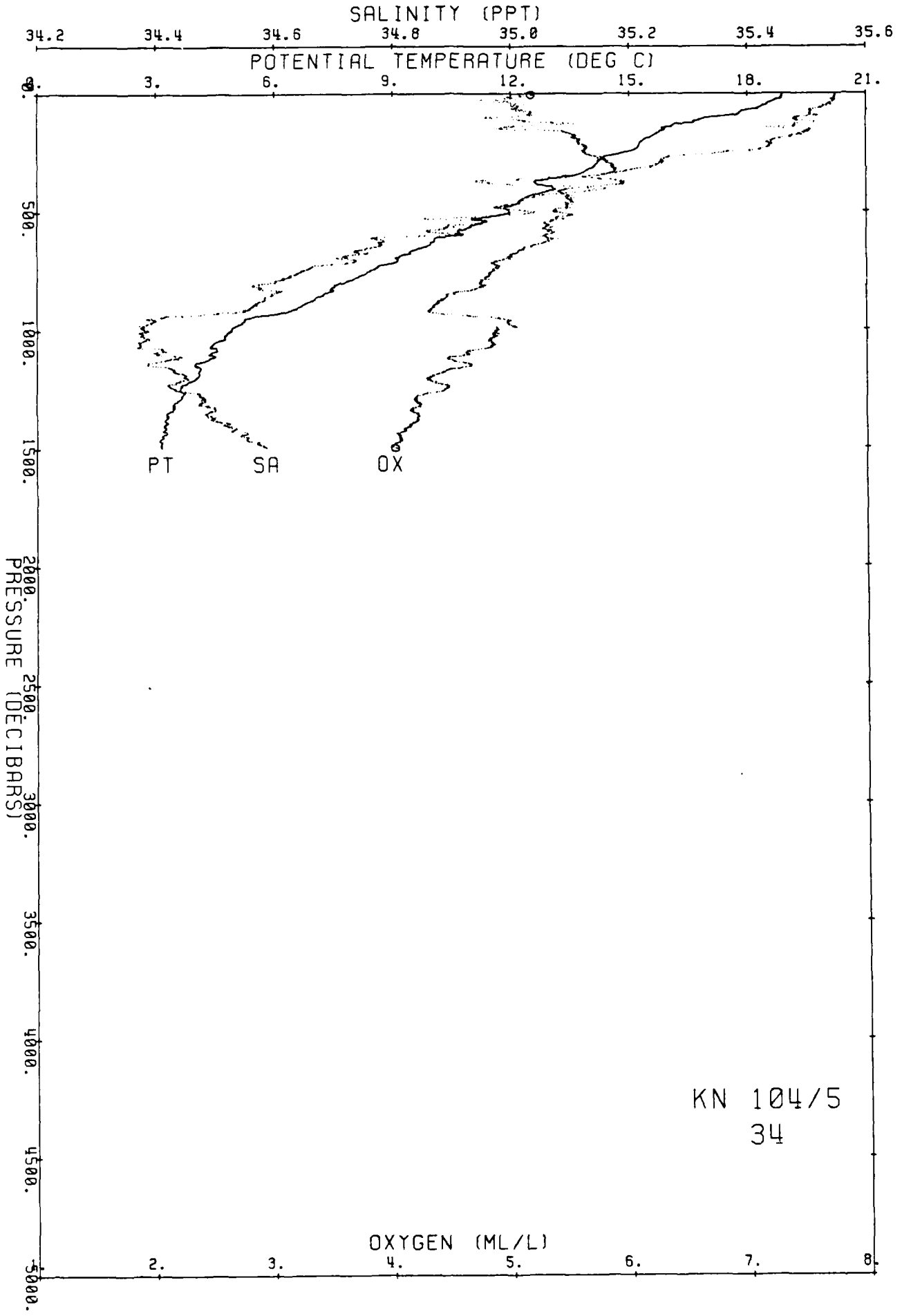

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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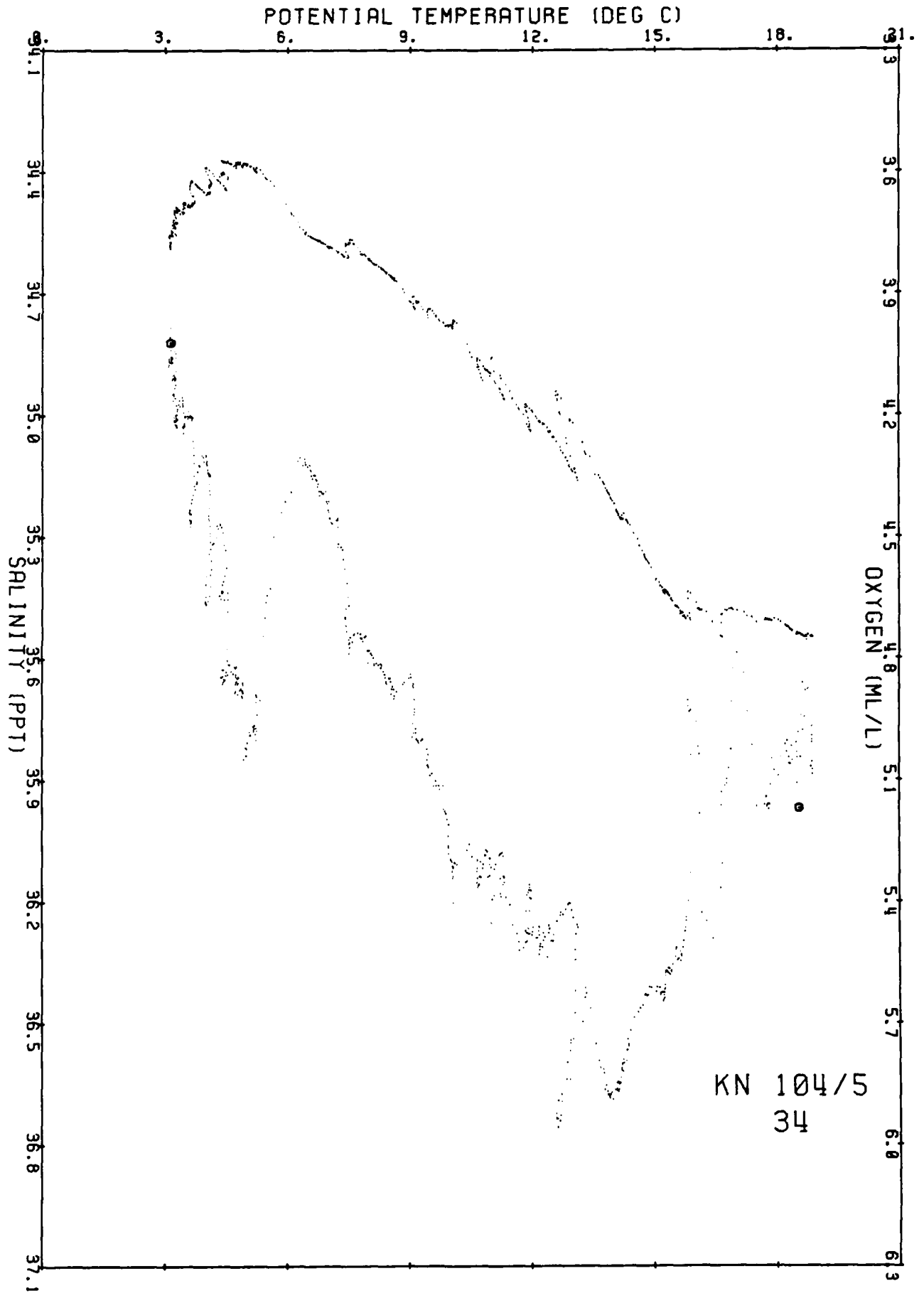

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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KN 104/5
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OXYGEN (ML/L)
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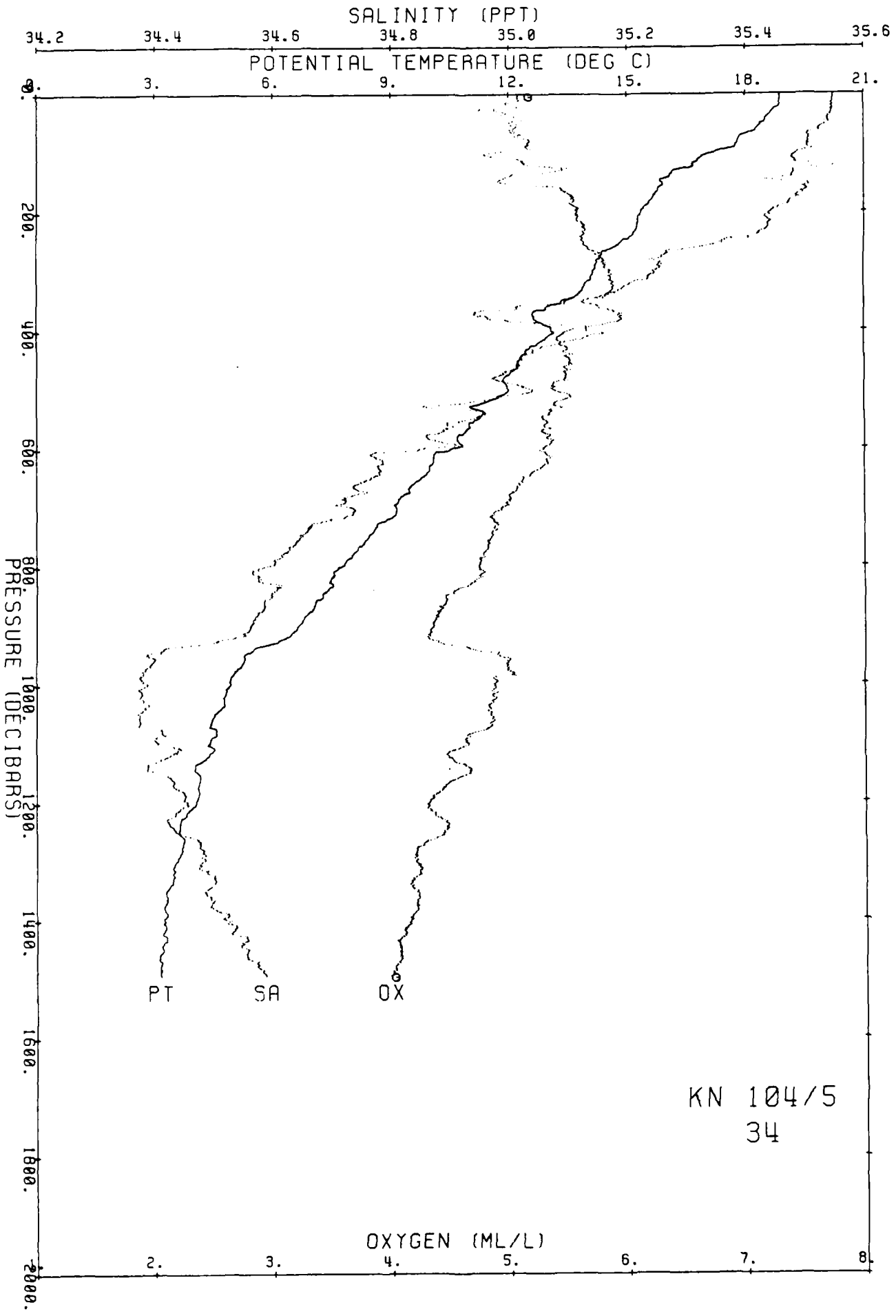
Ship KN Cruise 1045 Station 34 Cast 1 DT
Start 39 15.78 S 17 44.73 E at 1847 83/11/25
End 39 16.42 S 17 47.25 E at 1956

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	18.878	18.878	35.549	5.1	96.6	25.473	29.759	33.951	38.052	42.064	249.8	0.00	0.00	0.0
10	18.877	18.875	35.548	5.1	96.8	25.473	29.759	33.952	38.052	42.064	250.1	.02	.15	10.0
20	18.876	18.873	35.548	5.0	95.0	25.474	29.760	33.952	38.053	42.065	250.5	.05	.43	19.9
30	18.691	18.686	35.548	4.9	93.8	25.521	29.810	34.006	38.109	42.124	246.3	.07	3.86	29.9
40	18.538	18.531	35.540	5.0	94.2	25.554	29.846	34.044	38.150	42.167	243.6	.10	3.23	39.9
50	18.399	18.391	35.533	5.1	95.2	25.584	29.878	34.078	38.186	42.206	241.1	.12	3.07	49.8
60	18.278	18.267	35.524	5.0	94.1	25.608	29.904	34.106	38.216	42.238	239.2	.15	2.75	59.8
70	17.967	17.955	35.504	5.1	94.9	25.670	29.972	34.179	38.294	42.320	233.6	.17	4.42	69.8
80	17.820	17.807	35.506	5.2	96.4	25.708	30.012	34.222	38.339	42.367	230.4	.19	3.47	79.7
90	17.750	17.735	35.504	5.1	95.7	25.724	30.030	34.240	38.359	42.388	229.2	.22	2.25	89.7
100	17.209	17.192	35.488	4.8	89.1	25.844	30.158	34.378	38.505	42.542	218.1	.24	6.14	99.7
120	16.668	16.649	35.513	5.2	94.1	25.992	30.316	34.544	38.680	42.726	204.6	.28	4.84	119.6
140	16.092	16.070	35.479	5.0	89.9	26.101	30.435	34.673	38.818	42.873	194.9	.32	4.15	139.5
160	15.804	15.779	35.502	5.4	97.5	26.185	30.524	34.767	38.917	42.977	187.5	.36	3.65	159.4
180	15.623	15.595	35.476	5.5	99.0	26.207	30.549	34.796	38.949	43.012	186.1	.40	1.87	179.3
200	15.379	15.349	35.443	5.6	99.1	26.237	30.584	34.835	38.992	43.059	183.8	.43	2.20	199.2
220	15.283	15.250	35.437	5.6	99.7	26.254	30.603	34.856	39.015	43.084	182.8	.47	1.67	219.2
240	15.164	15.127	35.414	5.6	99.3	26.264	30.615	34.870	39.031	43.102	182.5	.51	1.25	239.1
260	14.696	14.657	35.323	5.7	99.2	26.297	30.657	34.921	39.091	43.170	179.8	.54	2.35	259.0
280	14.308	14.267	35.243	5.8	100.7	26.319	30.687	34.958	39.136	43.222	178.1	.58	1.96	278.9
300	14.184	14.140	35.245	5.9	101.3	26.348	30.718	34.992	39.171	43.260	176.0	.62	2.14	298.8
320	13.992	13.946	35.206	5.9	101.3	26.358	30.733	35.010	39.193	43.285	175.4	.65	1.37	318.7
340	13.797	13.749	35.165	5.8	99.9	26.368	30.746	35.028	39.215	43.310	175.0	.69	1.31	338.5
360	12.998	12.948	35.011	5.7	97.1	26.412	30.807	35.104	39.307	43.417	170.8	.72	2.80	358.4
380	12.683	12.632	34.964	6.0	99.9	26.439	30.840	35.144	39.352	43.469	168.7	.75	2.13	378.3
400	13.117	13.062	35.131	5.5	93.4	26.483	30.874	35.169	39.368	43.476	165.5	.79	2.50	398.2
450	12.319	12.259	35.021	5.5	91.7	26.556	30.964	35.275	39.490	43.613	159.2	.87	2.25	447.9
500	12.049	11.983	35.040	5.4	88.9	26.624	31.038	35.353	39.574	43.701	153.9	.95	2.10	497.6
550	11.268	11.199	34.934	5.3	86.0	26.688	31.119	35.451	39.687	43.829	148.3	1.02	2.14	547.3
600	10.614	10.541	34.855	5.3	84.8	26.745	31.190	35.536	39.785	43.941	143.4	1.10	2.02	596.9
650	9.829	9.753	34.766	5.1	80.6	26.812	31.274	35.636	39.902	44.073	137.3	1.17	2.20	646.6
700	9.200	9.122	34.733	4.9	76.7	26.890	31.366	35.742	40.021	44.205	130.1	1.23	2.34	696.2
750	8.502	8.422	34.646	4.8	74.0	26.932	31.424	35.817	40.111	44.310	126.0	1.30	1.84	745.8
800	7.810	7.728	34.585	4.7	71.2	26.988	31.497	35.905	40.215	44.428	120.4	1.36	2.07	795.4
900	6.717	6.631	34.561	4.4	63.8	27.124	31.658	36.091	40.426	44.663	107.3	1.47	2.22	894.6
1000	4.994	4.911	34.387	4.9	68.3	27.200	31.778	36.254	40.629	44.906	97.6	1.57	1.92	993.7
1100	4.469	4.382	34.402	4.7	64.6	27.270	31.862	36.351	40.739	45.028	90.8	1.67	1.63	1092.7
1200	4.129	4.036	34.453	4.3	59.3	27.348	31.948	36.445	40.841	45.138	83.6	1.76	1.65	1191.7
1300	3.621	3.524	34.478	4.2	57.1	27.419	32.033	36.543	40.951	45.260	76.3	1.84	1.66	1290.7
1400	3.344	3.241	34.528	4.2	56.1	27.486	32.107	36.624	41.039	45.355	70.0	1.91	1.54	1389.5
1494	3.253	3.143	34.587	4.0	53.7	27.542	32.165	36.684	41.102	45.419	65.2	1.97	1.40	1482.4

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	18.550	18.549	35.555	5.17	6.1	0.38	1.1	0.05	0.20	25.561	29.853	34.050	38.155	42.172	4.7
15	18.541	18.538	35.553		5.9	0.33	2.6	0.05		25.562	29.854	34.051	38.157	42.174	15.2
27	18.517	18.512	35.553		5.9	0.33	2.6	0.05		25.569	29.861	34.059	38.165	42.182	27.2
52	18.464	18.455	35.546		5.6	0.33	2.6	0.05		25.578	29.871	34.070	38.177	42.195	51.7
112	16.624	16.606	35.528		4.1	0.33	1.9	0.16		26.014	30.338	34.567	38.703	42.750	111.3
162	15.731	15.706	35.500		7.6	0.40	4.4	0.03		26.200	30.541	34.785	38.936	42.997	160.5
211	15.273	15.241	35.440		6.7	0.45	3.2	0.03		26.259	30.608	34.860	39.020	43.089	208.8
313	13.919	13.874	35.191		6.3	0.48	4.5	0.03		26.362	30.738	35.017	39.201	43.295	310.7
408	13.120	13.063	35.149		7.0	0.67	9.9	0.02		26.496	30.888	35.182	39.382	43.489	404.5
506	11.935	11.868	35.024		7.0	0.79	11.4	0.01		26.633	31.049	35.367	39.590	43.720	501.8
1005	4.948	4.865	34.385		26.6	2.11	28.7	0.01		27.203	31.783	36.260	40.636	44.915	994.5
1497	3.251	3.140	34.589	4.02	61.9	2.50	37.1	0.01		27.544	32.167	36.686	41.104	45.421	1480.3


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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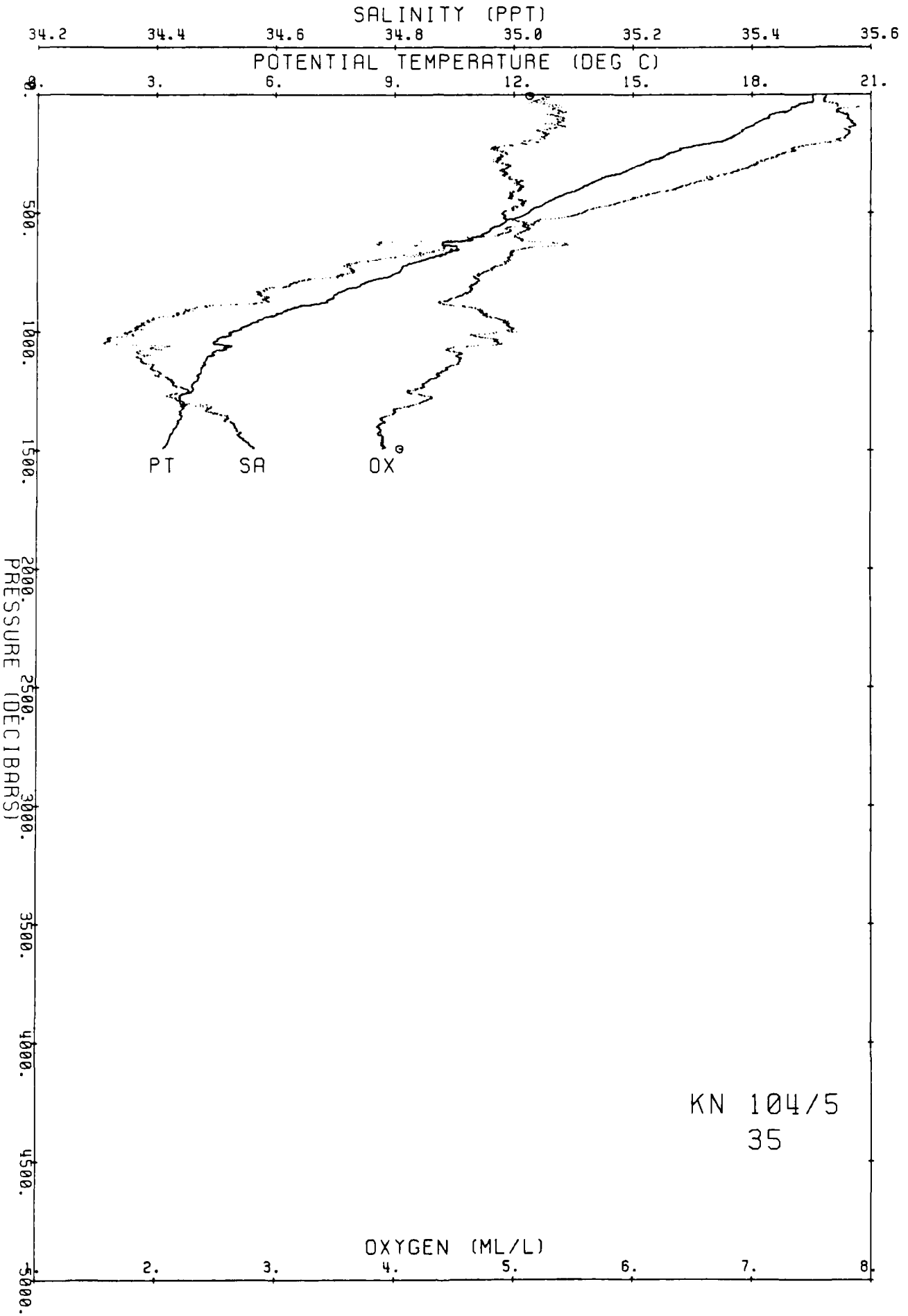

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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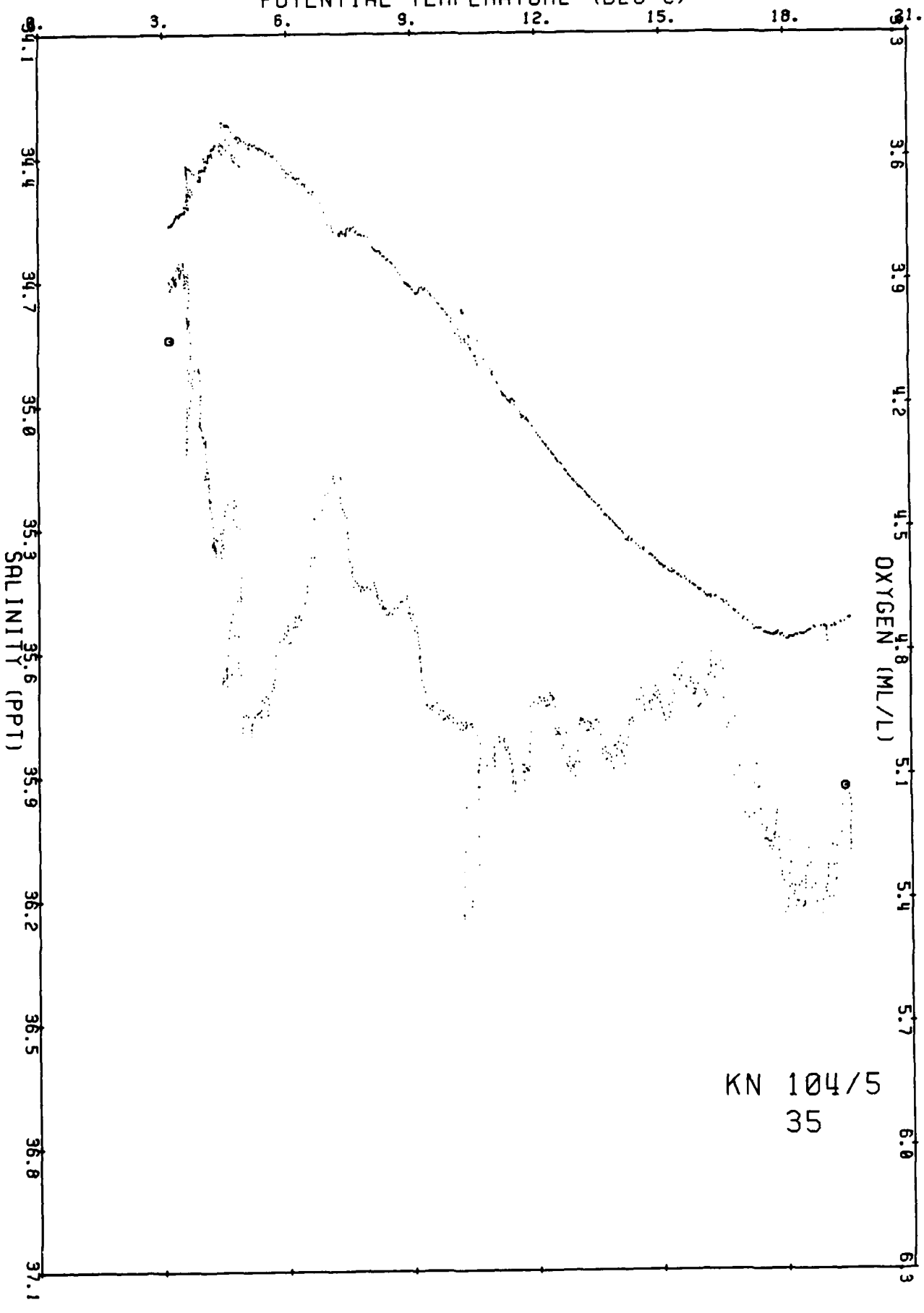

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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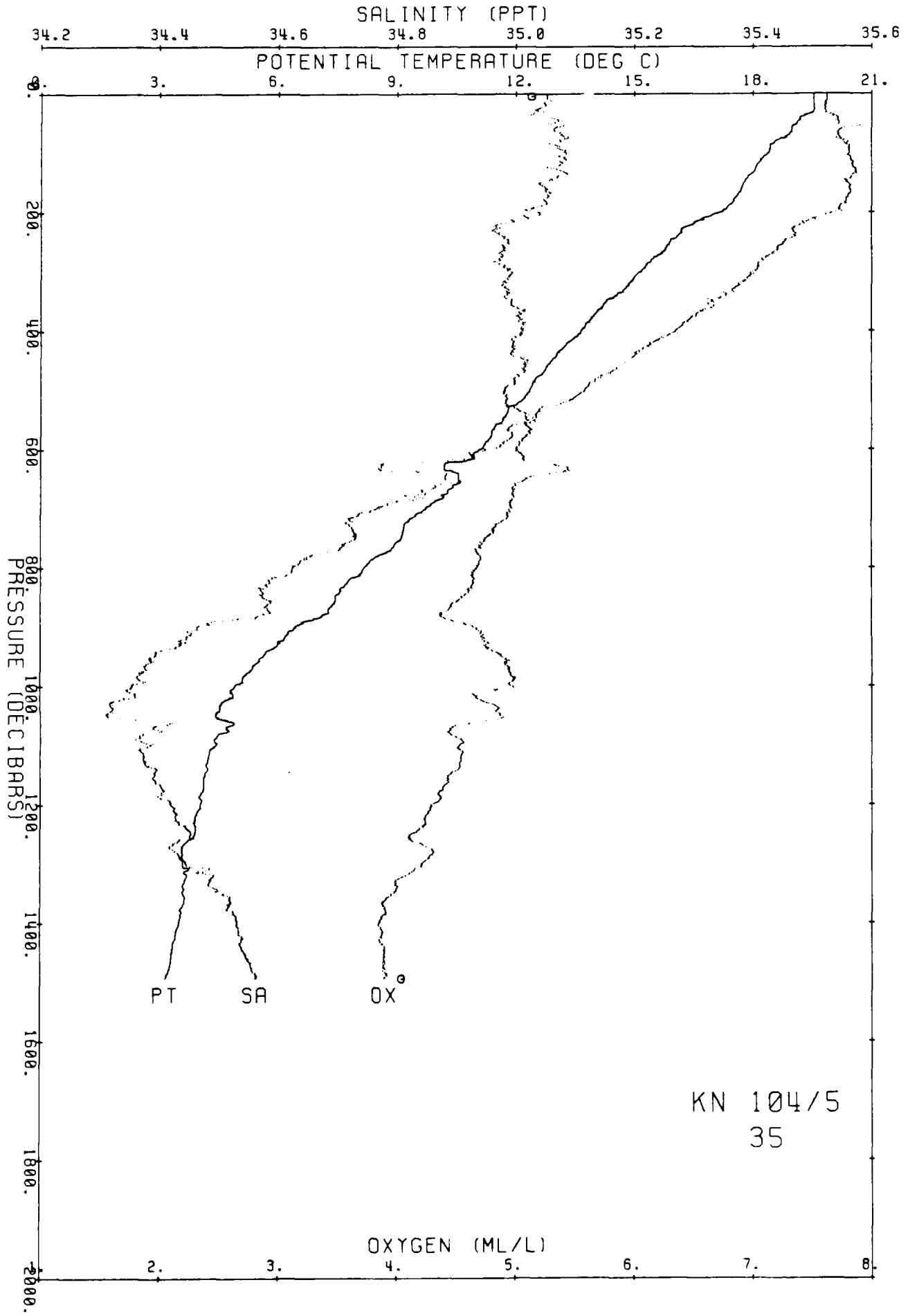
Ship KN Cruise 1045 Station 35 Cast 1 DT
Start 39 15.41 S 18 11.93 E at 2208 83/11/25
End 39 17.20 S 18 15.01 E at 2356

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	19.537	19.537	35.525	5.3	101.3	25.285	29.561	33.743	37.834	41.837	267.6	0.00	0.00	0.0
10	19.540	19.538	35.524	5.3	101.8	25.284	29.560	33.742	37.833	41.836	268.1	.03	.58	10.0
20	19.549	19.545	35.521	5.3	101.5	25.280	29.556	33.738	37.829	41.831	268.9	.05	1.14	19.9
30	19.536	19.531	35.522	5.2	100.7	25.284	29.560	33.743	37.834	41.837	268.9	.08	1.19	29.9
40	19.210	19.203	35.542	5.3	101.0	25.385	29.666	33.853	37.949	41.956	259.7	.11	5.61	39.9
50	19.117	19.108	35.544	5.3	100.8	25.411	29.693	33.882	37.979	41.988	257.7	.13	2.85	49.9
60	18.999	18.988	35.549	5.3	101.5	25.445	29.730	33.920	38.019	42.029	254.7	.16	3.30	59.8
70	18.931	18.919	35.542	5.4	102.4	25.458	29.743	33.935	38.035	42.046	253.9	.18	1.98	69.8
80	18.597	18.583	35.551	5.4	101.8	25.550	29.841	34.037	38.142	42.159	245.5	.21	5.39	79.8
90	18.446	18.431	35.562	5.4	101.3	25.596	29.890	34.089	38.196	42.215	241.5	.23	3.84	89.7
100	18.421	18.403	35.562	5.4	102.2	25.603	29.897	34.096	38.204	42.223	241.2	.26	1.47	99.7
120	18.128	18.108	35.568	5.4	100.7	25.682	29.980	34.184	38.297	42.320	234.4	.30	3.52	119.6
140	17.893	17.869	35.566	5.3	99.8	25.739	30.042	34.250	38.366	42.392	229.7	.35	3.02	139.5
160	17.730	17.703	35.563	5.3	97.9	25.778	30.083	34.294	38.412	42.442	226.7	.40	2.47	159.5
180	17.534	17.504	35.557	5.2	97.1	25.822	30.130	34.344	38.466	42.498	223.2	.44	2.64	179.4
200	17.236	17.202	35.540	5.2	95.8	25.881	30.195	34.414	38.541	42.578	218.2	.49	3.09	199.3
220	16.521	16.485	35.480	4.8	88.1	26.005	30.332	34.563	38.702	42.750	206.9	.53	4.45	219.2
240	16.146	16.108	35.472	4.9	88.6	26.087	30.420	34.658	38.802	42.857	199.7	.57	3.61	239.1
260	15.833	15.792	35.442	4.9	88.0	26.136	30.475	34.718	38.868	42.928	195.5	.61	2.82	259.0
280	15.473	15.429	35.416	4.9	86.7	26.198	30.544	34.793	38.950	43.016	190.2	.65	3.16	278.9
300	15.234	15.188	35.405	5.0	87.9	26.244	30.594	34.847	39.008	43.078	186.4	.68	2.71	298.8
320	14.917	14.869	35.376	4.9	86.3	26.292	30.648	34.907	39.073	43.149	182.3	.72	2.79	318.7
340	14.614	14.563	35.354	4.9	85.9	26.341	30.703	34.968	39.140	43.220	178.1	.76	2.84	338.6
360	14.243	14.190	35.330	5.0	86.9	26.403	30.771	35.044	39.222	43.309	172.7	.79	3.16	358.5
380	13.959	13.904	35.295	5.1	87.2	26.436	30.811	35.088	39.272	43.364	169.9	.83	2.36	378.4
400	13.709	13.651	35.270	5.1	86.9	26.470	30.849	35.131	39.319	43.416	167.2	.86	2.35	398.3
450	12.968	12.906	35.185	5.1	86.2	26.556	30.950	35.247	39.449	43.559	159.9	.94	2.41	448.0
500	12.434	12.367	35.117	4.9	82.1	26.610	31.015	35.323	39.535	43.655	155.7	1.02	1.92	497.7
550	11.763	11.692	35.032	5.1	84.1	26.673	31.093	35.414	39.640	43.773	150.3	1.10	2.11	547.4
600	11.156	11.081	34.950	5.0	81.4	26.723	31.155	35.489	39.727	43.872	146.2	1.17	1.89	597.0
650	10.644	10.565	34.883	5.1	81.6	26.763	31.207	35.552	39.800	43.955	143.0	1.24	1.72	646.7
700	9.816	9.734	34.766	4.9	77.8	26.815	31.277	35.640	39.906	44.078	138.1	1.31	2.01	696.3
750	9.204	9.119	34.731	4.8	73.8	26.889	31.365	35.741	40.020	44.204	131.2	1.38	2.29	745.9
800	8.250	8.164	34.626	4.7	70.9	26.956	31.454	35.852	40.152	44.356	124.3	1.45	2.29	795.5
900	6.543	6.459	34.464	4.7	67.8	27.070	31.609	36.047	40.386	44.628	112.0	1.56	2.16	894.7
1000	5.008	4.925	34.356	5.0	70.0	27.174	31.752	36.227	40.603	44.880	100.1	1.67	2.09	993.8
1100	4.503	4.415	34.381	4.5	62.8	27.250	31.841	36.329	40.717	45.005	92.8	1.77	1.67	1092.8
1200	4.141	4.047	34.421	4.3	59.1	27.321	31.921	36.418	40.814	45.111	86.2	1.86	1.59	1191.8
1300	3.700	3.602	34.446	4.2	57.4	27.386	31.998	36.506	40.913	45.220	79.7	1.94	1.57	1290.8
1400	3.618	3.512	34.532	3.9	52.5	27.463	32.077	36.587	40.995	45.304	73.1	2.02	1.57	1389.7
1493	3.276	3.166	34.562	3.9	52.6	27.520	32.143	36.662	41.079	45.396	67.3	2.08	1.53	1481.6

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	19.423	19.422	35.533	5.13	4.8	0.30	1.4	0.05	0.20	25.321	29.599	33.782	37.875	41.880	4.7
13	19.424	19.422	35.532		4.6	0.26	1.4	0.04		25.320	29.598	33.782	37.875	41.879	12.5
27	19.426	19.421	35.531		4.7	0.25	1.4	0.04		25.320	29.597	33.781	37.874	41.878	26.3
52	19.160	19.151	35.549		3.3	0.21	0.9	0.12		25.403	29.685	33.873	37.970	41.978	51.2
102	18.336	18.318	35.566		4.7	0.33	2.7	1.04		25.628	29.923	34.123	38.233	42.253	100.7
152	17.739	17.713	35.571		5.2	0.33	2.3	0.03		25.781	30.086	34.297	38.415	42.444	150.2
201	17.029	16.996	35.539		4.3	0.44	3.5	0.02		25.930	30.247	34.470	38.600	42.640	199.7
298	15.166	15.120	35.407		5.7	0.62	6.7	0.01		26.260	30.611	34.866	39.028	43.099	295.0
398	13.630	13.573	35.260		6.9	0.79	10.1	0.01		26.478	30.859	35.143	39.333	43.430	394.0
506	12.212	12.144	35.094		7.4	0.94	12.2			26.635	31.045	35.357	39.574	43.698	501.8
992	5.285	5.200	34.384		21.5	2.02	28.0			27.164	31.735	36.204	40.572	44.843	981.6
1494	3.271	3.160	34.569	4.04	47.0	2.49	28.2			27.526	32.149	36.668	41.085	45.402	1477.1


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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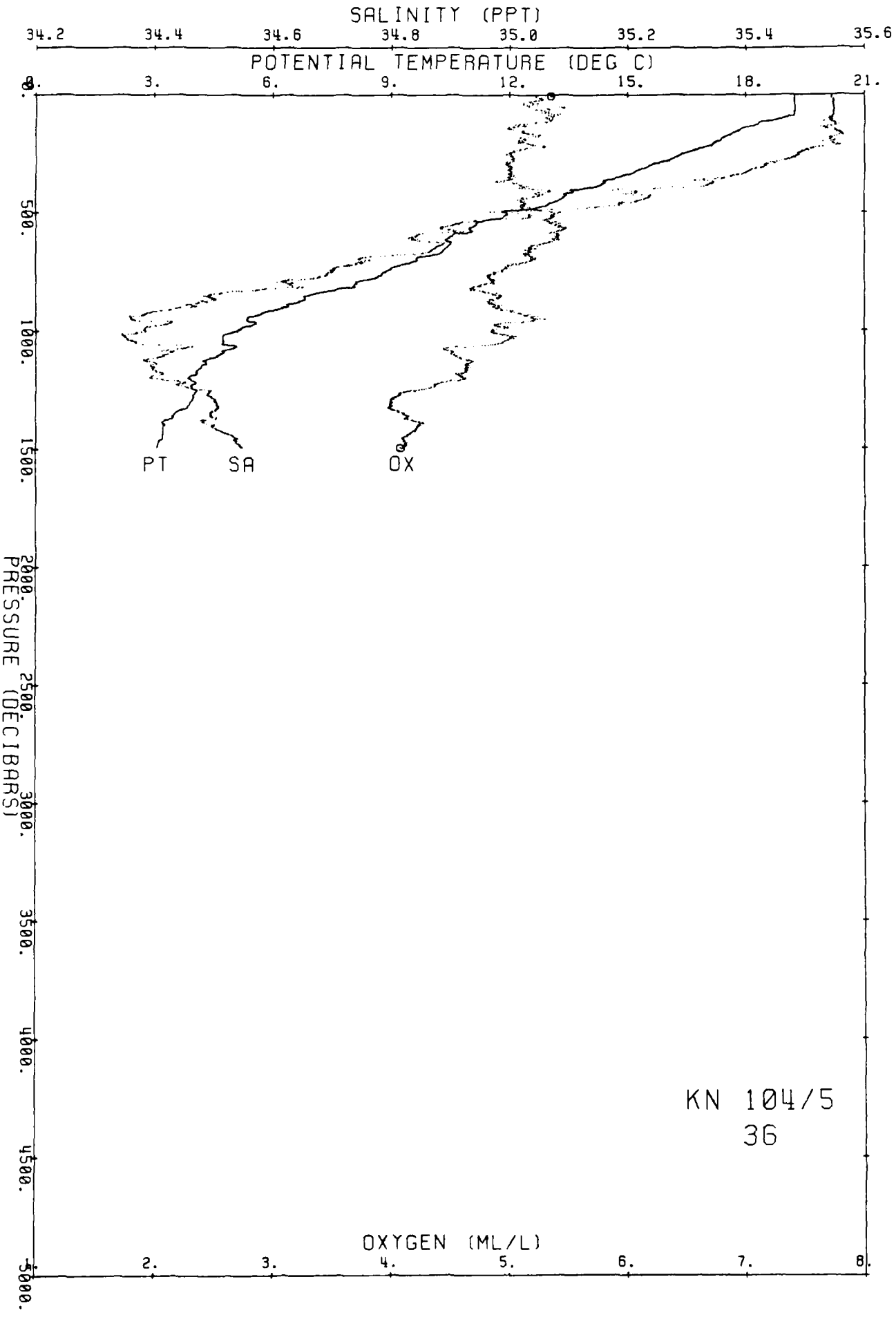

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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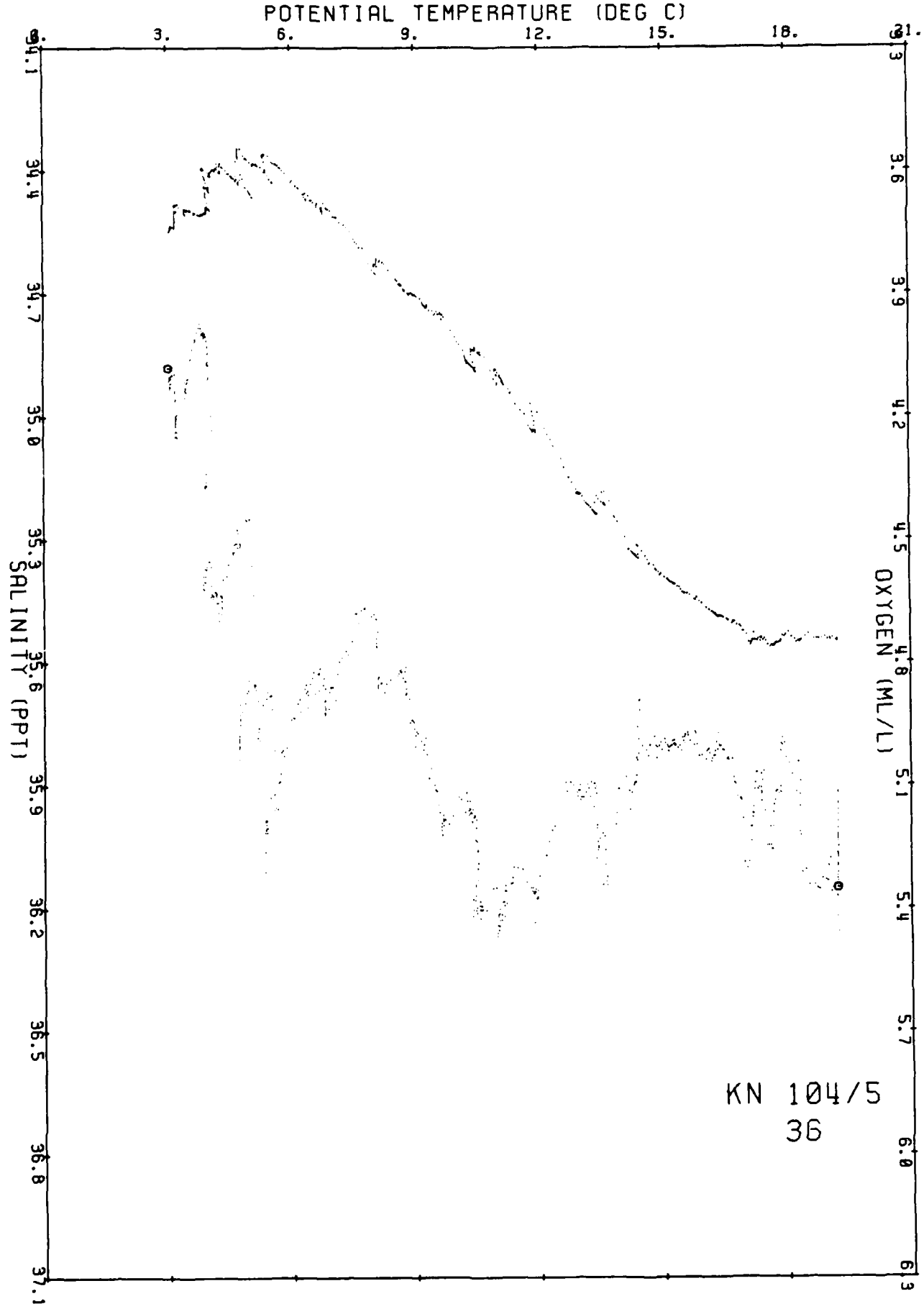

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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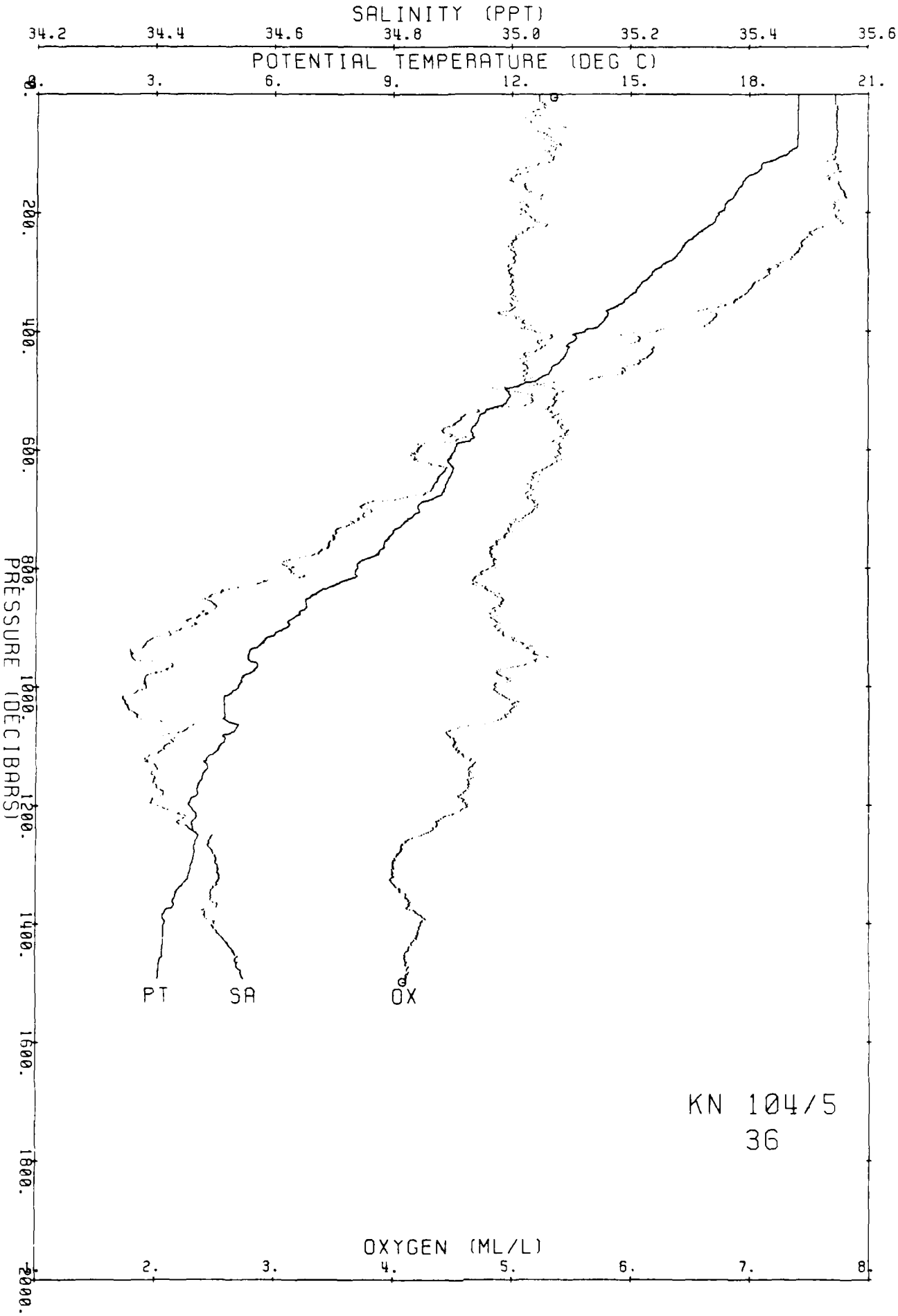
Ship KN Cruise 1045 Station 36 Cast 1 DT
Start 39 16.03 S 18 37.17 E at 145 83/11/26
End 39 16.19 S 18 38.79 E at 251

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	19.233	19.233	35.545	5.2	100.1	25.379	29.660	33.846	37.942	41.949	258.7	0.00	0.00	0.0
10	19.233	19.231	35.545	5.2	100.1	25.380	29.660	33.847	37.942	41.949	259.0	.03	.38	10.0
20	19.233	19.230	35.548	5.3	100.8	25.382	29.663	33.849	37.945	41.952	259.2	.05	.91	19.9
30	19.237	19.232	35.547	5.2	99.1	25.381	29.661	33.848	37.944	41.951	259.7	.08	.65	29.9
40	19.241	19.234	35.548	5.1	98.0	25.381	29.662	33.848	37.944	41.951	260.1	.10	.32	39.9
50	19.241	19.232	35.548	5.2	99.7	25.382	29.662	33.849	37.944	41.951	260.4	.13	.38	49.9
60	19.238	19.228	35.548	5.3	102.2	25.383	29.663	33.850	37.946	41.953	260.7	.16	.59	59.8
70	19.237	19.225	35.548	5.3	101.3	25.384	29.664	33.851	37.946	41.954	261.0	.18	.48	69.8
80	19.235	19.221	35.547	5.3	102.4	25.384	29.665	33.851	37.947	41.954	261.4	.21	.33	79.8
90	19.220	19.204	35.546	5.4	102.8	25.387	29.668	33.856	37.951	41.959	261.4	.23	1.06	89.7
100	18.993	18.975	35.543	5.3	101.7	25.444	29.729	33.919	38.018	42.029	256.4	.26	4.22	99.7
120	18.342	18.322	35.549	5.2	98.2	25.614	29.909	34.110	38.219	42.239	240.9	.31	5.18	119.6
140	17.973	17.949	35.537	5.0	93.4	25.697	29.998	34.205	38.320	42.346	233.7	.36	3.63	139.5
160	17.752	17.725	35.557	5.1	95.3	25.768	30.072	34.283	38.401	42.430	227.7	.40	3.34	159.5
180	17.503	17.473	35.542	5.2	95.7	25.818	30.127	34.341	38.464	42.497	223.6	.45	2.82	179.4
200	17.258	17.225	35.530	5.1	94.3	25.868	30.182	34.400	38.527	42.564	219.4	.49	2.84	199.3
220	17.072	17.036	35.534	5.3	97.4	25.917	30.233	34.455	38.584	42.624	215.5	.54	2.77	219.2
240	16.645	16.605	35.499	5.0	91.8	25.992	30.316	34.545	38.682	42.728	208.9	.58	3.47	239.1
260	16.349	16.307	35.486	5.0	90.5	26.052	30.381	34.615	38.757	42.808	203.8	.62	3.09	259.0
280	16.097	16.052	35.467	5.0	90.8	26.096	30.430	34.669	38.814	42.870	200.2	.66	2.67	278.9
300	15.597	15.551	35.431	5.0	88.8	26.182	30.526	34.773	38.927	42.991	192.4	.70	3.74	298.8
320	15.315	15.266	35.408	5.0	88.5	26.228	30.577	34.830	38.989	43.057	188.5	.74	2.73	318.7
340	15.033	14.981	35.384	5.0	88.4	26.273	30.627	34.885	39.049	43.122	184.8	.78	2.69	338.6
360	14.657	14.603	35.342	5.0	87.8	26.323	30.684	34.949	39.120	43.200	180.4	.81	2.87	358.5
380	14.408	14.352	35.339	5.1	88.4	26.375	30.741	35.010	39.185	43.270	176.0	.85	2.90	378.4
400	13.904	13.846	35.243	5.2	89.5	26.408	30.784	35.063	39.248	43.341	173.1	.88	2.40	398.3
450	13.293	13.230	35.217	5.1	87.2	26.515	30.903	35.194	39.390	43.494	164.0	.97	2.65	448.0
500	11.946	11.881	34.996	5.4	89.7	26.609	31.025	35.343	39.566	43.695	155.2	1.05	2.59	497.7
550	11.211	11.142	34.911	5.4	87.6	26.681	31.112	35.446	39.683	43.827	149.0	1.12	2.23	547.4
600	10.625	10.552	34.841	5.4	86.3	26.732	31.177	35.522	39.772	43.927	144.6	1.20	1.92	597.0
650	10.464	10.385	34.874	5.2	82.4	26.788	31.235	35.584	39.836	43.995	140.4	1.27	1.89	646.7
700	9.745	9.663	34.762	5.2	81.5	26.824	31.287	35.652	39.920	44.093	137.1	1.34	1.71	696.3
750	8.947	8.864	34.701	4.9	76.3	26.906	31.388	35.770	40.055	44.244	129.2	1.40	2.45	745.9
800	8.179	8.095	34.626	4.9	73.6	26.966	31.466	35.866	40.167	44.373	123.2	1.47	2.15	795.5
900	6.404	6.320	34.456	4.9	70.7	27.082	31.625	36.066	40.408	44.653	110.5	1.58	2.18	894.7
1000	5.189	5.104	34.386	4.9	68.6	27.177	31.750	36.221	40.592	44.865	100.3	1.69	1.97	993.8
1100	4.714	4.625	34.416	4.5	63.0	27.255	31.840	36.323	40.705	44.989	92.9	1.78	1.68	1092.9
1200	3.960	3.868	34.403	4.6	63.3	27.325	31.930	36.432	40.833	45.134	85.2	1.87	1.70	1191.8
1300	4.012	3.911	34.505	4.0	54.9	27.402	32.005	36.505	40.904	45.203	79.2	1.96	1.52	1290.8
1400	3.351	3.248	34.500	4.2	57.2	27.463	32.084	36.601	41.016	45.332	72.1	2.03	1.63	1389.7
1493	3.179	3.070	34.549	4.1	55.2	27.519	32.144	36.665	41.085	45.404	67.1	2.10	1.44	1481.6

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	19.218	19.217	35.554	5.35	3.5	0.19	0.9	0.06	0.20	25.390	29.671	33.858	37.953	41.961	5.0
14	19.221	19.218	35.556		4.0	0.18	0.9	0.06		25.391	29.672	33.859	37.954	41.962	14.0
27	19.225	19.220	35.555		3.8	0.17	0.9	0.06		25.390	29.671	33.858	37.953	41.960	27.0
52	19.225	19.216	35.554		4.0	0.18	1.6	0.06		25.390	29.671	33.858	37.954	41.961	51.8
102	19.015	18.997	35.550		4.2	0.21	1.3	0.12		25.444	29.728	33.918	38.017	42.028	101.1
151	17.878	17.852	35.547		6.6	0.38	4.2	0.03		25.729	30.032	34.240	38.356	42.384	150.1
201	17.301	17.267	35.554		6.4	0.38	3.9	0.02		25.877	30.189	34.407	38.532	42.569	199.6
302	15.556	15.509	35.434		6.2	0.60	4.9	0.01		26.194	30.538	34.786	38.941	43.006	299.3
402	13.605	13.548	35.190		5.5	0.68	7.9	0.01		26.429	30.811	35.096	39.286	43.385	397.9
500	11.891	11.825	34.992		6.1	0.92	11.4			26.617	31.034	35.353	39.576	43.707	495.3
998	5.179	5.095	34.386		16.8	2.08	19.9			27.178	31.751	36.223	40.594	44.867	988.1
1497	3.144	3.035	34.547	4.08	52.7	2.50	32.2			27.520	32.147	36.669	41.089	45.410	1480.4


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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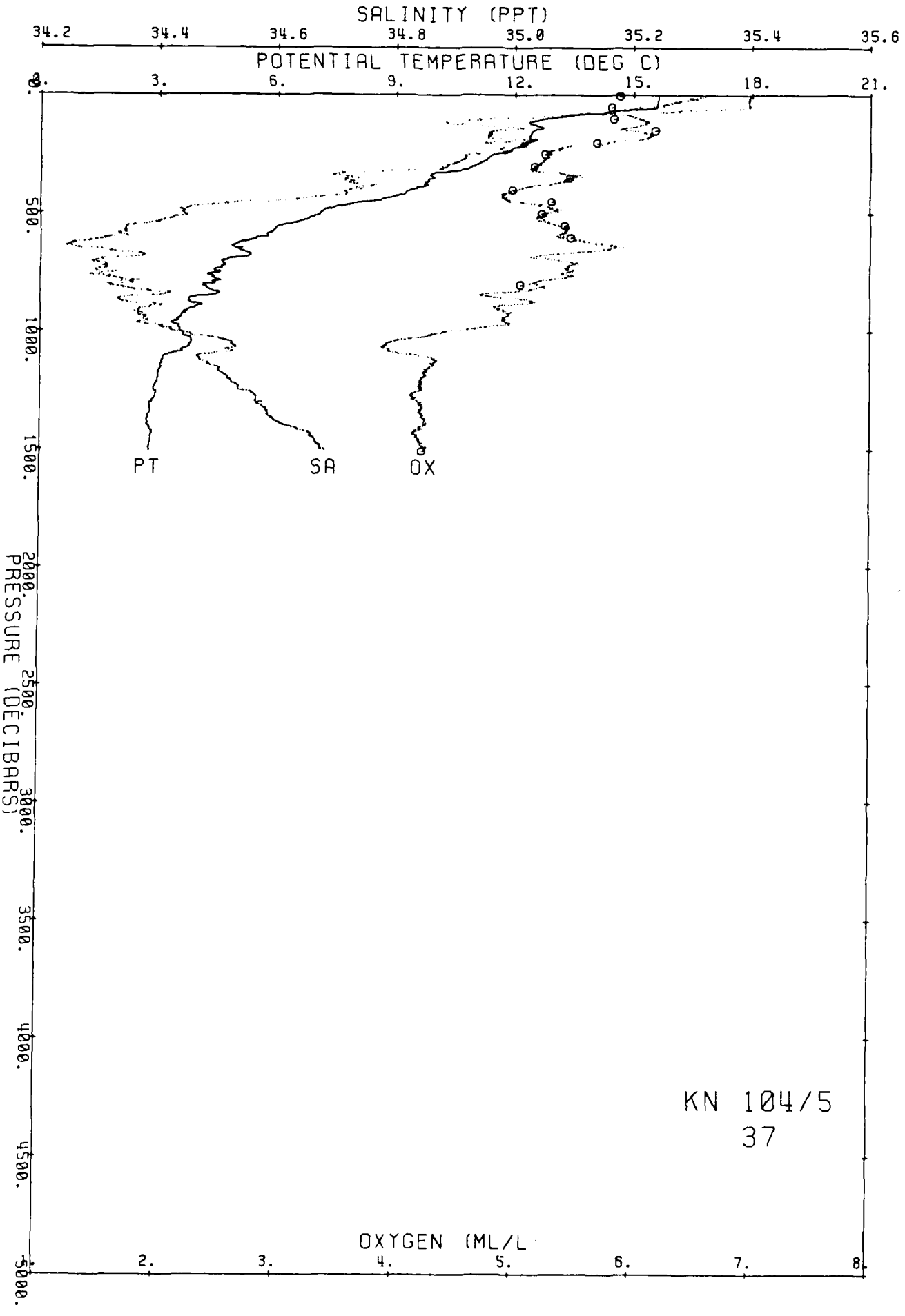

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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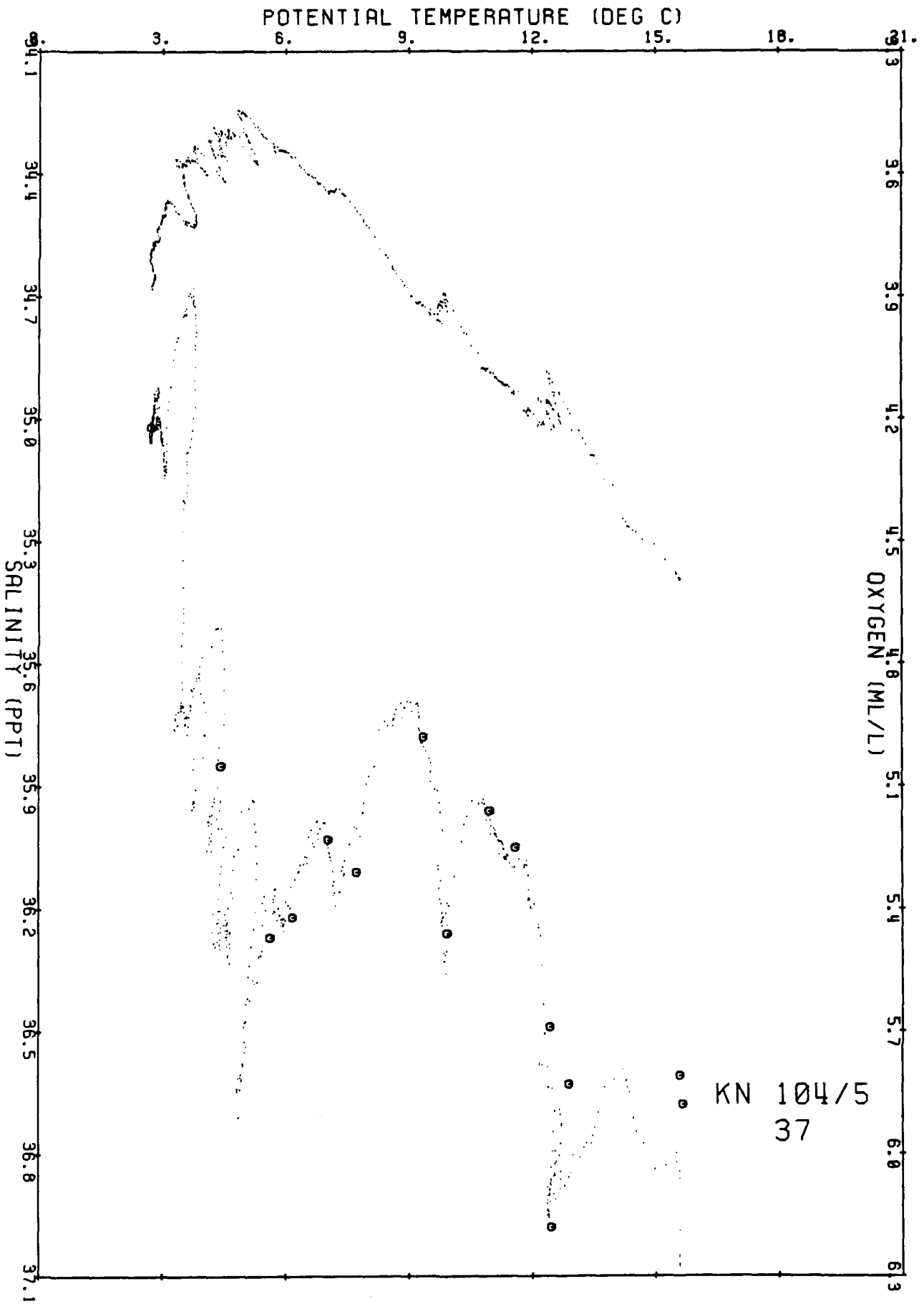

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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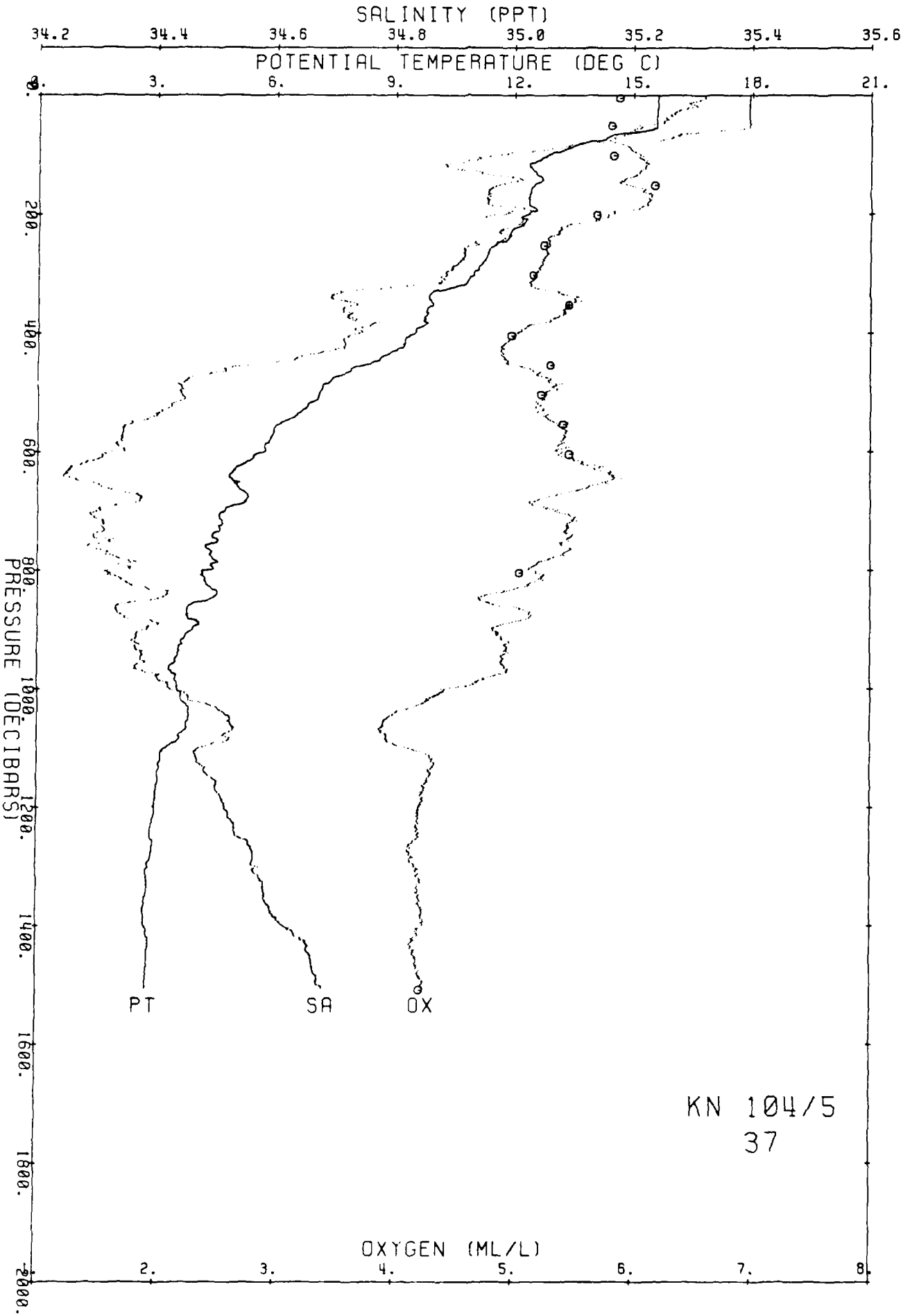
Ship KN Cruise 1045 Station 37 Cast 1 DT
Start 39 59.94 S 19 14.90 E at 837 83/11/26
End 39 58.94 S 19 15.95 E at 1028

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	15.614	15.614	35.396	6.6	117.8	26.141	30.483	34.730	38.883	42.946	186.3	0.00	0.00	0.0
10	15.613	15.612	35.396	6.5	116.4	26.142	30.484	34.731	38.884	42.947	186.6	.02	.43	10.0
20	15.614	15.611	35.396	6.5	115.8	26.142	30.484	34.731	38.884	42.947	186.9	.04	.20	19.9
30	15.604	15.599	35.395	6.3	113.2	26.144	30.486	34.733	38.887	42.950	187.0	.06	.78	29.9
40	15.593	15.587	35.395	6.3	112.0	26.146	30.489	34.736	38.890	42.954	187.1	.07	.92	39.9
50	15.589	15.582	35.395	6.0	107.8	26.148	30.491	34.738	38.892	42.955	187.3	.09	.63	49.8
60	15.253	15.244	35.347	6.0	106.8	26.186	30.536	34.789	38.949	43.018	184.0	.11	3.50	59.8
70	14.371	14.361	35.267	5.8	101.7	26.318	30.684	34.953	39.129	43.213	171.7	.13	6.44	69.7
80	13.784	13.773	35.148	5.8	100.2	26.350	30.728	35.009	39.196	43.291	168.9	.15	3.22	79.7
90	13.333	13.320	35.062	6.0	101.6	26.377	30.764	35.054	39.249	43.353	166.6	.16	2.94	89.7
100	12.894	12.881	34.977	6.1	102.0	26.400	30.796	35.095	39.299	43.410	164.6	.18	2.73	99.6
120	12.382	12.367	34.887	6.1	101.6	26.431	30.838	35.147	39.362	43.483	162.1	.21	2.27	119.5
140	12.722	12.703	35.009	5.9	99.5	26.460	30.859	35.161	39.368	43.483	160.0	.25	2.08	139.4
160	12.433	12.412	34.957	6.1	101.5	26.477	30.882	35.190	39.403	43.523	158.9	.28	1.67	159.3
180	12.388	12.365	34.955	6.1	102.0	26.484	30.891	35.200	39.413	43.535	158.7	.31	1.11	179.2
200	12.390	12.363	34.981	5.8	96.4	26.505	30.911	35.220	39.433	43.554	157.3	.34	1.79	199.1
220	12.183	12.154	35.019	5.4	90.3	26.575	30.985	35.298	39.515	43.639	151.1	.37	3.33	219.0
240	11.894	11.863	34.985	5.3	87.1	26.604	31.021	35.339	39.562	43.692	148.8	.40	2.20	238.9
260	11.405	11.373	34.918	5.3	86.0	26.644	31.071	35.399	39.632	43.772	145.3	.43	2.58	258.8
280	11.239	11.204	34.906	5.2	85.1	26.666	31.096	35.428	39.664	43.807	143.6	.46	1.88	278.7
300	11.017	10.980	34.887	5.2	83.8	26.692	31.127	35.463	39.704	43.851	141.5	.49	2.07	298.6
320	10.579	10.541	34.820	5.1	82.3	26.718	31.163	35.509	39.758	43.914	139.3	.52	2.14	318.5
340	9.891	9.852	34.693	5.5	87.1	26.738	31.198	35.559	39.824	43.994	137.4	.54	1.98	338.4
360	9.843	9.801	34.712	5.4	85.2	26.761	31.222	35.585	39.850	44.021	135.6	.57	1.93	358.3
380	9.760	9.716	34.743	5.3	83.3	26.800	31.263	35.626	39.893	44.065	132.3	.60	2.47	378.2
400	9.548	9.503	34.739	5.0	78.7	26.832	31.300	35.668	39.939	44.116	129.5	.62	2.32	398.0
450	8.469	8.421	34.598	4.9	75.4	26.895	31.387	35.780	40.074	44.274	123.7	.69	2.14	447.7
500	7.152	7.105	34.441	5.3	78.0	26.964	31.488	35.912	40.236	44.464	116.6	.75	2.30	497.4
550	6.194	6.145	34.360	5.3	77.3	27.029	31.577	36.023	40.369	44.619	110.1	.80	2.19	547.1
600	5.747	5.696	34.325	5.4	77.4	27.057	31.617	36.074	40.431	44.691	107.4	.86	1.49	596.7
650	5.024	4.972	34.286	5.8	81.2	27.113	31.690	36.165	40.540	44.817	101.8	.91	2.04	646.3
700	4.760	4.705	34.298	5.4	74.8	27.152	31.737	36.218	40.599	44.882	98.2	.96	1.66	695.9
750	4.603	4.545	34.320	5.5	76.1	27.187	31.776	36.261	40.646	44.932	95.2	1.01	1.54	745.5
800	4.246	4.185	34.318	5.2	71.3	27.224	31.822	36.317	40.710	45.005	91.5	1.06	1.66	795.1
900	3.984	3.917	34.383	4.8	66.2	27.304	31.908	36.409	40.808	45.109	84.5	1.14	1.63	894.3
1000	3.601	3.528	34.424	4.4	59.8	27.376	31.989	36.500	40.909	45.218	77.8	1.22	1.59	993.3
1100	3.298	3.220	34.472	4.1	55.6	27.443	32.065	36.583	41.000	45.316	71.5	1.30	1.54	1092.4
1200	3.058	2.974	34.517	4.2	56.5	27.502	32.130	36.654	41.076	45.399	66.1	1.37	1.43	1191.3
1300	2.927	2.837	34.573	4.2	55.9	27.559	32.190	36.718	41.143	45.468	61.1	1.43	1.38	1290.3
1400	2.828	2.731	34.616	4.2	56.7	27.603	32.237	36.767	41.194	45.522	57.4	1.49	1.21	1389.1
1500	2.856	2.749	34.674	4.2	56.6	27.648	32.280	36.809	41.236	45.563	54.0	1.55	1.16	1487.9
1506	2.850	2.743	34.680	4.2	56.7	27.653	32.286	36.815	41.242	45.568	53.5	1.55	1.70	1493.9

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	15.648	15.647	35.406	5.88	4.4	0.34	1.5	0.06	0.34	26.141	30.483	34.729	38.882	42.944	4.7
13	15.632	15.630	35.405		3.5	0.29	1.3	0.06	0.20	26.144	30.487	34.733	38.886	42.949	13.1
27	15.621	15.617	35.403		3.0	0.30	1.2	0.06	0.37	26.146	30.488	34.735	38.888	42.951	26.3
52	15.589	15.581	35.401	5.81	4.5	0.27	1.5	0.06	0.20	26.152	30.495	34.742	38.896	42.960	51.1
102	12.903	12.889	34.999	5.83	3.7	0.58	5.7	0.11	0.42	26.415	30.811	35.109	39.313	43.425	100.8
152	12.465	12.445	34.967	6.18	5.3	0.58	4.7	0.14	0.33	26.478	30.883	35.190	39.402	43.522	150.4
202	12.443	12.416	35.006	5.69	4.7	0.70	8.0	0.03	0.20	26.514	30.919	35.227	39.439	43.559	199.9
252	11.621	11.589	34.959	5.25	4.6	0.94	8.5	0.01		26.636	31.058	35.382	39.610	43.745	249.6
302	10.994	10.957	34.890	5.16	6.8	1.05	10.2			26.698	31.134	35.471	39.712	43.859	299.3
353	9.968	9.927	34.740	5.46	7.6	1.17	13.2			26.762	31.220	35.579	39.842	44.010	349.4
403	9.394	9.349	34.731	4.98	10.0	1.40	11.8			26.851	31.322	35.694	39.968	44.148	399.8
454	7.763	7.718	34.506	5.31	10.0	1.56	21.9			26.928	31.437	35.846	40.157	44.371	449.5
503	7.078	7.030	34.451	5.23	10.1	1.74	13.6			26.982	31.508	35.933	40.259	44.489	498.7
553	6.217	6.168	34.367	5.42	9.7	1.85	19.3			27.031	31.579	36.024	40.370	44.619	548.3
604	5.677	5.625	34.331	5.47	13.8	1.95	26.2			27.071	31.632	36.091	40.450	44.711	598.2
704	4.776	4.720	34.310		18.4	2.12	20.9			27.160	31.744	36.225	40.606	44.888	697.3
805	4.504	4.441	34.359	5.05	27.6	2.25	28.3			27.230	31.820	36.308	40.695	44.983	796.7
904	4.028	3.960	34.388		22.4	2.38	16.1			27.304	31.906	36.406	40.805	45.104	895.4
1005	3.606	3.533	34.418							27.370	31.984	36.495	40.903	45.213	994.9
1106	3.453	3.373	34.494		53.2	2.58	34.7			27.446	32.064	36.578	40.990	45.303	1094.4
1206	3.072	2.987	34.516		41.3	2.60	23.6			27.500	32.128	36.652	41.073	45.395	1193.5
1307	2.924	2.833	34.569		47.8	2.60	25.1			27.556	32.188	36.715	41.141	45.466	1292.5
1408	2.862	2.763	34.629							27.610	32.243	36.772	41.199	45.525	1392.0
1508	2.848	2.741	34.683	4.22	57.6	2.39	29.3			27.656	32.289	36.818	41.244	45.571	1491.4


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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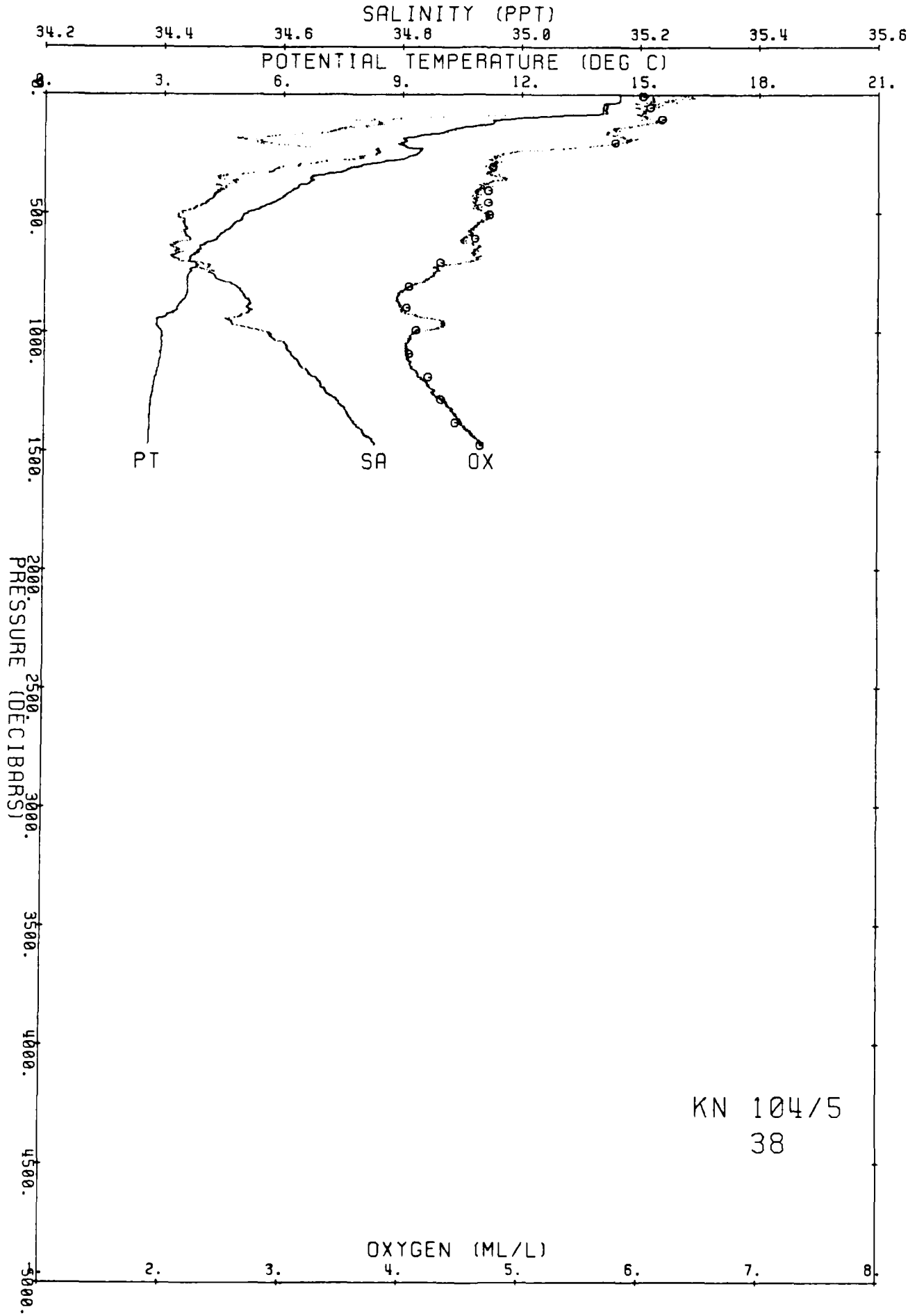

POTENTIAL TEMPERATURE (DEG C)
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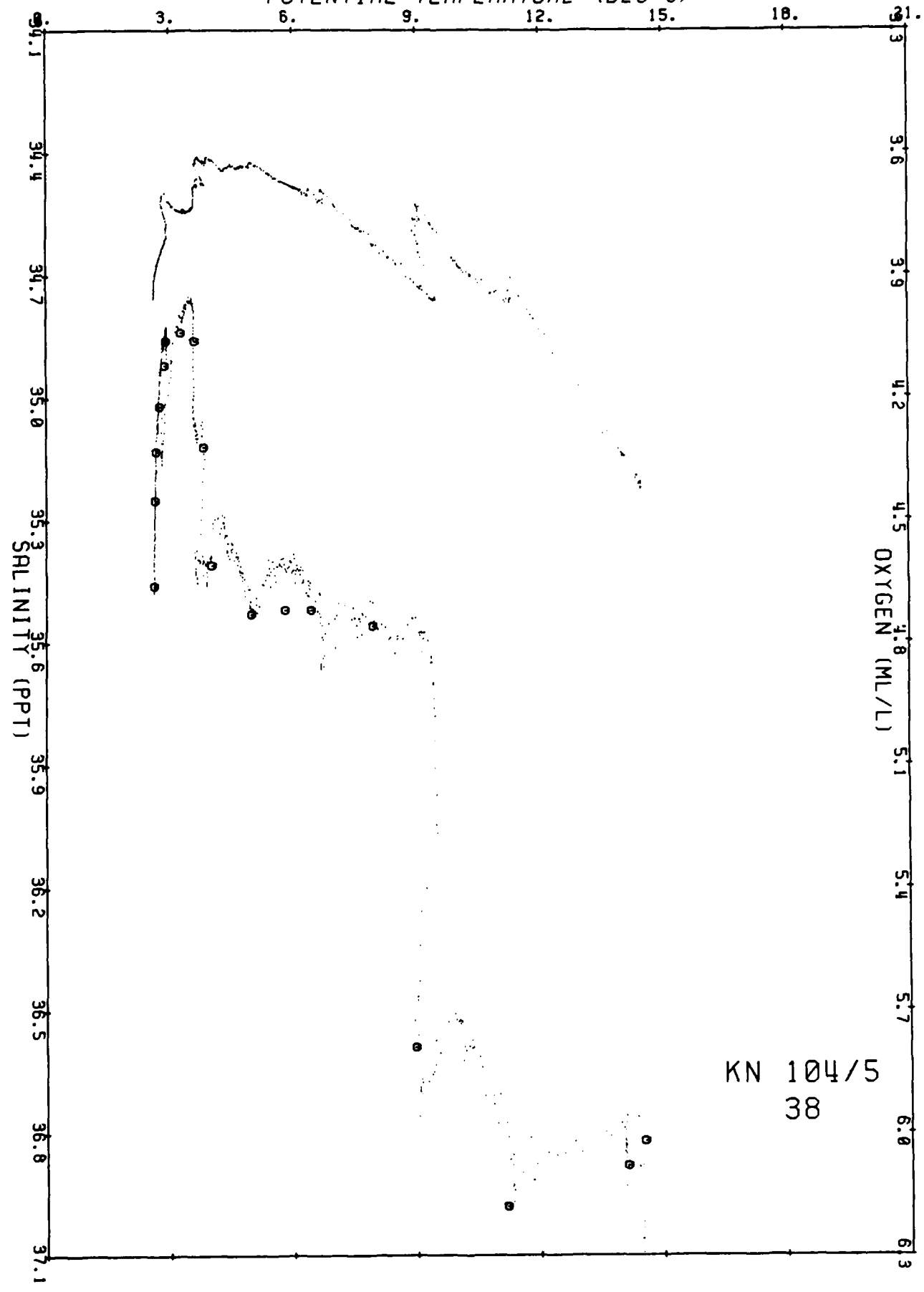

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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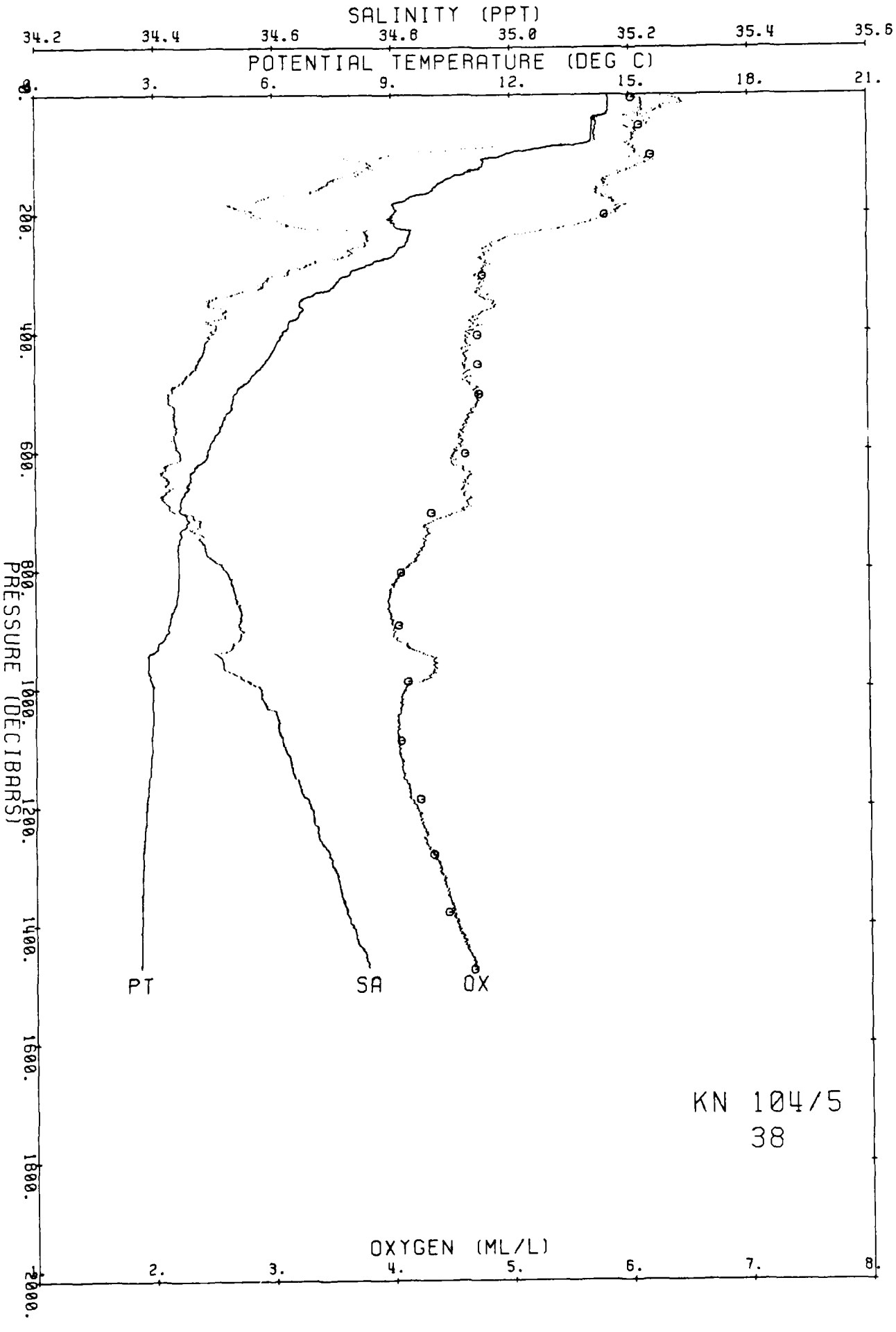
Ship KN Cruise 1045 Station 38 Cast 1 DT
Start 41 .27 S 20 6.83 E at 1837 83/11/20
End 41 1.19 S 20 6.01 E at 2026

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	14.474	14.474	35.207	6.1	105.9	26.247	30.611	34.879	39.053	43.136	176.2	0.00	0.00	0.0
10	14.483	14.482	35.221	6.4	112.1	26.256	30.620	34.888	39.062	43.144	175.7	.02	1.70	10.0
20	14.485	14.483	35.222	6.2	108.6	26.257	30.621	34.888	39.062	43.145	175.9	.04	45	19.9
30	14.456	14.452	35.209	6.3	109 0	26.253	30.618	34.886	39.061	43.144	176.6	.05	1.03	29 9
40	14.080	14.074	35.142	6.1	106.1	26.282	30.654	34.930	39.111	43.201	174.1	.07	3.01	39.8
50	14.072	14.065	35 144	6.1	106.2	26.285	30.658	34.934	39.115	43.206	174.1	.09	1.05	49 8
60	14.068	14.059	35.142	6.1	104.5	26 285	30.658	34.933	39.115	43.206	174.5	.11	35	59 8
70	14.065	14.055	35.143	6.0	104.1	26 287	30.659	34.935	39.117	43.207	174.6	.12	71	69 7
80	14 029	14.017	35 136	6 0	103.3	26 289	30.663	34.939	39.122	43.213	174.7	.14	.91	79.7
90	12.835	12.823	34.943	6 0	101.3	26.385	30.782	35.083	39.288	43.401	165.7	.16	5.53	89.6
100	11.900	11.887	34 807	6 1	100.1	26.461	30.878	35.198	39.421	43.552	158.6	17	4.95	99.6
120	11.310	11.295	34 766	6.1	98.5	26 540	30 969	35.301	39 536	43 678	151.5	.20	3 54	119 5
140	10.511	10.494	34.710	5 8	92.9	26.640	31.087	35.435	39.686	43.843	142.3	.23	4.01	139 4
160	10.051	10.033	34.674	5.7	90.6	26.692	31.149	35.506	39.767	43.934	137.7	.26	2.89	159.3
180	9.290	9.271	34 553	5 9	91.3	26 725	31.199	35.573	39.851	44.033	134.7	.29	2 36	179 2
200	9.089	9.067	34.569	5.9	91.1	26.770	31.249	35.627	39.909	44.095	130.8	.32	2.69	199.1
220	9.089	9.066	34.623	5 5	85.8	26 813	31.291	35.669	39.950	44.136	127.2	.34	2.58	219.0
240	9.464	9.438	34.759	5 0	77.5	26 859	31.328	35.697	39 969	44.147	123.5	.37	2.62	238.9
260	9.191	9.162	34.727	4.8	74.4	26.879	31 354	35.729	40.008	44.191	121.9	.39	1 84	258.8
280	8.582	8.553	34.673	4 8	73.3	26.933	31.422	35.811	40.103	44.299	116.8	.41	3 02	278 7
300	7.989	7.959	34.627	4 7	71.7	26.987	31.490	35.893	40.197	44.406	111.6	.44	3.02	298 6
320	7.599	7.568	34 585	4 8	71.6	27 012	31.524	35.936	40.249	44.466	109.4	.46	2 07	318.5
340	6.892	6.860	34.507	4 8	69.9	27.050	31.579	36.008	40.337	44.570	105.6	.48	2.62	338 3
360	6.796	6.763	34.524	4.8	70.9	27.077	31.608	36.039	40.370	44.605	103.3	.50	2 07	358.2
380	6.452	6.418	34 491	4 7	67 7	27.097	31.637	36.076	40.415	44.658	101.5	.52	1.90	378.1
400	6.291	6.256	34 501	4.6	67.1	27.126	31.670	36.112	40 456	44.701	98.9	.54	2.19	398.0
450	5.839	5.801	34.474	4 6	66.1	27.162	31.718	36.171	40.525	44.781	95.7	.59	1.61	447.6
500	5.128	5.088	34.431	4.7	66 6	27.214	31.788	36.259	40.630	44.902	90.6	.64	1 95	497.3
550	4.772	4.729	34.435	4.6	64.5	27.258	31.841	36.321	40.700	44.981	86.6	.68	1.75	546.9
600	4.392	4.347	34.442	4.5	62.9	27.306	31.898	36.388	40.776	45.066	82.1	.72	1 82	596.6
650	3.951	3.904	34 422	4.6	63 2	27.336	31.940	36.441	40 841	45 141	79.1	.76	1 54	646.2
700	3.685	3.635	34.431	4.6	62.5	27.371	31.982	36.489	40 896	45.202	75.9	.80	1.56	695.8
750	3.688	3.635	34.480	4.3	58.2	27.410	32.020	36.528	40.934	45.240	72.6	.84	1.56	745.4
800	3.663	3.606	34.519	4.1	55.6	27.444	32.055	36 562	40 969	45.275	69.9	.88	1 46	794.9
900	3.404	3.341	34.542	4.0	54.1	27.488	32.106	36.620	41 033	45.346	66.0	.94	1.25	894.1
1000	3.015	2.947	34.577	4.1	54.9	27.552	32.181	36.705	41.128	45.450	59.8	1.01	1.52	993.1
1100	2.989	2.914	34.617	4.0	54.1	27.587	32.216	36.741	41.164	45.487	57.2	1.07	1.05	1092.1
1200	2.849	2.767	34.658	4.2	55.9	27.633	32.266	36.794	41.221	45.547	53.3	1.12	1.25	1191.1
1300	2.766	2.676	34.695	4.4	58.4	27.671	32.305	36.836	41.265	45.593	50.2	1.17	1.12	1290.0
1400	2.743	2.646	34.729	4.5	60.4	27.701	32.336	36.867	41.296	45.625	48.0	1.22	.98	1388.8
1472	2.724	2.621	34.756	4.7	62.3	27.724	32.360	36.892	41.321	45.650	46 3	1 26	1.03	1460.0

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	14.526	14.525	35.242	6.02	6.7	0.41	3.0	0.14	0.20	26.263	30.626	34.893	39.066	43.148	4.9
15	14.532	14.530	35.242		4.7	0.39	3.1	0.14		26 262	30.625	34.892	39.065	43.146	15.0
27	14.534	14.530	35.242		5.1	0.35	2.5	0.14		26.262	30.625	34.892	39.064	43.146	26.4
52	14.115	14.107	35 163	6.08	6.1	0.39	3.7	0.15		26.291	30.663	34.937	39.118	43.208	51.8
102	11.202	11.189	34.717	6.18	6.0	0.82	7.5	0.20	0.43	26.521	30.953	35.287	39.524	43.669	101.4
153	10.111	10.093	34.682		7.9	1.07	14.5	0.03		26.688	31.143	35.500	39.759	43.924	151.7
202	8.987	8.965	34.572	5.79	7.9	1.26	17.2	0.02		26.789	31.270	35.650	39 934	44.122	200.7
253	9.187	9.159	34.722		13.8	1.43	17.6	0.02		26.875	31.350	35.726	40.004	44.188	250.7
303	7.960	7.929	34.631	4.76	17.1	1.70	18.8	0.01		26.995	31.499	35.902	40.207	44.416	300.5
354	7.050	7.017	34.536		20.1	1.87	23.5	0.01		27.051	31.577	36.001	40.327	44.556	350.4
404	6.473	6.437	34.510	4.72	22.9	1.98	27.4			27.109	31.649	36.087	40.426	44.668	400.2
454	5.842	5.803	34.479	4.72	25.5	2.13	26.1			27.166	31.721	36.175	40.529	44.785	449.3
504	5.018	4.978	34.426	4.73	24.4	2.22	23.1			27.223	31.799	36.273	40.647	44.922	499.1
554	4.740	4.697	34.440		33.3	2.30	31.6			27.266	31.849	36.330	40.710	44.992	549.0
605	4.071	4.027	34.414	4.61	31.6	2.39	26.1			27.317	31.918	36.416	40.813	45.110	598.9
705	3.884	3.833	34.465	4.32	27.2	2.51	19.1			27.378	31.983	36.486	40.887	45.189	697.8
806	3.670	3.612	34.525	4.06	30.7	2.56	18.6			27.448	32.059	36.566	40.972	45.279	797.5
895	3.348	3.285	34.536	4.04	54.0	2.59	32.7			27.488	32.108	36.624	41.038	45.352	885.7
989	2.962	2.895	34.554	4.12	57.5	2.59	33.6			27.539	32.169	36.695	41.119	45.442	978.8
1089	2.994	2.919	34.613	4.06	60.2	2.53	33.2			27.584	32.212	36.737	41.160	45.483	1077.8
1188	2.849	2.768	34.654	4.22	55.1	2.46	29.0			27.630	32.262	36.791	41.217	45.544	1174.9
1282	2.777	2.689	34.682	4.33	55.1	2.39	28.9			27.659	32.294	36.824	41.252	45.580	1267.7
1379	2.746	2.650	34.713	4.45	49.1	2.32	25.1			27.688	32.323	36.854	41.283	45.612	1363.5
1475	2.724	2.621	34 752	4.66	52.2	2.27	27.6			27.721	32.357	36.889	41.318	45.647	1458.2


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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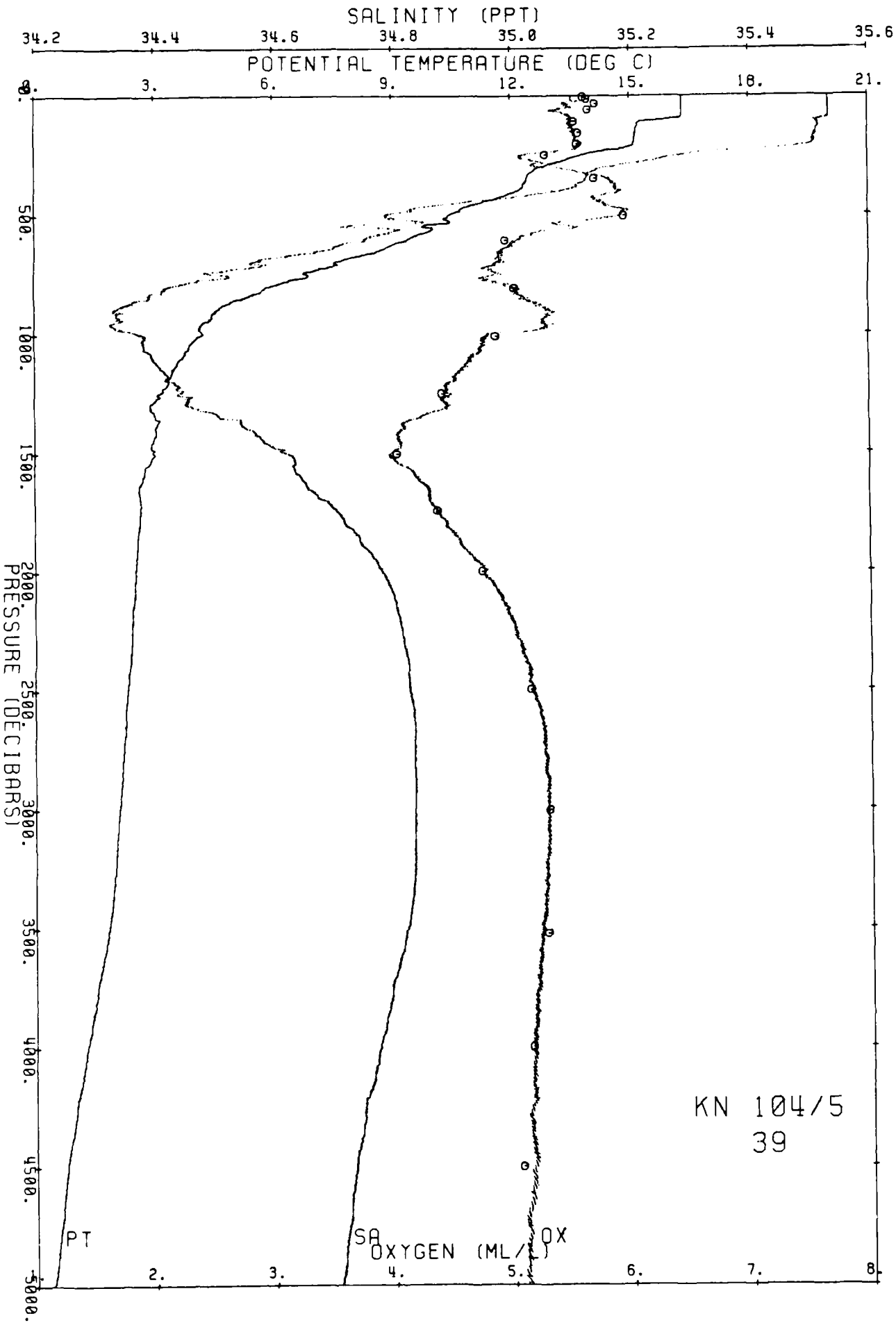

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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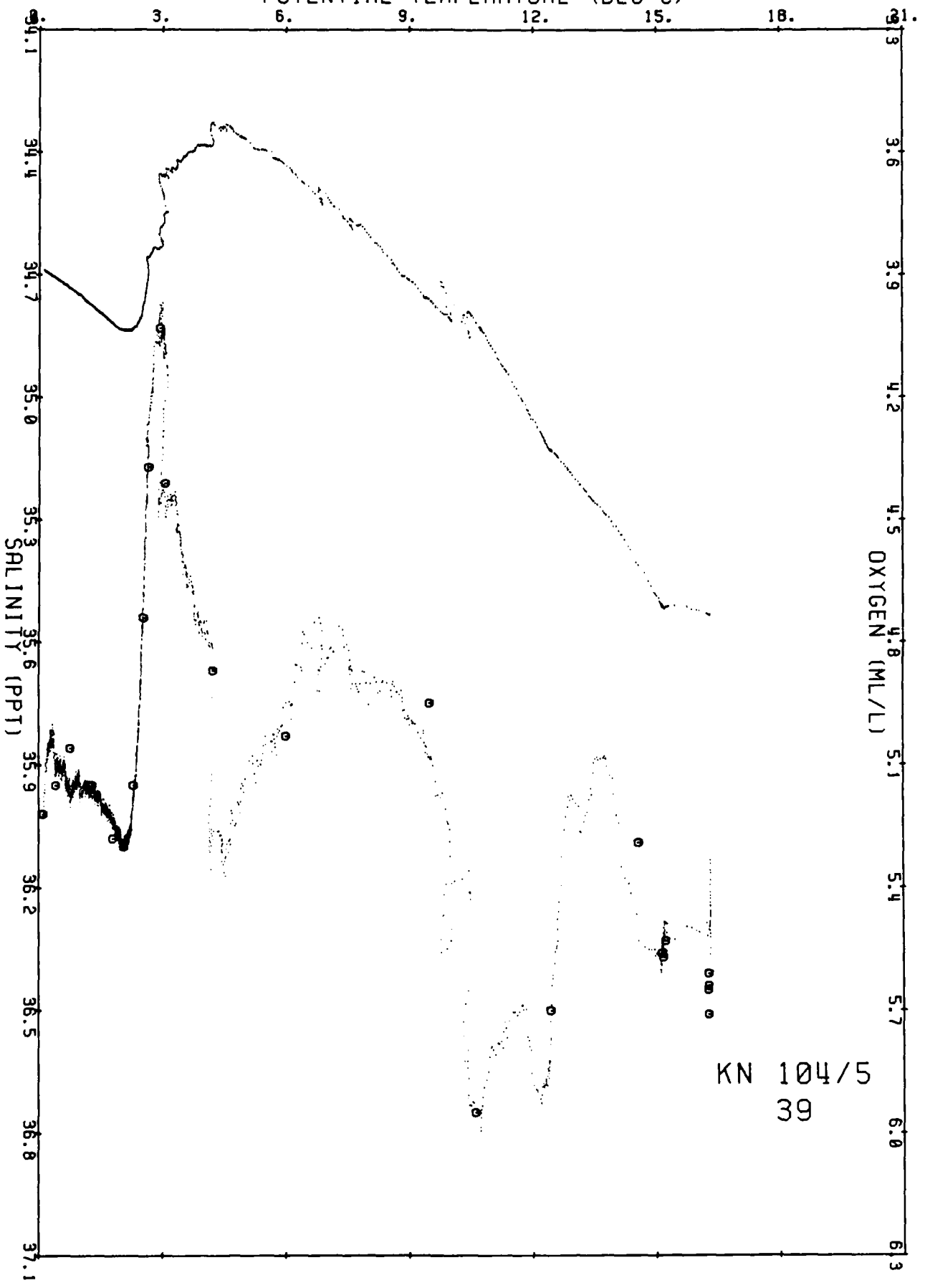

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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KN 104/5
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OXYGEN (ML/L)
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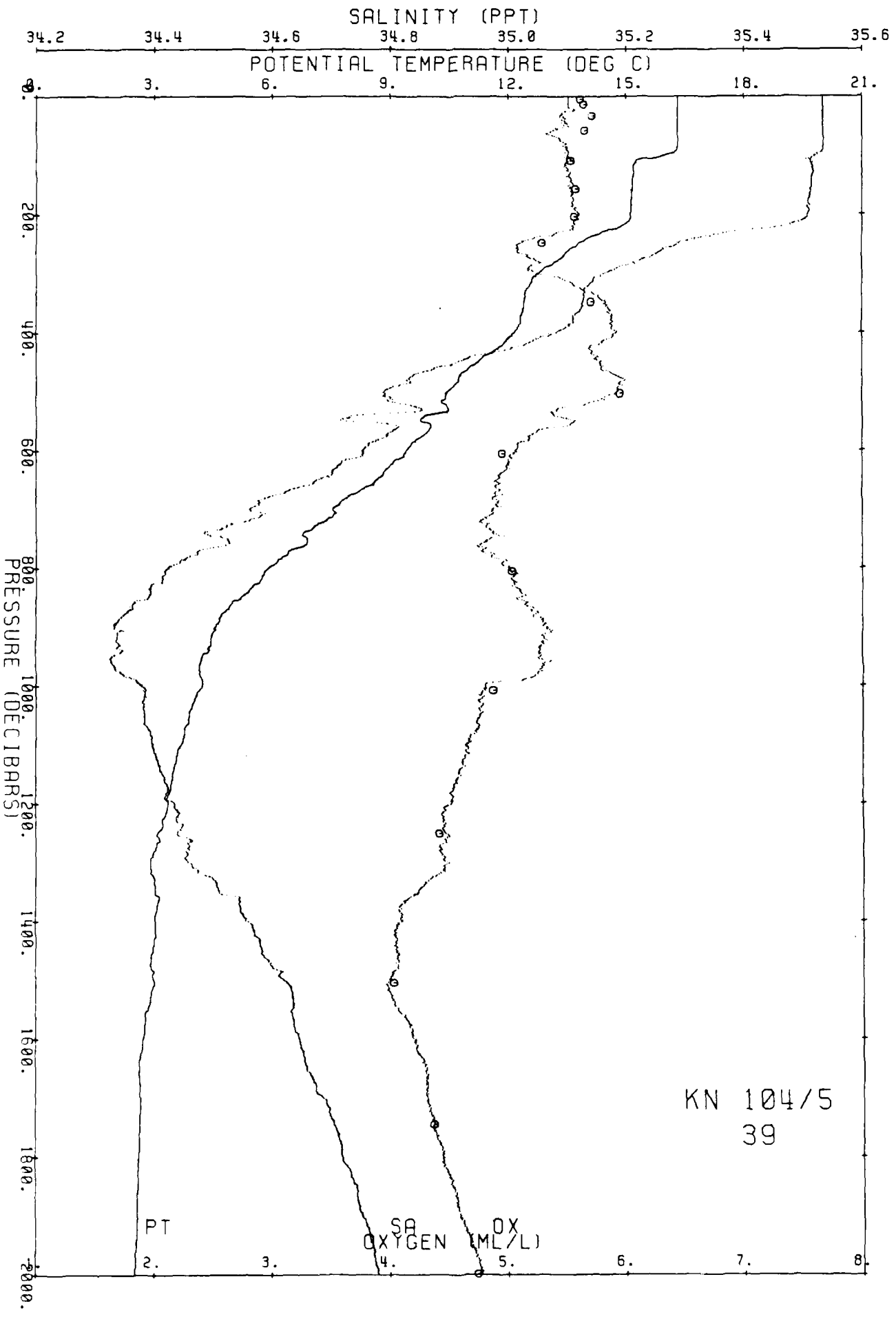
Ship KN Cruise 1045 Station 39 Cast 1 DT
Start 41 59.96 S 20 59.74 E at 602 83/11/27
End 41 58.50 S 20 58.21 E at 920

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	16.323	16.323	35.533	5.5	99.8	26.084	30.413	34.647	38.787	42.838	191.7	0.00	0.00	0.0
10	16.323	16.321	35.533	5.5	99.8	26.084	30.413	34.647	38.788	42.839	192.0	.02	34	10.0
20	16.324	16.321	35.534	5.5	100.0	26.085	30.414	34.648	38.789	42.840	192.3	.04	.50	19.9
30	16.324	16.320	35.533	5.5	98.9	26.085	30.414	34.647	38.788	42.839	192.7	.06	.35	29.9
40	16.325	16.319	35.533	5.5	98.9	26.085	30.414	34.648	38.789	42.840	193.0	.08	.28	39.9
50	16.324	16.316	35.533	5.5	99.7	26.085	30.415	34.648	38.789	42.840	193.3	.10	.39	49.8
60	16.327	16.318	35.534	5.4	97.1	26.086	30.415	34.649	38.790	42.841	193.6	.12	.37	59.8
70	16.328	16.317	35.534	5.4	98.3	26.086	30.415	34.649	38.790	42.841	193.9	.13	.21	69.7
80	16.330	16.317	35.534	5.5	99.4	26.086	30.415	34.649	38.790	42.841	194.3	.15	.09	79.7
90	16.312	16.298	35.534	5.5	99.5	26.091	30.420	34.654	38.795	42.847	194.2	.17	1.20	89.7
100	16.007	15.991	35.521	5.5	99.1	26.151	30.486	34.726	38.872	42.928	188.7	.19	4.38	99.6
120	15.222	15.204	35.517	5.5	97.3	26.326	30.675	34.928	39.088	43.157	172.7	.23	5.26	119.5
140	15.196	15.175	35.514	5.5	98.0	26.331	30.680	34.933	39.094	43.163	172.9	.26	.81	139.5
160	15.183	15.158	35.513	5.5	98.0	26.333	30.683	34.937	39.097	43.167	173.3	.30	.67	159.4
180	15.167	15.140	35.509	5.5	98.1	26.334	30.685	34.939	39.099	43.169	173.9	.33	.41	179.3
200	15.151	15.120	35.508	5.6	99.2	26.338	30.688	34.943	39.104	43.174	174.2	.37	.75	199.2
220	14.923	14.890	35.463	5.6	97.8	26.354	30.709	34.968	39.133	43.208	173.2	.40	1.63	219.1
240	14.067	14.033	35.317	5.2	90.3	26.426	30.798	35.073	39.254	43.344	166.7	.44	3.45	239.0
260	13.595	13.558	35.261	5.1	87.0	26.482	30.863	35.147	39.337	43.435	161.8	.47	3.02	258.9
280	13.214	13.175	35.213	5.3	89.4	26.523	30.912	35.204	39.401	43.506	158.2	.50	2.61	278.8
300	12.802	12.761	35.161	5.3	88.5	26.566	30.963	35.263	39.468	43.581	154.5	.53	2.66	298.7
320	12.587	12.544	35.137	5.6	93.1	26.590	30.992	35.296	39.505	43.622	152.6	.56	2.00	318.6
340	12.472	12.426	35.129	5.8	96.4	26.607	31.011	35.318	39.529	43.648	151.5	.59	1.67	338.5
360	12.435	12.387	35.122	5.9	97.7	26.610	31.015	35.322	39.534	43.654	151.8	.62	.64	358.3
380	12.370	12.320	35.110	5.9	98.1	26.614	31.020	35.328	39.542	43.663	152.0	.65	.82	378.2
400	12.230	12.177	35.083	5.9	98.3	26.620	31.030	35.341	39.558	43.681	151.8	.68	1.11	398.1
450	11.298	11.241	34.916	5.8	94.0	26.667	31.096	35.427	39.663	43.805	147.9	.76	1.86	447.8
500	10.513	10.452	34.789	5.9	94.8	26.709	31.156	35.504	39.756	43.913	144.3	.83	1.78	497.5
550	9.846	9.782	34.726	5.6	87.5	26.775	31.237	35.599	39.865	44.036	138.5	.90	2.15	547.2
600	9.480	9.412	34.754	5.1	79.0	26.859	31.328	35.698	39.971	44.150	131.3	.97	2.35	596.8
650	8.726	8.656	34.676	4.9	75.4	26.919	31.406	35.793	40.082	44.276	125.6	1.04	2.11	646.5
700	7.626	7.555	34.563	4.9	72.8	26.996	31.509	35.921	40.235	44.452	117.6	1.10	2.43	696.1
750	6.962	6.890	34.524	4.8	71.3	27.059	31.588	36.015	40.344	44.576	111.4	1.15	2.16	745.7
800	5.972	5.901	34.424	5.0	72.0	27.110	31.664	36.115	40.467	44.721	105.6	1.21	2.09	795.3
900	4.632	4.561	34.333	5.3	74.1	27.196	31.784	36.269	40.653	44.938	96.0	1.31	1.89	894.4
1000	4.310	4.232	34.379	4.8	66.4	27.268	31.864	36.357	40.749	45.042	89.6	1.40	1.58	993.5
1100	3.776	3.694	34.398	4.6	63.3	27.338	31.948	36.455	40.860	45.165	82.5	1.49	1.63	1092.6
1200	3.459	3.372	34.436	4.5	61.2	27.400	32.018	36.533	40.945	45.258	76.7	1.57	1.49	1191.5
1300	3.003	2.912	34.459	4.5	60.1	27.461	32.091	36.618	41.042	45.366	70.4	1.64	1.54	1290.5
1400	3.146	3.045	34.560	4.1	55.2	27.530	32.156	36.678	41.098	45.418	65.2	1.71	1.40	1389.3
1500	3.102	2.993	34.620	4.0	53.7	27.583	32.209	36.732	41.153	45.474	61.0	1.77	1.30	1488.2
1600	2.844	2.730	34.646	4.2	56.2	27.627	32.261	36.790	41.218	45.545	56.5	1.83	1.31	1586.9
1700	2.783	2.661	34.687	4.3	57.6	27.666	32.301	36.832	41.261	45.590	53.4	1.88	1.13	1685.7
1800	2.757	2.626	34.720	4.4	59.3	27.695	32.331	36.863	41.292	45.621	51.2	1.94	.97	1784.3
1900	2.721	2.582	34.752	4.6	61.1	27.725	32.361	36.894	41.324	45.654	49.0	1.99	.98	1883.0
2000	2.670	2.523	34.780	4.8	63.3	27.752	32.390	36.924	41.356	45.687	46.9	2.04	.97	1981.5
2100	2.648	2.492	34.800	4.9	65.1	27.771	32.410	36.944	41.377	45.709	45.7	2.08	.79	2080.1
2200	2.613	2.449	34.811	5.0	66.4	27.783	32.423	36.959	41.392	45.725	45.0	2.13	.68	2178.6
2300	2.583	2.410	34.816	5.1	67.2	27.791	32.432	36.968	41.402	45.736	44.8	2.17	.54	2277.0
2400	2.552	2.370	34.824	5.1	68.1	27.801	32.442	36.980	41.415	45.750	44.4	2.22	.62	2375.4
2500	2.514	2.323	34.827	5.2	68.6	27.807	32.450	36.989	41.425	45.761	44.2	2.26	.54	2473.7
2600	2.470	2.270	34.834	5.2	69.2	27.817	32.462	37.002	41.439	45.777	43.6	2.30	.65	2572.1
2700	2.440	2.232	34.833	5.3	69.6	27.819	32.465	37.006	41.445	45.783	43.7	2.35	.40	2670.3
2800	2.406	2.189	34.835	5.3	69.9	27.824	32.471	37.014	41.454	45.793	43.6	2.39	.50	2768.5
2900	2.372	2.145	34.835	5.3	70.0	27.828	32.476	37.020	41.461	45.801	43.6	2.44	.46	2866.7
3000	2.336	2.100	34.835	5.3	69.8	27.832	32.481	37.026	41.468	45.809	43.6	2.48	.47	2964.8
3200	2.261	2.007	34.833	5.3	69.5	27.838	32.490	37.037	41.481	45.825	43.5	2.57	.46	3160.9
3400	2.187	1.913	34.828	5.3	69.2	27.841	32.496	37.046	41.493	45.839	43.6	2.65	.43	3356.9
3600	2.012	1.722	34.812	5.2	68.1	27.843	32.503	37.058	41.511	45.862	42.9	2.74	.56	3552.6
3800	1.805	1.499	34.792	5.2	67.3	27.844	32.510	37.072	41.530	45.887	41.8	2.82	.60	3748.2
4000	1.593	1.271	34.774	5.2	66.8	27.845	32.519	37.087	41.551	45.914	40.4	2.91	.64	3943.7
4200	1.398	1.059	34.754	5.2	66.6	27.844	32.523	37.098	41.568	45.937	39.2	2.99	.59	4138.9
4400	1.215	.860	34.740	5.2	66.1	27.846	32.531	37.111	41.587	45.961	37.6	3.06	.63	4334.0
4600	1.077	.703	34.728	5.1	65.6	27.846	32.536	37.121	41.601	45.979	36.6	3.14	.56	4528.9
4800	.957	.564	34.718	5.1	65.1	27.847	32.541	37.129	41.614	45.996	35.6	3.21	.54	4723.6
5000	.830	.418	34.708	5.1	64.7	27.847	32.546	37.139	41.627	46.013	34.4	3.28	.57	4918.1
5200	.727	.295	34.699	5.1	64.1	27.847	32.549	37.146	41.638	46.027	33.4	3.35	.52	5112.5
5326	.571	.130	34.688	5.2	65.5	27.848	32.555	37.156	41.653	46.047	31.6	3.39	.78	5234.9

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	16.265	16.264	35.549	5.61	4.3	0.31	1.9	0.12	0.36	26.110	30.440	34.674	38.816	42.868	4.2
13	16.268	16.266	35.549	5.64	5.5	0.30	2.0	0.10	0.20	26.110	30.439	34.674	38.816	42.867	13.1
33	16.269	16.264	35.547	5.71	5.5	0.29	1.9	0.12		26.109	30.438	34.673	38.815	42.866	32.7
58	16.274	16.265	35.547	5.65	5.5	0.29	2.0	0.10		26.108	30.438	34.673	38.814	42.866	57.3
109	15.234	15.217	35.523	5.53	5.5	0.41	4.9	0.01		26.328	30.677	34.929	39.089	43.157	108.0
157	15.190	15.166	35.521	5.57	4.6	0.44	4.4			26.338	30.687	34.941	39.101	43.171	155.6
204	15.172	15.141	35.519	5.56	5.3	0.44	5.1			26.342	30.692	34.946	39.107	43.177	201.9
248	14.595	14.558	35.420	5.29	5.7	0.55	6.8			26.393	30.755	35.020	39.191	43.271	246.0
348	12.473	12.426	35.130	5.70	5.6	0.73	9.2			26.608	31.012	35.319	39.530	43.649	345.1
504	10.659	10.597	34.817	5.95	4.3	0.90	9.1			26.706	31.149	35.494	39.743	43.897	499.2
605	9.551	9.482	34.767	4.95	8.3	1.41	14.6			26.858	31.325	35.694	39.965	44.142	599.7
806	6.075	6.003	34.438	5.03	19.5	1.94	27.4			27.109	31.659	36.108	40.458	44.710	797.8
1008	4.307	4.228	34.378	4.87	23.4	2.28	23.0			27.268	31.863	36.357	40.749	45.042	997.3
1252	3.161	3.072	34.442	4.41	47.9	2.52	34.6			27.433	32.059	36.581	41.002	45.322	1237.9
1505	3.046	2.937	34.634	4.03	57.6	2.50	31.9			27.599	32.227	36.751	41.173	45.496	1487.6
1745	2.782	2.656	34.701	4.37	55.0	2.35	29.7			27.678	32.313	36.844	41.273	45.601	1724.0
1999	2.691	2.544	34.771	4.74	48.2	2.16	25.3			27.743	32.381	36.914	41.346	45.676	1973.8
2498	2.499	2.309	34.832	5.15	48.6	1.97	24.9			27.812	32.456	36.995	41.432	45.768	2464.2
3005	2.313	2.077	34.840	5.30	39.2	1.93	18.4			27.838	32.487	37.033	41.476	45.818	2960.5
3522	2.083	1.799	34.825	5.28	41.3	1.99	17.5			27.848	32.505	37.058	41.509	45.858	3465.7
3998	1.620	1.297	34.781	5.15	69.6	2.17	26.4			27.849	32.522	37.089	41.553	45.915	3930.6
4501	1.133	0.769	34.736	5.06	61.8	2.32	21.3			27.849	32.537	37.119	41.598	45.974	4419.9
5006	0.834	0.421	34.711	5.15	80.9	2.43	26.3			27.850	32.548	37.141	41.629	46.015	4909.9
5332	0.556	0.114	34.691	5.22	78.4	2.49	24.3			27.851	32.559	37.160	41.657	46.052	5225.8


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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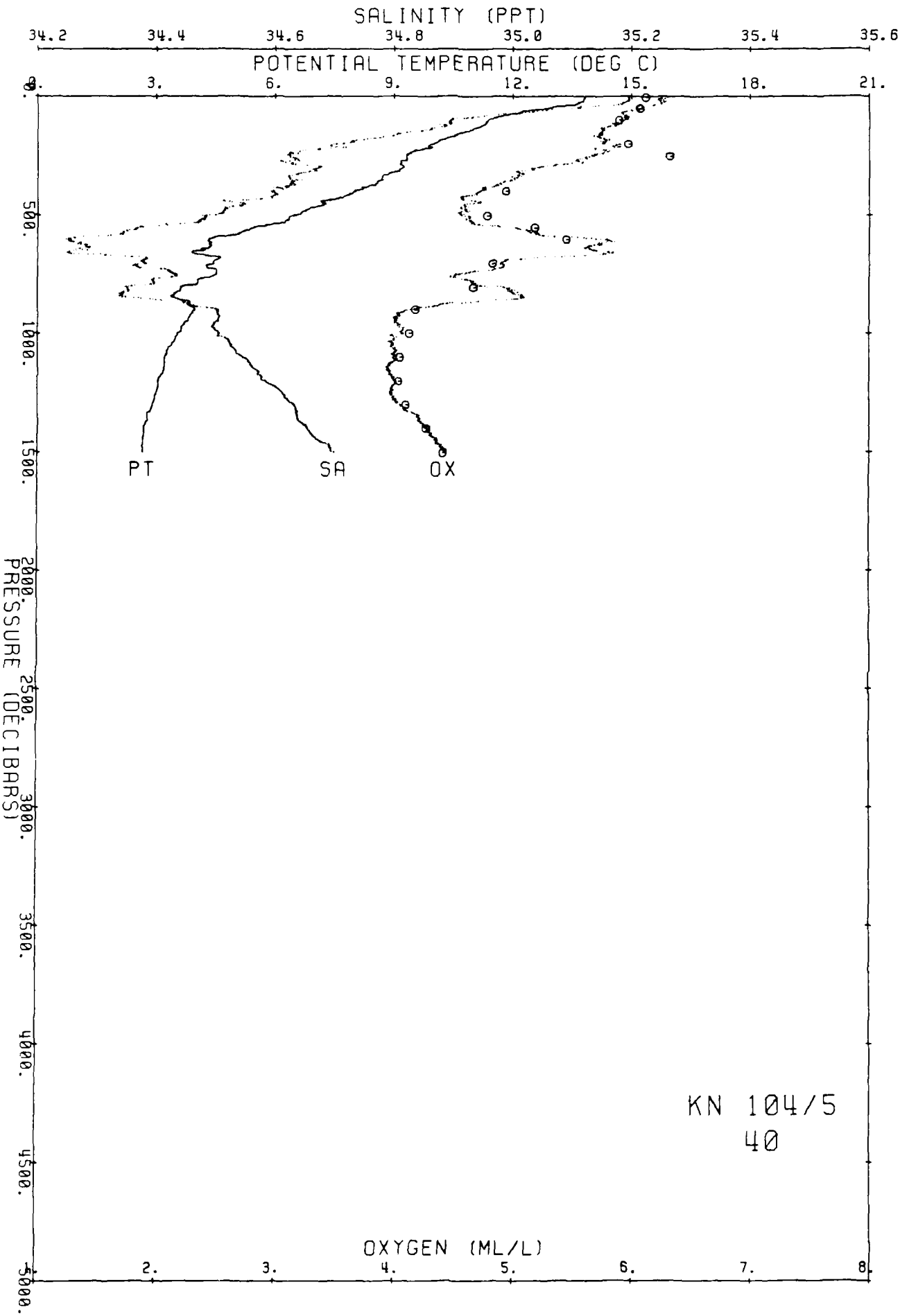

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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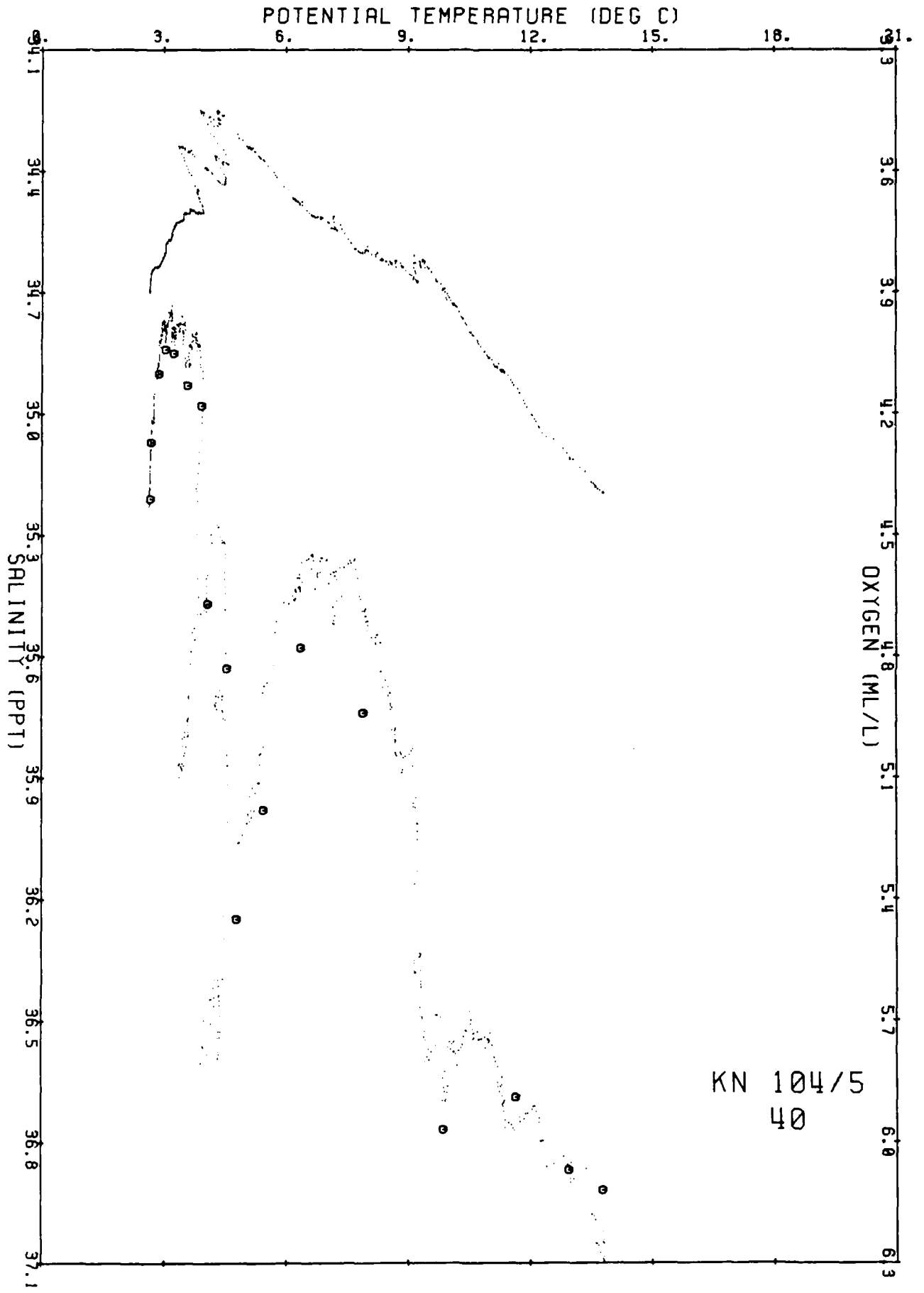

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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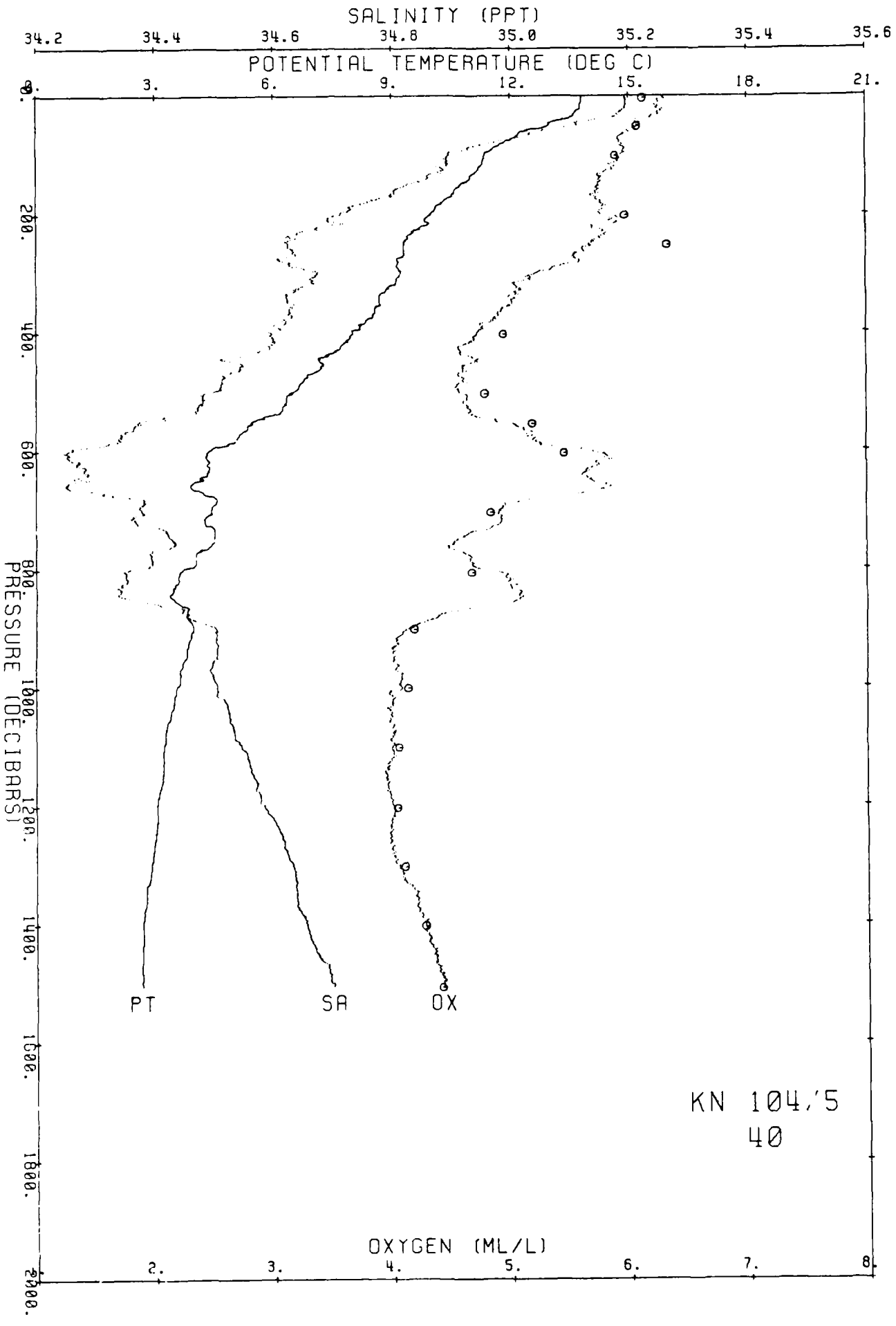
Ship KN Cruise 1045 Station 40 Cast 1 DT
Start 41 20.04 S 20 59.82 E at 1334 83/11/27
End 41 20.92 S 20 57.16 E at 1507

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	13 811	13.811	35.196	6 3	108.1	26 379	30.756	35.036	39 222	43 316	163 7	0 00	0.00	0 0
10	13 817	13 816	35.196	6 3	108.0	26.378	30.755	35.035	39.220	43.315	164.1	.02	.55	10 0
20	13 788	13.785	35.195	6 2	107.1	26.384	30.761	35.041	39.228	43.322	163.9	.03	1.34	19 9
30	13 634	13.630	35.181	6 3	107.0	26.405	30.786	35.069	39.258	43.356	162 1	.05	2.60	29 9
40	13 374	13 369	35.144	6 1	103.3	26 430	30.816	35.104	39.298	43.401	160.0	.07	2.81	39 8
50	12 989	12.982	35.113	6 1	102.8	26.485	30.878	35.174	39.375	43.484	155 1	.08	4 14	49 8
60	12 310	12 302	35.049	6 0	99.8	26.569	30.977	35.286	39.500	43.622	147.3	.10	5.18	59 8
70	12 124	12.115	35.014	5.9	98.0	26.578	30.990	35.303	39.521	43.646	146.7	.11	1 70	69 7
80	11 866	11.856	34.966	5 9	97.9	26.591	31.007	35.326	39 549	43.679	145 8	.13	1 99	79 7
90	11 581	11 570	34.923	6 0	97.7	26.611	31.034	35 358	39 587	43.723	144.0	.14	2 56	89.6
100	11 383	11 371	34 898	5 9	96.2	26 629	31.056	35 384	39.617	43 757	142 6	.15	2 37	99 6
120	11 250	11.236	34.876	5 9	95.5	26 637	31 066	35 398	39 634	43 776	142.3	18	1.13	119 5
140	10 992	10.975	34.860	5 8	92 9	26.671	31 107	35 444	39.685	43 832	139 5	21	2 36	139.4
160	10 607	10.588	34 805	5 7	91.8	26.698	31.142	35.487	39.736	43.891	137.3	.24	2.08	159 3
180	10 324	10.303	34.760	5 8	91.8	26.713	31.163	35.514	39 769	43.930	136 3	27	1 58	179 2
200	10 011	9.988	34.709	5.8	91.1	26 727	31.185	35.543	39.804	43.971	135.3	.29	1.57	199.1
220	9 817	9 792	34 680	5.7	89.6	26 738	31.200	35.562	39.828	43.999	134.6	.32	1.34	219.0
240	9 438	9.411	34.638	5 7	89.7	26.768	31.239	35.610	39.883	44.062	132.0	.35	2 26	238.9
260	9 336	9 307	34 632	5.6	87.3	26 781	31 253	35.626	39 902	44.083	131.2	37	1 42	258 8
280	9 207	9.177	34.627	5.6	86.6	26.798	31.274	35.650	39.928	44.112	129 9	.40	1 68	278 7
300	9 251	9 218	34.676	5.2	81.0	26.830	31.304	35.679	39.956	44.139	127 4	.42	2.21	298 6
320	9 075	9.041	34.656	5.0	78.1	26.843	31.321	35.700	39.981	44.167	126.4	.45	1.49	318.4
340	8 720	8.684	34.622	5.0	76.5	26.873	31.359	35.746	40.035	44.228	123.8	.48	2.26	338 3
360	8 605	8.567	34.628	4.9	75.5	26.896	31.385	35.774	40.065	44.261	121.9	.50	1.94	358 2
380	8 398	8.358	34.616	4.8	73.7	26 918	31.412	35.806	40.102	44.302	120.0	.52	1.96	378.1
400	8 058	8.017	34.596	4 7	71.4	26.954	31.456	35.858	40.161	44.369	116.7	.55	2 47	398 0
450	7 245	7 202	34 541	4.7	69.7	27.029	31.550	35.971	40.292	44.517	109 7	.60	2.28	447.6
500	6 560	6 514	34.498	4.6	66.6	27.089	31.627	36.064	40.401	44 641	104.1	.66	2.06	497 3
550	5 514	5 468	34.375	4 9	69.3	27.125	31.689	36.152	40.514	44.778	100.1	.71	1.76	547 0
600	4 417	4 372	34.253	5.7	78.4	27.153	31.746	36.237	40.626	44.917	96.5	.76	1.68	596.6
650	4 143	4.096	34.266	5 7	78.1	27 193	31.793	36 290	40.686	44 983	92.8	81	1.66	646.2
700	4 495	4.442	34.378	4 9	68.1	27 245	31 835	36.323	40.710	44.998	89 1	.85	1.69	695.8
750	4 568	4 510	34 430	4 5	63.2	27.279	31.867	36 352	40.737	45.023	86.6	89	1.42	745.4
800	3 763	3.706	34.358	4.7	64.6	27.305	31.915	36.422	40.827	45.132	83.0	.94	1.65	795 0
900	4 042	3 974	34.503	4 1	56 9	27 394	31.995	36 494	40.891	45.189	76 3	1 02	1.59	894 1
1000	3 617	3 544	34.504	4.1	55.5	27.438	32.051	36.560	40.968	45.276	72 0	1.09	1.31	993.2
1100	3 292	3 214	34.546	4 0	53.9	27.503	32.124	36.642	41.058	45.374	65.9	1.16	1.52	1092.2
1200	3 142	3 057	34.582	4 0	54.0	27.546	32.172	36.693	41.113	45.432	62.2	1.22	1.22	1191 2
1300	2 992	2 900	34.632	4 1	54.4	27.601	32.230	36.755	41.178	45.501	57.5	1.28	1.36	1290 1
1400	2 787	2.690	34.654	4 3	56.9	27.637	32.271	36.802	41.231	45.559	54.1	1 34	1.17	1389.0
1500	2 762	2 657	34 699	4 4	58.9	27.676	32.311	36 842	41 271	45.599	51.1	1.39	1.11	1487 8
1504	2 768	2.662	34.699	4.4	58.9	27.675	32.310	36.841	41 270	45.599	51 2	1.39	-9.99	1491.7

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	13 771	13 770	35 201	6.12	2.9	0.46	2.8	0.15	0.37	26.391	30.769	35.050	39.236	43.331	3 8
14	13 776	13 774	35 200		5.0	0.46	3.0	0.16	0 35	26.390	30.767	35.048	39.234	43.329	13 9
27	13 725	13 721	35 201		5.5	0.46	3 0	0.15	0 30	26.402	30.780	35.062	39.249	43 345	26 5
52	12 937	12.930	35 105	6.07	2.8	0.50	3.3	0.14	0.24	26.489	30.883	35.180	39.383	43.493	51 2
101	11 644	11 631	34 965	5.89	4.4	0 82	8.0	0.01	0 20	26 632	31.054	35.377	39 604	43.739	100.5
152	10 624	10.606	34 804		6.5	0.99	9.0	0.01		26.694	31.138	35.482	39.731	43.885	150.3
202	9 871	9 848	34 692	5.97	5.8	0.10	13.6	0.01		26.738	31.198	35.559	39.824	43.994	200.7
252	9 465	9.437	34.634	6.32	5.6	1.06	13.5	0.30		26.761	31.231	35.601	39.874	44.053	250 0
302	9 358	9 324	34 682		7.2	1.32	9.6	0.01		26.817	31.289	35.661	39.937	44.117	299.4
353	8 614	8 577	34 626		9.5	1.50	18.4			26.892	31.381	35.770	40.062	44.257	349 8
404	7 932	7 891	34 589	4.94	13.4	1.66	23.3			26.968	31.472	35.877	40.183	44.393	399 9
454	7 008	6.965	34.502		16.2	1.87	26.1			27.032	31.559	35.985	40.312	44.542	449.7
504	6 393	6 347	34.488	4.78	19.7	2.00	25.4			27.104	31.645	36.086	40.427	44.671	499.3
554	5 475	5.429	34 380	5.18	20.3	2.08	26.2			27.133	31.699	36 162	40.525	44.791	549.0
605	4 815	4.767	34.314	5.45	20.2	2.12	28.2			27.158	31.741	36 221	40.600	44.881	599 1
705	4 603	4.548	34.393	4.83	19.4	2.29	16.5			27.245	31.833	36.317	40.702	44.987	697 8
806	4 123	4 063	34.403	4.67	35.5	2.44	31.3			27.305	31.905	36.402	40.798	45.095	797 8
902	3 999	3.931	34 482	4.18	23.3	2.55	14.7			27.381	31.984	36.484	40.882	45.182	892.6
1001	3 653	3 580	34 505	4.13	51.7	2.59	34.7			27.435	32.047	36.555	40.962	45.270	990.9
1101	3 324	3 245	34 541	4.05	55.8	2.65	35.3			27.496	32.116	36.633	41.049	45.364	1089.3
1203	3 131	3 046	34 586	4.04	50.6	2 60	27.9			27.551	32.176	36 698	41.118	45.438	1190.2
1303	2 971	2.879	34 634	4.10	55.8	2 53	30.6			27.604	32.234	36 759	41.183	45.507	1288.5
1403	2 786	2 688	34 655	4.27	49.8	2.49	28.8			27.638	32.272	36 803	41 232	45.560	1387 0
1507	2 768	2.662	34 700	4.41	42.1	2.35	23.4			27.676	32.311	36.842	41.271	45.599	1489.6


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
PRESSURE (DECIBARS)
PT
SA
OX
OXYGEN (ML/L)
2.
3.
4.
5.
6.
7.
8.
KN 104/5
40

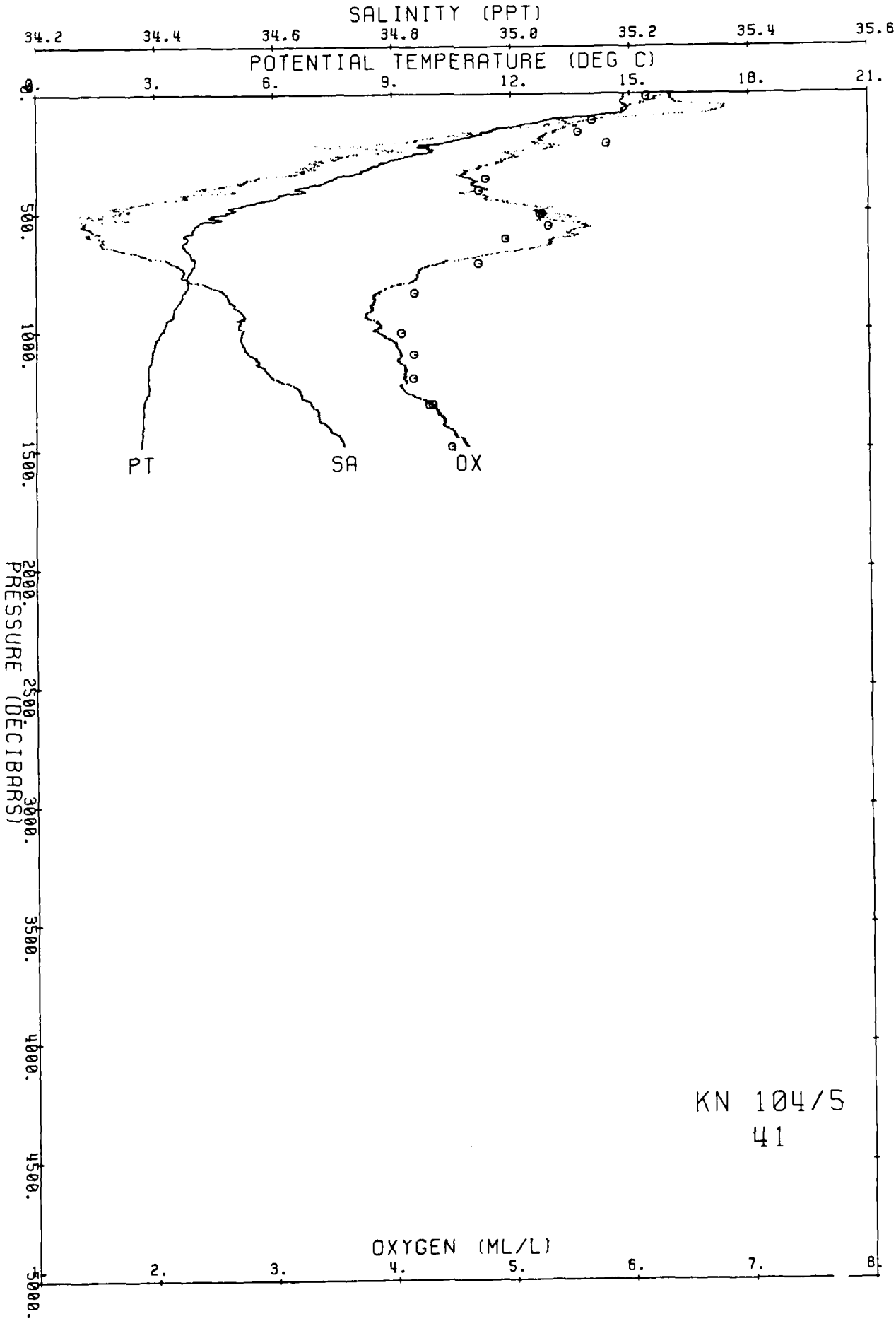

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
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15.
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21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
5.4
5.7
6.0
6.3
KN 104/5
40


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PT
SA
OX
OXYGEN (ML/L)
2.
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5.
6.
7.
8.
KN 104/5
40

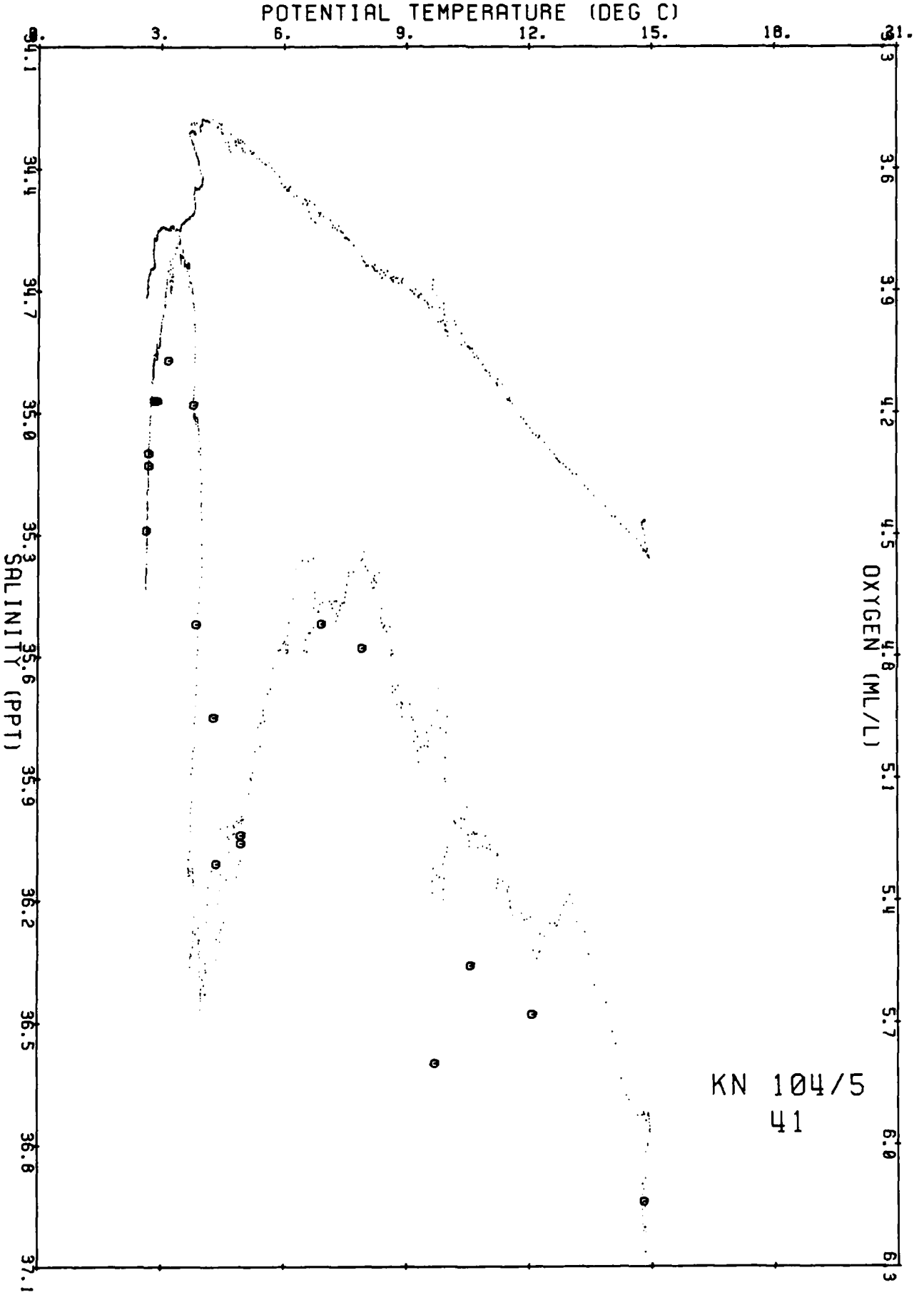
Ship KN Cruise 1045 Station 41 Cast 1 DT
Start 40 39.92 S 20 57.48 E at 1953 83/11/27
End 40 40.52 S 21 .37 E at 2144

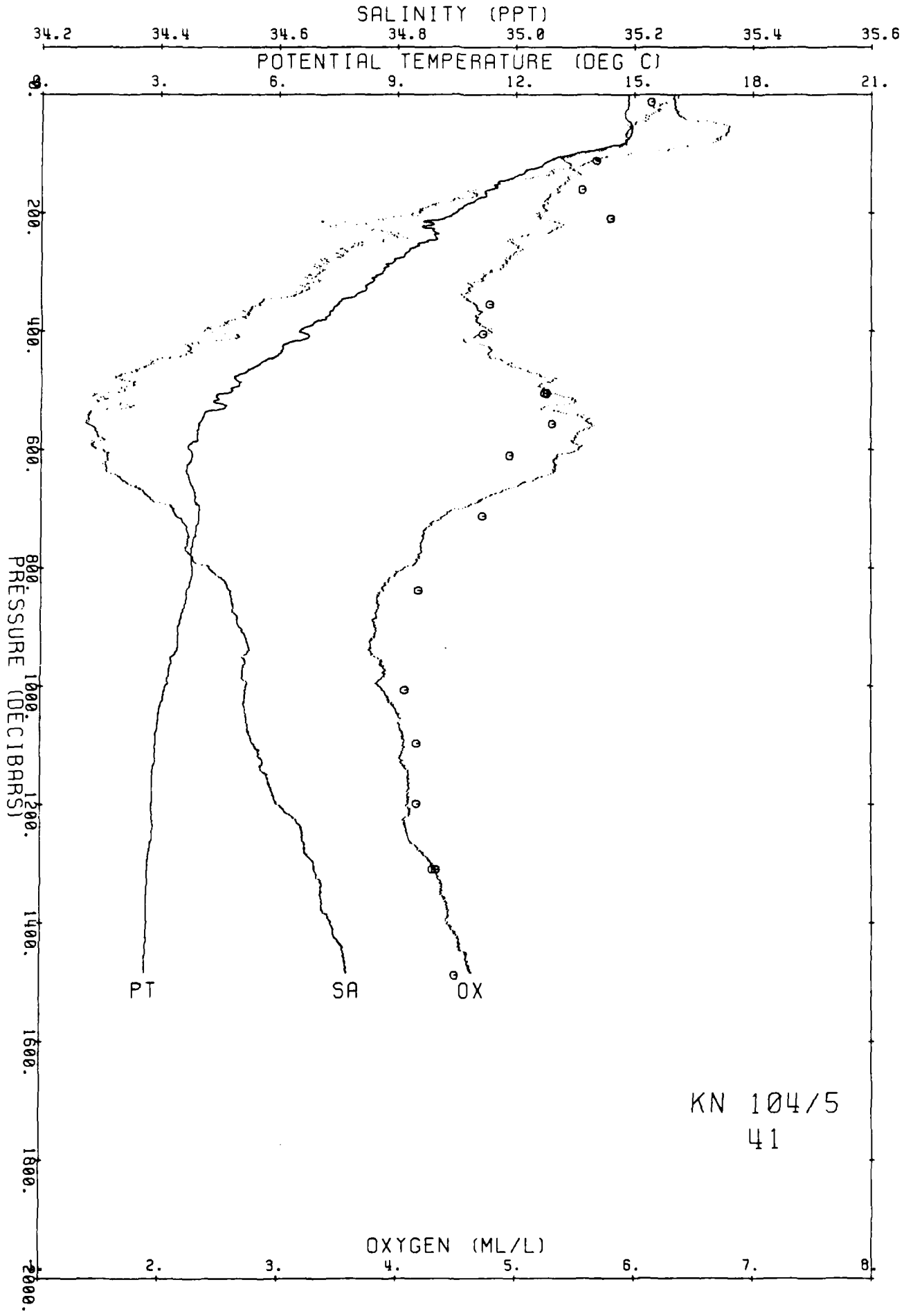
PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	14.843	14.843	35.267	6.4	111 8	26.213	30 570	34.831	38.999	43.075	179.4	0.00	0.00	0.0
10	14.841	14.840	35.268	6.3	111.3	26 215	30 572	34.833	39.000	43.077	179.6	.02	.67	10 0
20	14.841	14.839	35.270	6.2	108.9	26.216	30 574	34.835	39.002	43.079	179.8	.04	.77	19.9
30	14.774	14.770	35.272	6.2	108 3	26.233	30 592	34.854	39.022	43 100	178.5	.05	2.28	29.9
40	14.796	14.791	35.285	6.1	106 9	26.238	30 597	34.858	39.026	43.104	178.3	.07	1 31	39.8
50	14.914	14.906	35.342	6.0	105.5	26.257	30.613	34.872	39.038	43.113	176.9	.09	2 41	49.8
60	14.949	14.940	35.359	5.9	104.7	26.263	30 618	34.876	39.041	43.116	176.7	.11	1 34	59 8
70	14 909	14.898	35.354	5.9	104.3	26.268	30.624	34.883	39.049	43.124	176.5	.12	1.29	69.7
80	14.808	14.796	35.337	5.9	104.0	26 277	30.635	34.896	39.064	43.141	175 9	.14	1.71	79.7
90	14.262	14.249	35.276	5.8	101 3	26.348	30 716	34.988	39.165	43.252	169.4	.16	4 75	89 6
100	13.472	13 458	35.190	5.5	94.5	26 448	30 831	35.118	39.310	43.410	160 2	.18	5 62	99.6
120	12.687	12 671	35.112	5.5	91 7	26 546	30 945	35 247	39 454	43 569	151 3	.21	3 96	119 5
140	11.960	11.942	35.028	5.4	89.9	26.623	31 037	35.354	39.575	43.703	144.4	.24	3.51	139.4
160	11.387	11.367	34.932	5.4	87.3	26.656	31 083	35.411	39.644	43.784	141.6	.27	2.35	159.3
180	10.978	10.956	34.895	5.2	84.7	26.702	31.138	35.475	39.716	43.863	137.5	.29	2.73	179.2
200	10.529	10.505	34.837	5.2	82.7	26.737	31.183	35.530	39.780	43.936	134.5	.32	2.41	199 1
220	9.948	9.923	34 731	5.4	85.2	26.755	31.214	35.573	39.836	44 004	133 0	.35	1 80	219 0
240	9.989	9.961	34.799	5.0	79.8	26.802	31.259	35.617	39.879	44 046	129.1	.37	2 69	238 9
260	9.400	9.371	34.708	5.0	78 3	26.830	31.300	35.672	39.946	44 125	126 6	.40	2 20	258.8
280	8.948	8.918	34.672	4.9	75.9	26.875	31 356	35.737	40.021	44 209	122 5	.42	2 74	278 7
300	8 664	8 633	34.669	4.8	73.6	26 917	31 405	35.792	40.082	44 276	118.7	.45	2 64	298 6
320	8.311	8.278	34.651	4.6	70.3	26.958	31.454	35.849	40.146	44 348	115 0	.47	2 60	318 5
340	7.991	7.957	34.626	4.6	68.9	26 987	31.490	35 893	40.197	44 406	112 4	.49	2 22	338 4
360	7.435	7.400	34.555	4.7	69 6	27 012	31.529	35.944	40.262	44 482	109 9	.52	2 17	358 2
380	7.171	7.135	34.526	4.7	69.1	27.027	31.550	35 972	40.295	44 521	108 7	.54	1 63	378 1
400	6.558	6.522	34.474	4.8	69.8	27.069	31.607	36.044	40.381	44 621	104 4	.56	2 75	398 0
450	5.663	5.625	34.384	4.9	69.8	27.113	31 673	36.132	40.490	44 751	100 1	.61	1 82	447 7
500	4.873	4.834	34.341	5.2	73.3	27.172	31.753	36 231	40.608	44 888	94 3	.66	2 07	497 3
550	4.129	4.089	34.281	5.6	77.1	27.205	31.805	36.303	40 699	44 996	90 7	.71	1 65	547 0
600	3.801	3.758	34.305	5.5	75.5	27.258	31.867	36.372	40 776	45 081	85 7	.75	1 90	596 6
650	3.811	3.765	34.337	5.2	70 6	27.283	31 891	36 396	40.800	45 104	83 8	.79	1 24	646 2
700	4 068	4.017	34.424	4.5	62.2	27.326	31.927	36.425	40.822	45 120	80 7	.83	1 55	695 8
750	3.921	3.866	34.448	4.2	57.9	27.361	31 966	36.467	40.868	45 169	77 6	.87	1 53	745 4
800	3.897	3.838	34.483	4.1	55.6	27.392	31 997	36.499	40.900	45 201	75 2	.91	1 39	795 0
900	3.547	3.483	34.536	3.8	51.8	27.469	32.083	36 594	41.003	45 313	68 1	.98	1 63	894 1
1000	3.229	3.160	34.548	3.8	51.9	27.510	32.132	36.651	41.069	45 386	64 4	1 05	1 23	993 2
1100	2.984	2.908	34.561	4.1	54.3	27.543	32.172	36.698	41.122	45.445	61 3	1 11	1 12	1092 2
1200	2.899	2.816	34.602	4.1	54.7	27.584	32.216	36.743	41.169	45 494	58 0	1 17	1 16	1191 1
1300	2.806	2.716	34.661	4.3	57.4	27.640	32.274	36.804	41.232	45.559	53 2	1 23	1 35	1290 0
1400	2.790	2.693	34.689	4.4	59.1	27.665	32.299	36.829	41.257	45 585	51 5	1 28	88	1388 9
1485	2.757	2.653	34.717	4.6	61.8	27.691	32 326	36.857	41 286	45.614	49 6	1 32	1 00	1472 9

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
13	14.801	14.799	35.260	6.14	3.3	0.41	1.8	0.08	0.32	26.217	30 575	34.837	39 005	43 082	12 6
27	14.809	14.805	35.261		4.4	0.37	1.8	0.08	0.30	26.217	30 575	34.836	39 004	43 081	27 2
58	14.674	14.665	35.246		4.9	0.35	1.8	0.09	0.47	26 236	30 596	34 860	39 031	43 110	57 3
112	12.091	12 076	34.975	5.68	4.7	0.88	7.7	0.14	0.20	26.556	30 968	35.282	39 501	43 627	111 1
160	10.581	10.562	34.760	5.56	6.2	1.07	13.1	0.04		26.667	31 112	35.458	39.708	43.864	159.1
210	9.727	9.703	34.665	5.80	5.6	1.22	12.5	0.01		26.741	31 205	35.569	39 837	44 010	208.1
258	9.609	9.580	34.740		8.6	1.36	16.4			26.820	31.286	35.653	39 922	44 097	255 9
306	8 831	8.798	34.714		12.8	1.57	17.1			26.927	31.410	35.794	40 079	44 270	303 2
355	7 948	7.912	34.631	4.78	14.6	1.77	17.4			26.997	31 501	35.905	40.210	44.420	351.7
404	6.968	6.930	34.558	4.72	19.6	1.97	24.0			27.081	31.608	36 034	40.362	44.593	400.6
455	6.121	6.081	34.491		14.5	2.09	13.0			27.140	31.689	36.136	40.483	44 733	450.5
505	5.014	4.974	34.370	5.24	24.0	2.22	29.4			27.179	31.756	36.230	40.604	44 880	500.2
505	5.014	4.974	34.366	5.26	23.2	2.22	26.7			27.176	31.753	36.227	40.601	44.877	500.5
557	4.408	4.366	34.335	5.31	19.8	2.28	20.9			27.219	31.811	36 301	40.690	44 980	551.8
610	4.352	4.306	34.382	4.95	20.3	2.40	16.3			27.263	31 856	36.347	40.738	45 029	604.7
713	3.925	3.873	34.400	4.72	27.2	2.48	19.8			27.322	31.927	36.429	40.829	45 131	705.7
838	3.866	3.804	34.505	4.18	50.7	2.61	34.3			27.413	32 019	36.521	40.923	45.225	829 5
916	3 538	3.472	34.540		57.3	2.68	35.3			27.473	32.088	36.599	41.008	45 318	906.8
1007	3.257	3.186	34.552	4.07	53.5	2.67	32.0			27.510	32.132	36.651	41 067	45 384	996.5
1097	2.978	2.903	34.565	4.17	57.6	2.62	35.5			27.547	32 176	36.702	41.126	45 449	1085.5
1199	2.914	2.831	34.616	4.17	59.6	2.60	37.0			27.594	32 225	36.752	41 177	45 502	1185.7
1310	2 800	2.709	34.663	4.30	53.3	2.48	29.7			27.642	32 276	36.806	41 234	45 562	1295.4
1310	2.800	2.709	34.663	4.33	60.9	2.48	34.5			27 642	32 276	36.806	41 234	45 562	1295.7
1488	2.755	2.650	34.718	4.49	57.6	2.37	32.8			27.692	32 327	36 858	41 287	45 615	1471 5


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
OXYGEN (ML/L)
2.
3.
4.
5.
6.
7.
8.

KN 104/5
41

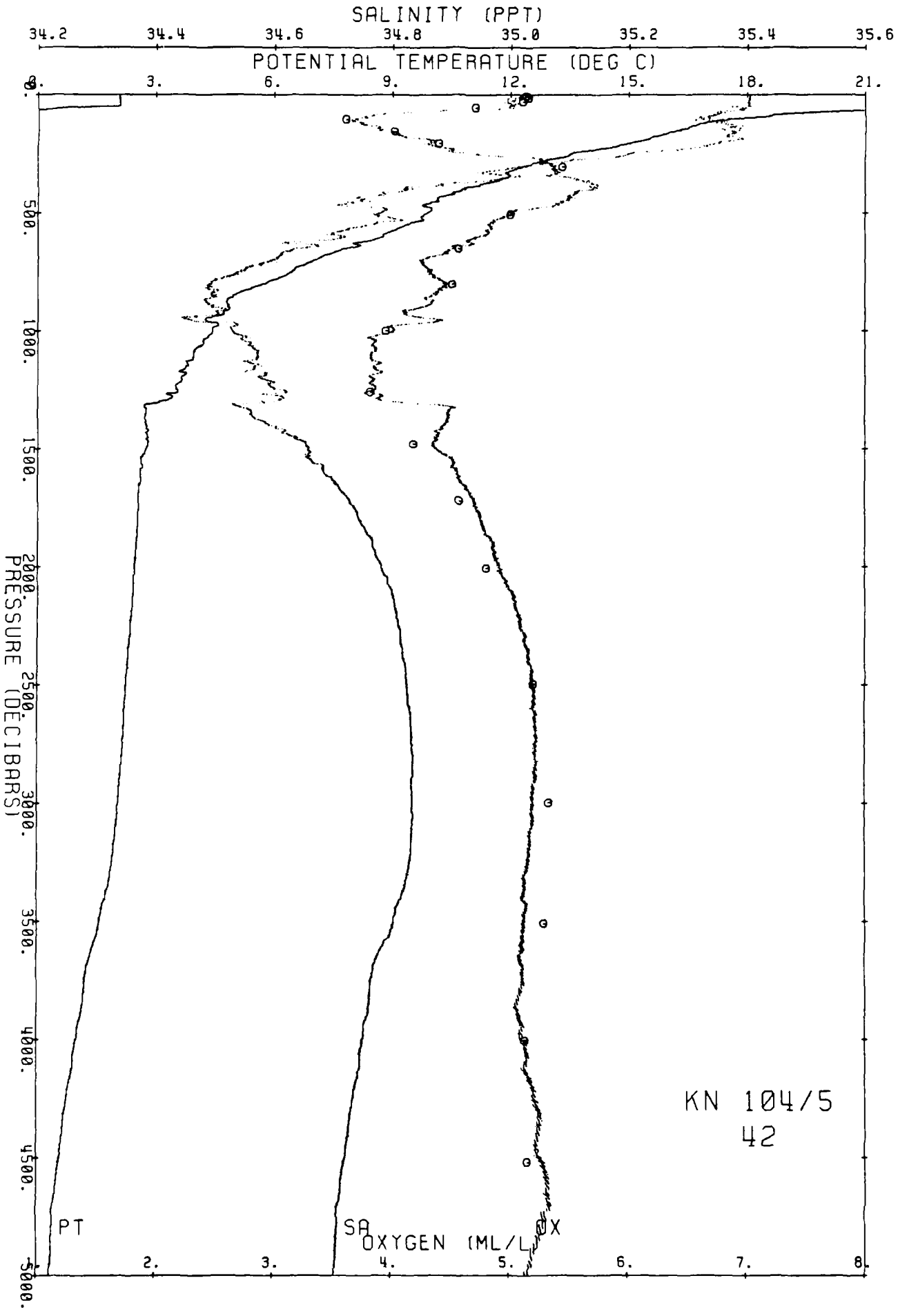

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
5.4
5.7
6.0
6.3
KN 104/5
41

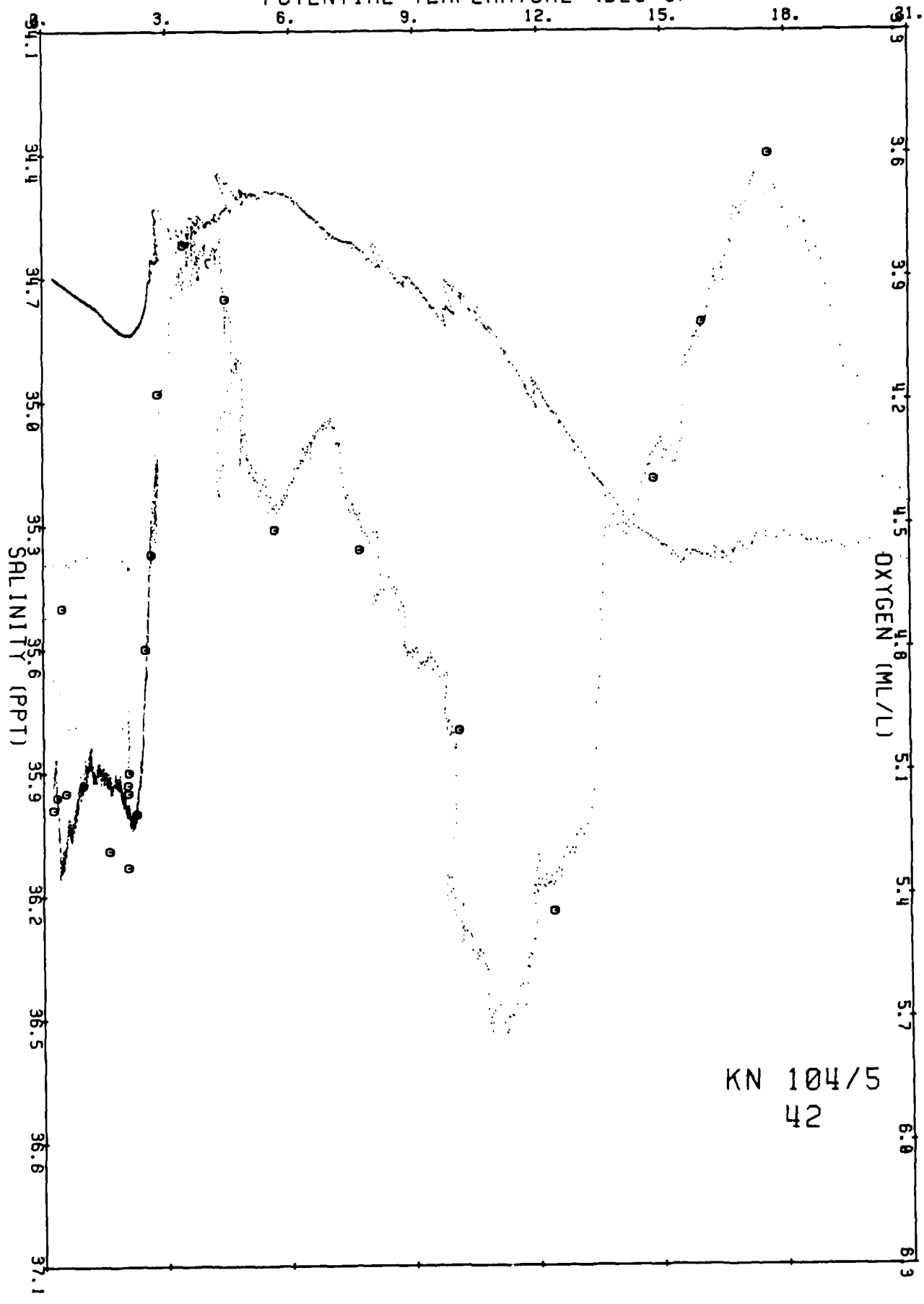

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
PT
SA
OX
KN 104/5
41
OXYGEN (ML/L)
2.
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8.

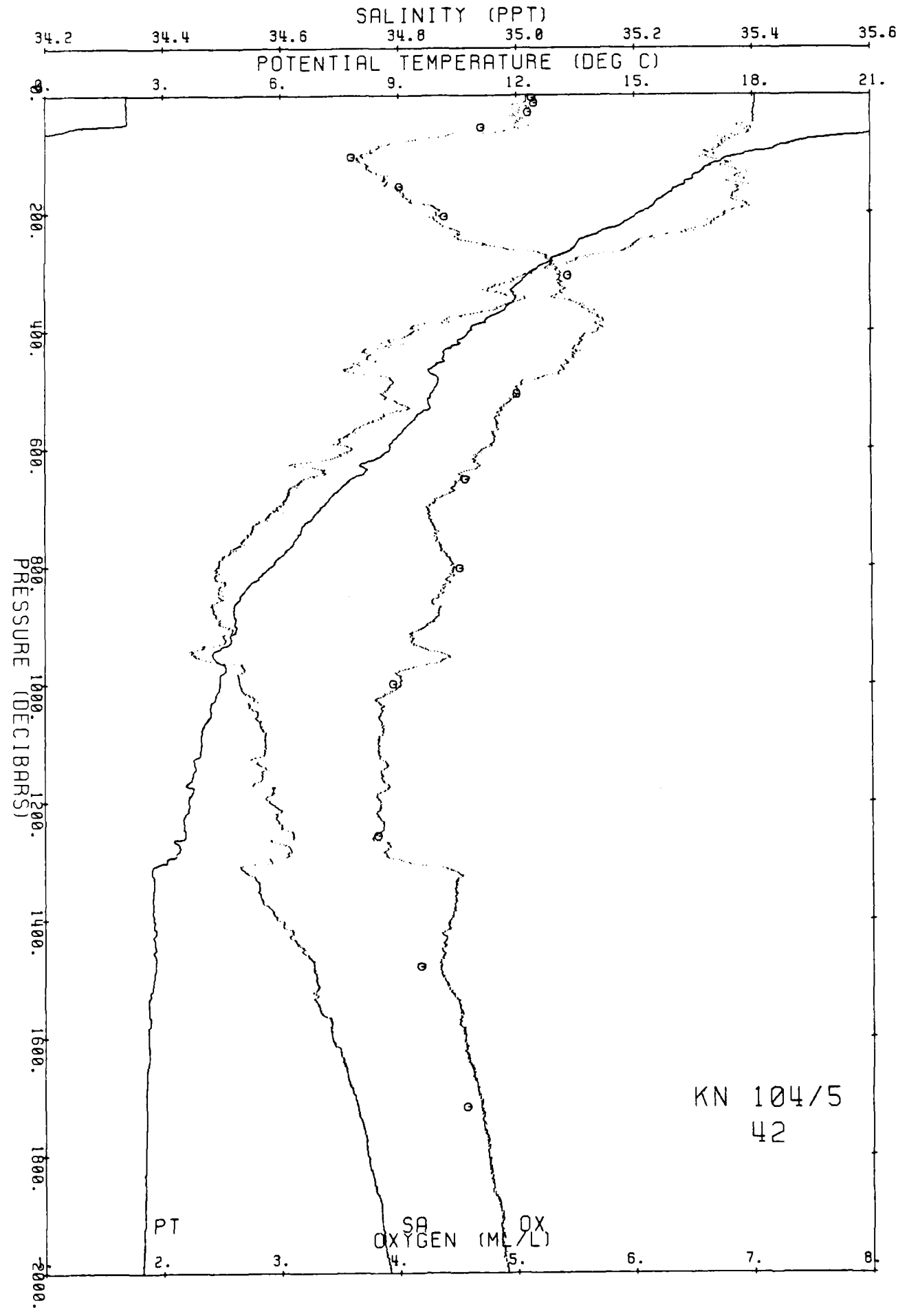
Ship KN Cruise 1045 Station 42 Cast 1 DT
Start 40 .57 S 21 .69 E at 304 83/11/28
End 40 5.41 S 21 3.78 E at 639

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	23.075	23.075	35.405	5.1	104.3	24.221	28.445	32.577	36.619	40.575	369.0	0.00	0.00	0.0
10	23.075	23.073	35.405	5.1	104.3	24.221	28.446	32.578	36.620	40.576	369.4	.04	43	10.0
20	23.081	23.077	35.404	5.1	104.6	24.219	28.444	32.575	36.618	40.574	370.0	.07	80	20.0
30	23.086	23.080	35.402	5.0	103.0	24.217	28.441	32.573	36.615	40.571	370.7	.11	.86	29.9
40	23.084	23.076	35.402	5.1	103.8	24.218	28.442	32.574	36.617	40.573	371.0	.15	61	39.9
50	22.939	22.929	35.383	5.0	102.1	24.246	28.473	32.607	36.651	40.609	368.7	.18	2.98	49.9
60	21.407	21.395	35.388	4.9	97.7	24.682	28.931	33.086	37.152	41.130	327.5	.22	11.72	59.9
70	20.396	20.383	35.377	4.4	85.8	24.949	29.213	33.383	37.462	41.454	302.5	.25	9.16	69.9
80	19.141	19.127	35.349	4.0	75.9	25.257	29.540	33.729	37.828	41.837	273.4	.28	9.85	79.8
90	18.560	18.544	35.343	3.8	72.1	25.400	29 693	33.892	37.999	42.017	260 1	.31	6.73	89.8
100	17.823	17.806	35.336	3.7	68.7	25.578	29.883	34.094	38.212	42.241	243.4	.33	7 50	99.8
120	16.939	16.919	35.347	3.7	68.6	25.801	30 121	34.346	38.478	42.521	222.9	.38	5.93	119.7
140	16.499	16.476	35 371	3.9	70.5	25.924	30 251	34.483	38.622	42.672	211.8	.42	4.40	139.6
160	16.022	15 997	35.376	4.0	72.1	26.039	30 374	34.614	38.762	42 819	201 5	46	4 27	159.5
180	15.627	15.599	35.369	4.1	73.1	26.124	30 466	34.713	38.867	42 931	194 0	50	3.68	179.4
200	15.159	15.128	35.355	4.3	76.4	26.218	30.570	34.825	38.987	43.058	185.5	.54	3.88	199.4
220	14.723	14.690	35.327	4.4	76.4	26.293	30.652	34.915	39.085	43.164	178 9	.58	3 46	219.3
240	13.877	13 842	35.238	4.5	77.1	26.405	30.781	35.060	39.245	43.338	168.6	.61	4.26	239.2
260	13.501	13.465	35.191	4.9	83.7	26.447	30.830	35.117	39.309	43.409	165 0	.65	2.62	259.1
280	12.924	12.886	35.101	5.3	89.2	26.495	30.890	35.188	39.391	43.502	160.8	.68	2.82	279.0
300	12.417	12.377	35.027	5.4	89.6	26.538	30.944	35.252	39.465	43.585	156 9	.71	2.69	298.9
320	12.110	12.068	34.973	5.4	88.8	26.556	30.968	35.282	39.502	43.628	155.6	.74	1.77	318.7
340	11.999	11.955	34.984	5.3	88.2	26.586	31.000	35.317	39.538	43.667	153.2	.77	2.20	338.6
360	11.775	11.729	34.967	5.6	91.4	26.616	31.035	35.356	39.581	43.714	150.8	.80	2.21	358.5
380	11.278	11.231	34.882	5.7	93.2	26.642	31.072	35.404	39.639	43.782	148.4	.83	2.19	378.4
400	10.849	10.800	34.826	5.7	92.1	26.677	31.116	35.457	39.701	43.852	145.3	.86	2.44	398.3
450	10.221	10.168	34.762	5.4	86.1	26.738	31.191	35.545	39.802	43 966	140.2	.93	2 05	448.0
500	9.957	9.899	34.780	5.0	79.1	26.798	31.257	35.616	39.879	44.047	135.4	1.00	1.98	497.7
550	9.476	9.413	34.766	4.8	75.4	26.868	31.337	35.707	39.980	44.158	129.3	1.07	2.18	547.3
600	8.846	8.781	34.721	4.7	72.8	26.935	31.419	35.802	40.089	44.280	123.3	1.13	2.17	597.0
650	7.891	7.825	34.639	4.5	68.1	27.017	31.523	35 928	40.235	44.447	115.2	1.19	2.45	646.6
700	7.075	7.007	34.593	4.2	62.7	27.097	31.623	36.047	40.373	44.602	107.2	1.25	2.42	696.2
750	6.506	6.436	34.544	4.3	63.0	27.136	31.675	36.113	40.452	44.694	103.4	1.30	1.75	745.8
800	5.817	5.747	34.494	4.5	63.9	27.185	31 741	36.196	40.551	44.808	98.3	1.35	1.97	795.4
900	4.914	4.841	34.502	4.2	59.4	27.299	31.878	36.355	40.731	45.009	87.1	1.44	2.04	894.6
1000	4.526	4.446	34.530	4.0	55.8	27.365	31.954	36.440	40.826	45.113	81.1	1.53	1.53	993.6
1100	4.054	3 969	34.572	3.8	52.5	27.449	32.050	36.548	40.945	45.243	73.1	1.60	1.74	1092.7
1200	3.744	3.654	34.579	3.8	52.4	27.487	32.096	36.602	41.007	45.312	69.6	1.67	1.21	1191.6
1300	3.196	3.102	34.583	4.0	54.3	27.543	32.167	36.687	41.106	45.424	63.5	1.74	1.52	1290.6
1400	2.848	2 750	34.592	4.4	59.1	27.582	32.215	36 745	41.172	45 499	59.4	1.80	1.27	1389.4
1500	2.863	2.757	34.658	4.4	58.5	27.634	32.267	36.796	41.222	45.549	55.3	1.86	1.26	1488.3
1600	2.728	2.615	34.686	4.6	60.7	27.669	32.305	36.838	41.268	45.598	52.2	1.91	1.12	1587.0
1700	2.691	2.570	34.725	4.7	62.3	27.704	32.341	36.875	41.306	45.636	49.5	1.96	1.07	1685.7
1800	2.677	2.548	34.745	4.8	63.2	27.722	32.360	36.893	41.325	45.656	48.4	2.01	.76	1784.4
1900	2.655	2.516	34.768	4.9	64.7	27.743	32.382	36.916	41.348	45.679	47.0	2.06	.83	1883.0
2000	2.618	2.472	34.783	4.9	65.3	27.759	32.399	36.934	41.367	45.699	46.0	2.11	.75	1981.6
2100	2.588	2.433	34.801	5.0	66.3	27.777	32.417	36.953	41.387	45.721	44.9	2.15	.78	2080.1
2200	2.561	2.397	34.809	5.1	67.3	27.786	32.427	36.965	41.399	45.733	44.5	2.20	.59	2178.6
2300	2.528	2.356	34.816	5.1	68.0	27.795	32.438	36.976	41.411	45.747	44.1	2.24	.60	2277.1
2400	2.480	2.299	34.822	5.1	68.2	27.805	32.449	36.988	41.425	45.762	43.5	2.29	.63	2375.5
2500	2.452	2.263	34.828	5.2	68.8	27.813	32.458	36.998	41.436	45 773	43.3	2.33	.56	2473.8
2600	2.426	2.227	34.831	5.2	68.7	27.818	32.464	37.005	41.444	45.782	43.2	2.37	.49	2572.1
2700	2.408	2.201	34.835	5.2	69.0	27.823	32.470	37.012	41.452	45.791	43.1	2.42	.47	2670.4
2800	2.375	2.158	34.837	5.2	69.0	27.829	32.476	37.020	41.460	45.800	43.0	2.46	.50	2768.6
2900	2.331	2.105	34.835	5.2	68.8	27.831	32.480	37.025	41.467	45.808	43.0	2.50	.46	2866.8
3000	2.297	2.062	34.836	5.2	68.6	27.836	32.486	37.032	41.475	45.817	42.9	2.54	.49	2964.9
3200	2.198	1.945	34.834	5.2	67.9	27.843	32.497	37.046	41.492	45.837	42.5	2.63	.52	3161.0
3400	2.012	1.743	34.819	5.1	67.1	27.847	32.506	37.061	41.513	45.863	41.6	2.71	.58	3356.9
3600	1.722	1.440	34.786	5.1	66.4	27.843	32.511	37.075	41.535	45.893	40.3	2.80	.63	3552.7
3800	1.475	1.178	34.764	5.1	65.8	27.844	32.520	37.091	41.558	45.923	38.7	2.88	.66	3748.3
4000	1.303	.989	34.751	5.1	65.5	27.846	32.528	37.104	41.576	45.947	37.4	2.95	.59	3943.7
4200	1.139	.808	34.740	5.2	66.2	27.849	32.536	37.117	41.595	45.970	36.0	3.02	.61	4138.9
4400	.992	.644	34.728	5.2	66.9	27.850	32.542	37.128	41.610	45.990	34.8	3.10	.56	4334.0
4600	.853	.487	34.715	5.3	67.2	27.849	32.545	37.136	41.623	46.007	33.8	3.16	.54	4528.9
4800	.775	.388	34.708	5.3	67.0	27.849	32.548	37.142	41.631	46.018	33.2	3.23	.45	4723.6
5000	.738	.330	34.703	5.1	65.0	27.848	32.550	37.145	41.636	46.024	33.2	3.30	.34	4918.2
5161	.668	.243	34.697	5.1	64.8	27.849	32.552	37.150	41.644	46.034	32.5	3.35	.49	5074.6

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	23.051	23.050	35.428	5.13	5.2	0.17	1.2	0.01	0.20	24.245	28.470	32.602	36.645	40.601	4.8
14	23.063	23.060	35.426	5.15	4.3	0.17	0.9	0.01		24.241	28.465	32.597	36.640	40.596	13.6
29	23.068	23.062	35.427	5.10	4.9	0.17	1.2	0.01		24.241	28.466	32.597	36.640	40.596	29.2
54	21.460	21.449	35.406	4.70	4.3	0.29	2.1	0.14		24.681	28.929	33.083	37.148	41.125	53.8
104	17.626	17.608	35.349	3.60	8.0	0.82	8.2	0.07		25.637	29.945	34.158	38.280	42.312	103.4
155	16.014	15.989	35.375	4.01	9.6	0.82	10.3	0.03		26.039	30.375	34.616	38.763	42.820	153.4
206	14.847	14.816	35.352	4.39	7.5	0.81	8.6	0.02		26.285	30 642	34.903	39.070	43.146	203.9
306	12.416	12.375	35.037	5.44	6.1	0.82	9.9	0.01		26.546	30.952	35.260	39.473	43.593	303.4
407	11.226	11.175	34.921							26.683	31.114	35.446	39.683	43.826	403.3
507	10.145	10.085	34.848	5.00	8.6	1.28	13.9			26.819	31 273	35.629	39.887	44.052	502.6
652	7.747	7.681	34.645	4.56	18.0	1.84	20.4			27.043	31 552	35.960	40.271	44 485	645.8
803	5.687	5.617	34.497	4.51	27.2	2.22	23.7			27.203	31.763	36.221	40.579	44.839	795.4
1000	4.510	4 430	34.539	3.95	47.4	2.56	30.4			27.374	31.963	36.450	40.836	45.123	989.6
1257	3.514	3.421	34.606	3.82	57.7	2.67	30.6			27.531	32 146	36.658	41.068	45.379	1243.4
1479	2.914	2.809	34.647	4.18	46.0	2.55	22.8			27.621	32.252	36 780	41.205	45 530	1461.8
1718	2.753	2.629	34.726	4.57	45.1	2.33	22.6			27.700	32 335	36.867	41.296	45.625	1697.8
2007	2.637	2.490	34.783	4.80	42.3	2.18	20.9			27.758	32.396	36.931	41.364	45 696	1981 4
2497	2.453	2.264	34.830	5.20	52.1		25.7			27.814	32 459	37.000	41.437	45 775	2463.3
2998	2.292	2.057	34.841	5 33	55.1	1.97	25.8			27 840	32 490	37.036	41 480	45 822	2954.3
3510	1.868	1.591	34.810	5.29	45.2	2.10	16.7			27.851	32 515	37.074	41.530	45.884	3454.3
4003	1.275	0.961	34.754	5.13	77.6	2.31	24.6			27 851	32 533	37.110	41 583	45.954	3935.3
4518	0.912	0.553	34.723	5.15	79.2	2.43	25.1			27.851	32 546	37 135	41 619	46.001	4436 4
5003	0.740	0.331	34.707	5.16	104.3	2.51	31.9			27 852	32 553	37.148	41.639	46 027	4907 6
5166	0.670	0.244	34.701	5 19	100.2	2.51	31.2			27 852	32 555	37.153	41.647	46 037	5065 5


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
PT
SA
OXYGEN (ML/L)
OX
2.
3.
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KN 104/5
42

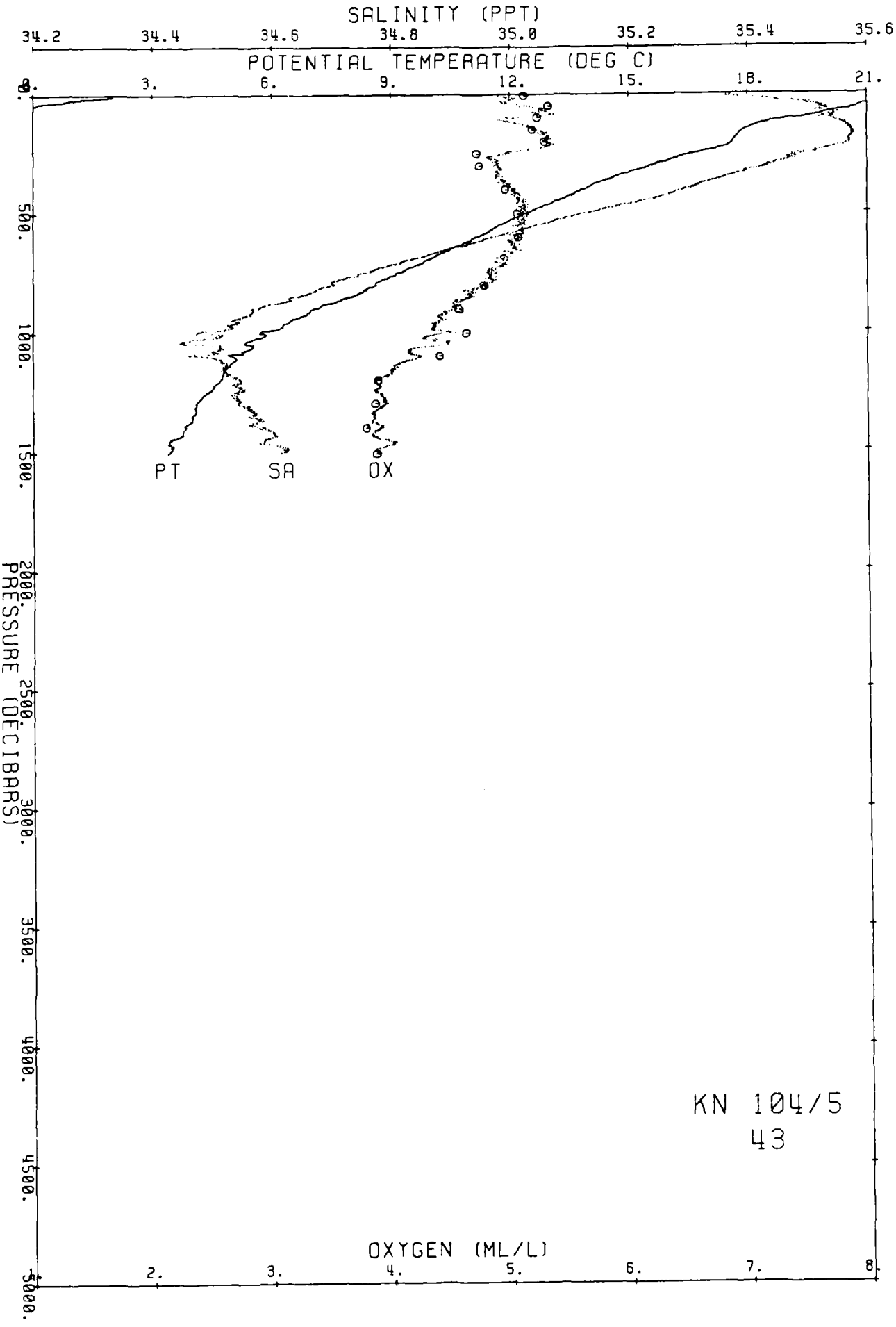

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.6
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4.5
4.8
5.1
5.4
5.7
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6.3
KN 104/5
42

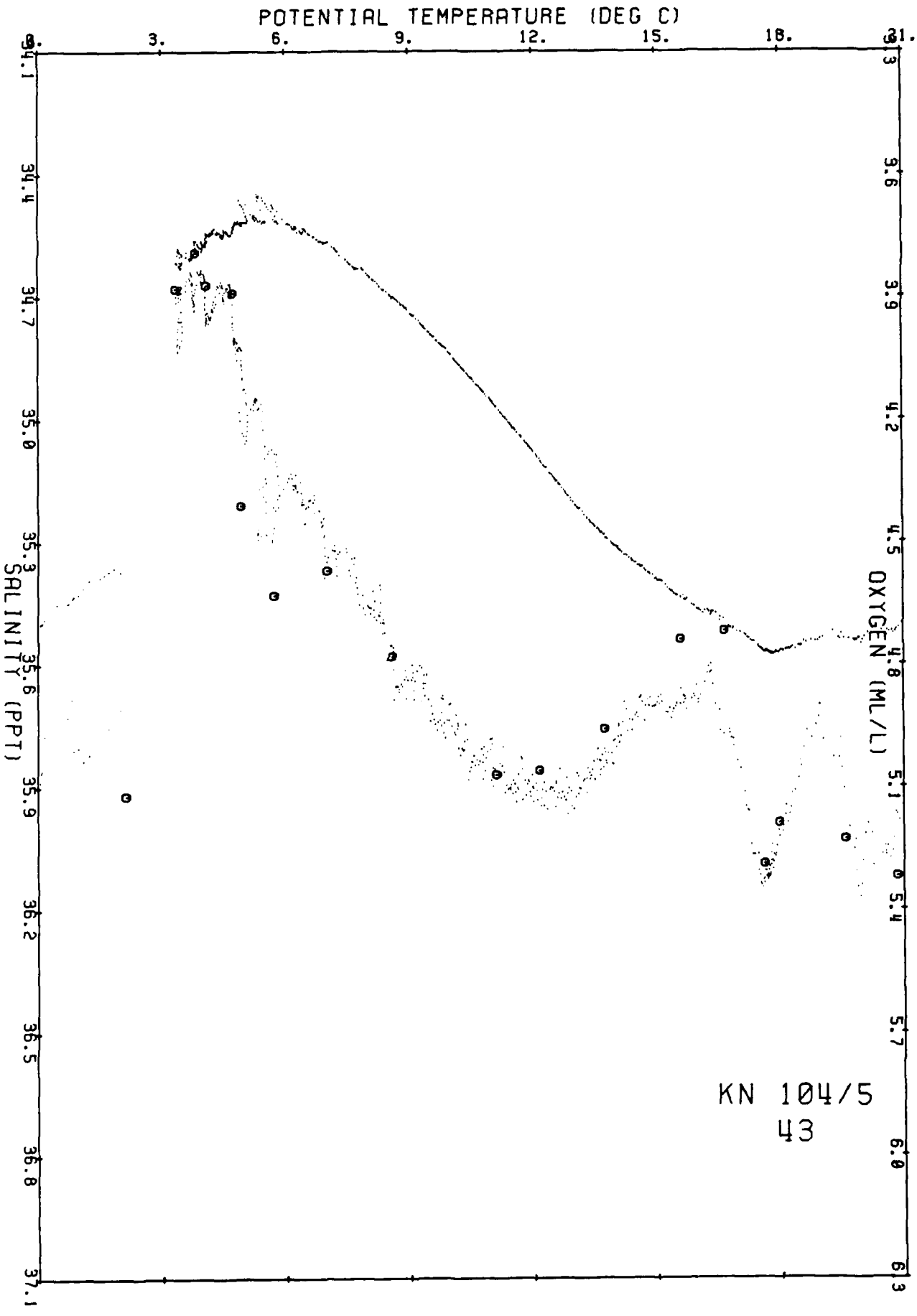

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PT
SA
OX
OXYGEN (ML/L)
2.
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KN 104/5
42

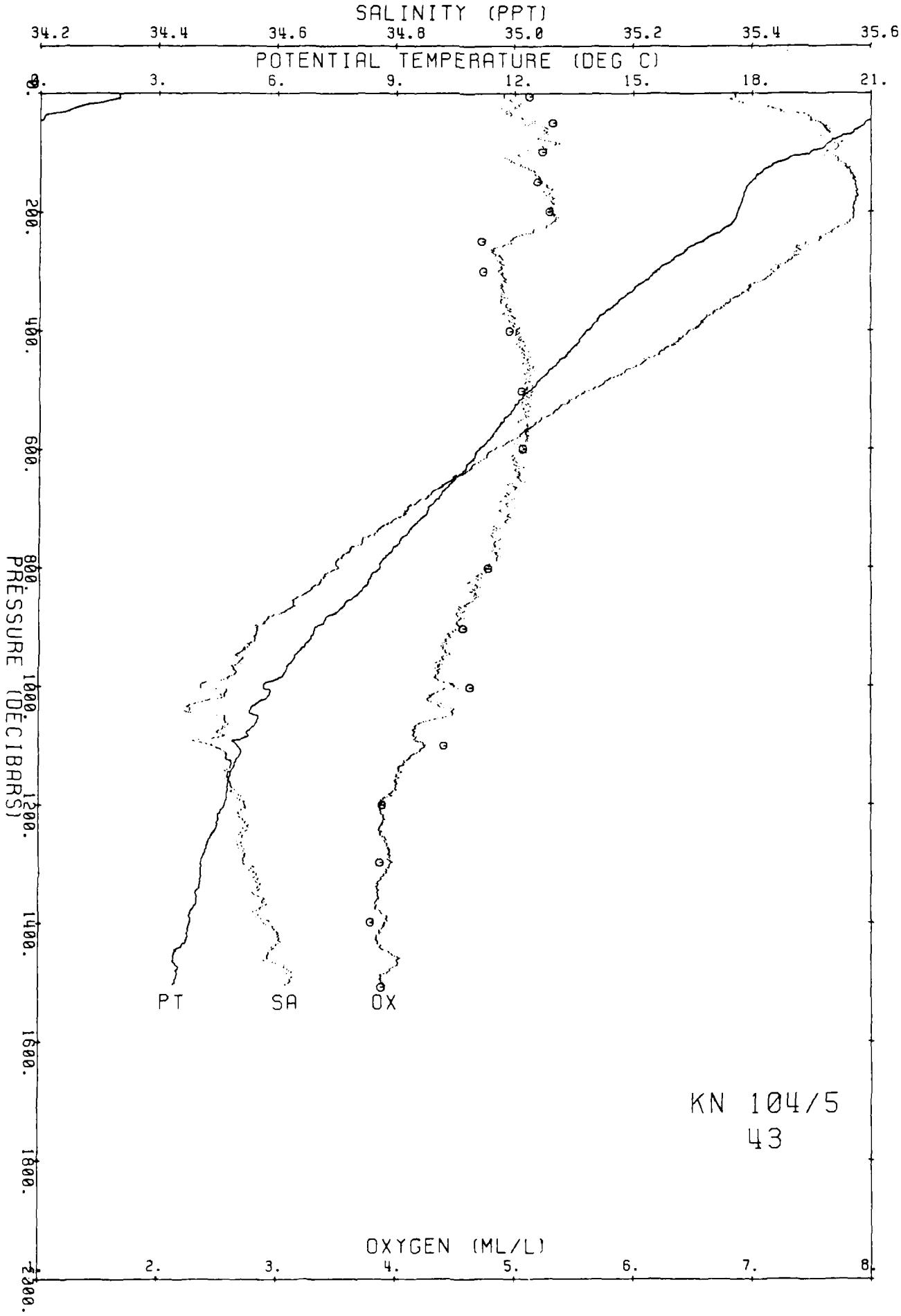
Ship KN Cruise 1045 Station 43 Cast 1 DT
Start 39 20.40 S 20 59.64 E at 1328 83/11/28
End 39 22.72 S 20 59.03 E at 1505

PR	TE	PT	SA	QX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	22.996	22.996	35.371	4.9	100.5	24.218	28.443	32.577	36.620	40.577	369.3	0.00	0.00	0.0
10	22.849	22.847	35.362	5.0	101.3	24.254	28.482	32.617	36.663	40.622	366.3	.04	3.37	10.0
20	22.103	22.100	35.410	5.0	101.5	24.503	28.741	32.886	36.942	40.910	343.0	.07	8.85	20.0
30	21.722	21.717	35.449	4.9	98.7	24.640	28.883	33.034	37.094	41.068	330.3	.11	6.56	29.9
40	21.104	21.096	35.499	5.1	100.2	24.849	29.101	33.260	37.329	41.310	310.8	.14	8.11	39.9
50	20.861	20.851	35.516	5.2	102.0	24.929	29.184	33.347	37.419	41.404	303.6	.17	5.00	49.9
60	20.678	20.667	35.524	5.3	103.8	24.985	29.243	33.408	37.483	41.470	298.7	.20	4.20	59.9
70	20.489	20.476	35.520	5.3	103.2	25.033	29.294	33.463	37.540	41.530	294.5	.23	3.90	69.8
80	20.028	20.013	35.544	5.3	102.7	25.175	29.443	33.618	37.702	41.698	281.4	.26	6.68	79.8
90	19.848	19.832	35.546	5.2	101.3	25.224	29.495	33.673	37.759	41.758	277.0	.29	3.94	89.8
100	19.478	19.460	35.542	5.0	95.9	25.318	29.595	33.778	37.870	41.874	268.4	.31	5.45	99.7
120	18.535	18.514	35.557	5.1	95.5	25.572	29.864	34.061	38.167	42.185	245.0	.36	6.32	119.7
140	18.110	18.086	35.570	5.2	97.5	25.689	29.987	34.192	38.305	42.328	234.5	.41	4.30	139.6
160	17.871	17.844	35.576	5.3	98.7	25.753	30.056	34.264	38.380	42.408	229.1	.46	3.19	159.5
180	17.778	17.748	35.574	5.3	98.7	25.775	30.080	34.289	38.407	42.436	227.7	.50	1.87	179.4
200	17.671	17.637	35.572	5.3	98.3	25.800	30.107	34.318	38.438	42.468	226.0	.55	2.01	199.4
220	17.526	17.489	35.560	5.3	98.4	25.828	30.136	34.350	38.472	42.505	224.1	.59	2.08	219.3
240	17.004	16.965	35.521	5.0	92.5	25.924	30.242	34.465	38.595	42.636	215.5	.64	3.92	239.2
260	16.433	16.391	35.474	4.9	88.0	26.023	30.351	34.584	38.724	42.774	206.6	.68	3.99	259.1
280	16.082	16.037	35.467	4.9	88.2	26.099	30.434	34.673	38.818	42.874	199.8	.72	3.50	279.0
300	15.647	15.600	35.436	4.9	86.8	26.175	30.517	34.764	38.917	42.980	193.1	.76	3.50	298.9
320	15.277	15.228	35.406	4.9	87.2	26.235	30.585	34.838	38.998	43.067	187.9	.80	3.13	318.8
340	14.877	14.825	35.379	4.9	86.2	26.303	30.660	34.921	39.088	43.164	181.8	.84	3.32	338.7
360	14.533	14.479	35.352	4.9	86.0	26.358	30.721	34.988	39.161	43.243	177.1	.87	2.98	358.6
380	14.152	14.096	35.320	5.0	86.5	26.415	30.785	35.059	39.239	43.328	172.1	.91	3.06	378.5
400	13.890	13.832	35.295	5.0	86.4	26.451	30.827	35.106	39.291	43.384	169.0	.94	2.45	398.4
450	13.189	13.126	35.220	5.1	86.6	26.539	30.928	35.221	39.419	43.525	161.7	1.02	2.42	448.1
500	12.478	12.411	35.132	5.1	85.3	26.613	31.017	35.324	39.536	43.655	155.4	1.10	2.25	497.8
550	11.807	11.735	35.044	5.1	83.3	26.674	31.093	35.413	39.638	43.770	150.3	1.18	2.08	547.4
600	11.197	11.121	34.968	5.1	82.5	26.729	31.161	35.494	39.731	43.875	145.7	1.25	1.98	597.1
650	10.600	10.520	34.898	5.0	80.8	26.782	31.227	35.573	39.822	43.978	141.1	1.32	1.96	646.7
700	9.919	9.837	34.821	5.0	78.4	26.840	31.300	35.661	39.924	44.094	135.8	1.39	2.06	696.4
750	9.235	9.151	34.746	4.8	75.3	26.895	31.371	35.746	40.025	44.208	130.7	1.46	2.03	746.0
800	8.709	8.621	34.704	4.8	73.2	26.947	31.434	35.821	40.111	44.306	126.0	1.52	1.95	795.6
900	7.102	7.013	34.567	4.5	67.3	27.076	31.601	36.026	40.351	44.580	112.6	1.64	2.25	894.8
1000	5.784	5.695	34.474	4.5	64.5	27.175	31.733	36.189	40.546	44.804	101.8	1.75	2.02	993.9
1100	5.127	5.034	34.491	4.3	60.0	27.268	31.842	36.314	40.686	44.960	92.8	1.85	1.85	1092.9
1200	4.795	4.696	34.547	3.9	54.2	27.351	31.933	36.413	40.793	45.074	85.3	1.94	1.70	1191.9
1300	4.206	4.103	34.546	4.0	54.6	27.415	32.012	36.507	40.901	45.196	78.7	2.02	1.60	1290.9
1400	3.922	3.812	34.580	3.9	53.5	27.472	32.077	36.579	40.979	45.281	73.4	2.10	1.44	1389.7
1500	3.560	3.446	34.622	3.9	52.9	27.541	32.156	36.667	41.076	45.386	66.5	2.17	1.61	1488.6
1505	3.498	3.384	34.616	3.9	53.1	27.543	32.159	36.671	41.082	45.394	66.2	2.17	1.52	1493.5

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	23.126	23.125	35.391	5.12	4.6	0.20	0.8	0.01	1.73	24.196	28.419	32.551	36.593	40.548	4.9
14	22.874	22.871	35.372		4.7	0.21	1.0	0.01	0.20	24.254	28.482	32.617	36.662	40.621	13.5
25	21.739	21.734	35.455		5.2	0.18	1.1	0.01		24.639	28.883	33.033	37.093	41.066	25.2
50	20.850	20.840	35.525	5.32	3.9	0.17	0.9	0.01		24.938	29.194	33.357	37.429	41.414	49.8
99	19.594	19.576	35.557	5.23	5.0	0.20	1.7	0.13		25.299	29.574	33.756	37.846	41.848	97.8
149	18.004	17.978	35.577	5.19	5.5	0.29	3.2	0.01		25.721	30.021	34.227	38.342	42.367	148.0
199	17.654	17.620	35.576	5.29	5.0	0.29	3.2			25.808	30.114	34.326	38.446	42.477	197.7
250	16.689	16.648	35.504	4.72	5.5	0.49	5.7			25.986	30.309	34.537	38.673	42.719	247.7
301	15.634	15.587	35.441	4.74	6.6	0.59	8.1			26.182	30.524	34.771	38.925	42.988	298.1
351	14.581	14.528	35.358							26.352	30.714	34.980	39.152	43.233	347.9
402	13.788	13.730	35.288	4.96	5.5	0.74	8.4			26.467	30.845	35.126	39.312	43.407	398.1
452	12.957	12.894	35.190		6.7	0.84	11.6			26.562	30.956	35.254	39.456	43.566	448.0
502	12.219	12.152	35.098	5.06	7.1	0.93	9.4			26.637	31.046	35.358	39.575	43.699	497.3
552	11.759	11.687	35.041		7.3	1.02	14.3			26.681	31.100	35.422	39.648	43.781	546.8
600	11.184	11.108	34.964	5.07	9.0	1.09	14.4			26.728	31.160	35.494	39.731	43.875	594.0
701	9.887	9.804	34.820		9.2	1.33	13.7			26.845	31.306	35.667	39.931	44.101	694.2
802	8.666	8.578	34.697	4.78	13.5	1.60	20.6			26.948	31.436	35.825	40.115	44.311	794.0
904	7.096	7.007	34.571	4.57	22.4	1.95	27.0			27.080	31.606	36.030	40.356	44.585	894.6
1002	5.816	5.726	34.473	4.63	27.9	2.18	28.9			27.171	31.728	36.183	40.539	44.797	992.2
1101	5.024	4.931	34.480	4.41	34.5	2.32	32.7			27.271	31.848	36.323	40.697	44.973	1089.4
1201	4.834	4.734	34.541	3.89	43.1	2.53	29.3			27.342	31.924	36.403	40.781	45.061	1187.8
1298	4.196	4.093	34.551	3.87	52.9	2.65	33.4			27.420	32.018	36.513	40.907	45.201	1284.0
1398	3.931	3.822	34.584	3.79	53.4	2.66	33.0			27.474	32.079	36.580	40.981	45.282	1382.9
1508	3.460	3.346	34.608	3.88	53.9	2.66	31.3			27.540	32.157	36.671	41.083	45.395	1491.3


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
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3.
6.
9.
12.
15.
18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
OXYGEN (ML/L)
2.
3.
4.
5.
6.
7.
8.
KN 104/5
43


POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
5.4
5.7
6.0
6.3
KN 104/5
43


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
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200.
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600.
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1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
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KN 104/5
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OXYGEN (ML/L)
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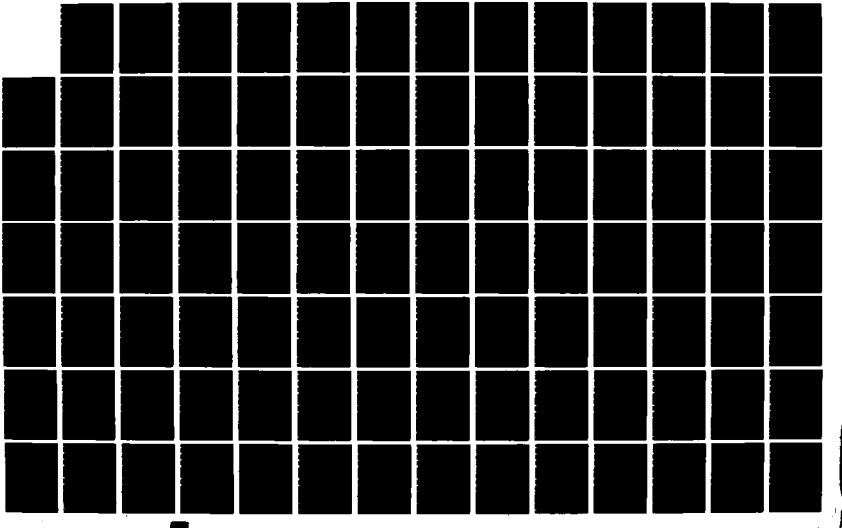
Ship KN Cruise 1045 Station 44 Cast 1 DT
Start 38 39.92 S 21 1.26 E at 2145 83/11/28
End 38 43.45 S 21 .94 E at 2341

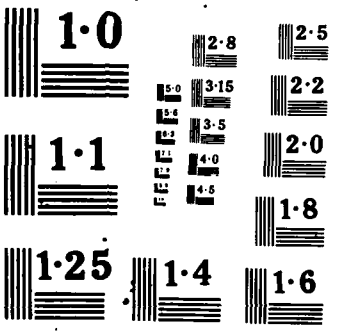
PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	19.757	19.757	35.491	5.5	106.2	25.202	29.474	33.653	37.741	41.741	275.6	0.00	0.00	0.0
10	19.731	19.729	35.493	5.5	105.5	25.210	29.484	33.663	37.751	41.752	275.1	.03	1.65	10.0
20	19.418	19.415	35.482	5.6	108.2	25.284	29.562	33.746	37.839	41.844	268.5	.05	4.81	19.9
30	19.142	19.137	35.476	5.7	108.7	25.351	29.634	33.822	37.920	41.928	262.5	.08	4.60	29.9
40	18.504	18.497	35.465	5.8	109.3	25.505	29.798	33.997	38.104	42.122	248.2	.11	6.96	39.9
50	18.434	18.425	35.473	5.7	107.4	25.530	29.824	34.023	38.131	42.150	246.3	.13	2.76	49.9
60	18.197	18.187	35.466	5.6	105.6	25.584	29.882	34.085	38.197	42.220	241.5	.16	4.13	59.8
70	17.629	17.617	35.423	5.6	104.6	25.691	29.999	34.212	38.332	42.364	231.6	.18	5.82	69.8
80	16.473	16.461	35.382	5.4	97.1	25.936	30.263	34.496	38.635	42.685	208.6	.20	8.78	79.7
90	15.682	15.668	35.366	5.4	96.3	26.106	30.447	34.693	38.846	42.908	192.7	.22	7.33	89.7
100	14.957	14.942	35.346	5.4	94.7	26.252	30.607	34.866	39.031	43.105	179.0	.24	6.80	99.7
120	14.073	14.056	35.269	5.4	92.6	26.384	30.756	35.031	39.212	43.301	166.9	.27	4.58	119.6
140	13.411	13.391	35.173	5.4	92.2	26.448	30.833	35.121	39.314	43.416	161.3	.31	3.21	139.5
160	13.087	13.065	35.158	5.4	90.9	26.503	30.894	35.188	39.388	43.495	156.6	.34	2.95	159.4
180	12.727	12.703	35.118	5.4	90.0	26.544	30.943	35.244	39.451	43.565	153.1	.37	2.59	179.3
200	12.199	12.173	35.034	5.5	90.6	26.583	30.993	35.305	39.521	43.645	149.8	.40	2.52	199.2
220	11.898	11.869	34.993	5.4	89.6	26.609	31.025	35.344	39.566	43.696	147.8	.43	2.08	219.1
240	11.424	11.394	34.921	5.4	88.1	26.642	31.069	35.397	39.629	43.768	144.9	.46	2.36	239.0
260	11.007	10.975	34.853	5.5	89.0	26.666	31.101	35.438	39.679	43.827	143.0	.49	2.01	258.9
280	10.500	10.467	34.777	5.7	90.5	26.697	31.144	35.492	39.743	43.901	140.2	.52	2.32	278.8
300	10.185	10.150	34.736	5.6	89.2	26.721	31.174	35.529	39.787	43.951	138.3	.54	1.99	298.7
320	9.803	9.766	34.685	5.6	88.1	26.746	31.208	35.571	39.837	44.009	136.1	.57	2.10	318.6
340	10.504	10.464	34.885	5.2	82.7	26.782	31.228	35.575	39.826	43.983	133.6	.60	2.19	338.5
360	10.269	10.227	34.873	4.8	76.7	26.814	31.265	35.617	39.873	44.034	130.9	.63	2.30	358.3
380	9.772	9.728	34.803	4.8	76.1	26.845	31.307	35.670	39.936	44.108	128.1	.65	2.33	378.2
400	9.607	9.561	34.786	4.8	75.5	26.859	31.325	35.692	39.961	44.136	127.0	.68	1.59	398.1
450	8.868	8.820	34.705	4.7	73.1	26.916	31.399	35.782	40.068	44.258	122.0	.74	2.01	447.8
500	8.214	8.162	34.675	4.5	68.4	26.995	31.493	35.890	40.190	44.394	114.9	.80	2.31	497.5
550	7.625	7.570	34.629	4.4	66.5	27.046	31.558	35.969	40.282	44.499	110.3	.85	1.92	547.1
600	6.996	6.939	34.573	4.4	64.2	27.091	31.618	36.044	40.372	44.602	106.1	.91	1.84	596.8
650	5.964	5.907	34.442	4.8	69.3	27.124	31.677	36.128	40.480	44.734	102.2	.96	1.75	646.4
700	6.006	5.944	34.514	4.4	63.4	27.176	31.727	36.177	40.528	44.780	98.1	1.01	1.79	696.0
750	5.740	5.675	34.519	4.2	60.7	27.213	31.772	36.228	40.584	44.843	94.8	1.06	1.63	745.6
800	5.110	5.044	34.513	4.2	59.8	27.284	31.858	36.330	40.701	44.974	87.7	1.10	2.28	795.2
900	4.461	4.390	34.523	4.0	55.3	27.366	31.956	36.444	40.831	45.119	79.8	1.19	1.73	894.3
1000	4.018	3.942	34.585	3.8	52.8	27.462	32.064	36.563	40.960	45.258	70.8	1.26	1.83	993.4
1100	3.591	3.510	34.627	3.7	50.5	27.539	32.152	36.661	41.069	45.377	63.4	1.33	1.66	1092.4
1200	3.192	3.107	34.646	3.9	52.9	27.593	32.216	36.736	41.154	45.472	58.1	1.39	1.43	1191.4
1300	3.082	2.989	34.676	4.0	53.2	27.628	32.254	36.776	41.197	45.518	55.3	1.45	1.09	1290.3
1400	2.901	2.803	34.703	4.2	56.1	27.666	32.297	36.824	41.250	45.575	51.8	1.50	1.18	1389.1
1500	2.800	2.694	34.722	4.4	58.3	27.691	32.325	36.855	41.283	45.610	49.8	1.55	.95	1487.9
1501	2.799	2.693	34.723	4.4	58.3	27.692	32.326	36.856	41.283	45.611	49.7	1.55	.99	1488.9

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	19.851	19.850	35.485	5.48	3.4	0.20	0.8	0.01	0.20	25.173	29.444	33.621	37.708	41.707	4.8
12	19.627	19.625	35.482		2.8	0.21	0.8	0.01		25.229	29.504	33.685	37.775	41.777	12.0
27	18.730	18.725	35.475		2.7	0.21	0.8	0.02		25.455	29.745	33.939	38.043	42.058	26.8
52	18.327	18.318	35.495	5.74	4.5	0.19	1.1	0.01		25.573	29.869	34.070	38.180	42.200	51.5
102	15.148	15.132	35.368	5.22	5.9	0.54	6.6	0.13		26.227	30.579	34.834	38.995	43.066	101.2
152	13.520	13.499	35.191	5.44	5.3	0.66	7.8	0.03		26.440	30.823	35.109	39.300	43.400	150.8
202	12.478	12.451	35.079	5.39	7.3		10.0	0.01		26.564	30.968	35.274	39.485	43.604	200.4
252	11.306	11.274	34.903	5.45	6.3	1.00	13.4			26.650	31.079	35.410	39.645	43.786	249.9
302	10.404	10.368	34.789	5.49	6.9	1.12	14.7			26.724	31.173	35.523	39.776	43.935	299.7
353	10.451	10.409	34.882	4.94	10.5	1.27	14.9			26.790	31.237	35.585	39.837	43.995	350.1
404	9.641	9.595	34.790	4.91	9.0	1.41	15.7			26.857	31.322	35.688	39.957	44.131	400.0
454	8.887	8.838	34.705	4.81	12.4	1.56	22.2			26.913	31.396	35.779	40.064	44.254	449.7
504	8.198	8.146	34.673	4.62	18.0	1.78	22.7			26.996	31.494	35.892	40.192	44.396	499.8
554	7.635	7.580	34.630	4.53	16.3	1.90	16.7			27.045	31.557	35.968	40.281	44.497	548.9
604	6.984	6.926	34.573	4.51	16.2	2.03	14.7			27.093	31.620	36.047	40.374	44.605	598.0
653	5.867	5.810	34.431		20.3	2.12	23.7			27.127	31.683	36.136	40.490	44.747	646.5
813	5.080	5.013	34.509	4.26	36.9	2.41	29.1			27.285	31.859	36.332	40.704	44.978	804.9
914	4.347	4.276	34.515		37.4	2.61	23.8			27.371	31.965	36.456	40.846	45.136	905.3
1013	3.912	3.836	34.564	3.96	33.5	2.67	18.5			27.456	32.061	36.563	40.963	45.264	1002.9
1100	3.598	3.517	34.626		56.3	2.74	29.7			27.538	32.150	36.659	41.067	45.375	1088.8
1177	3.295	3.210	34.644	3.84	49.4	2.69	23.4			27.581	32.202	36.719	41.134	45.450	1164.3
1271	3.079	2.989	34.666		64.8	2.66	31.8			27.620	32.246	36.769	41.189	45.510	1257.1
1399	2.900	2.801	34.701	4.13	34.6	2.58	15.0			27.665	32.296	36.823	41.248	45.573	1383.5
1505	2.799	2.693	34.721	4.30	56.1	2.48	25.3			27.690	32.324	36.854	41.282	45.610	1488.0

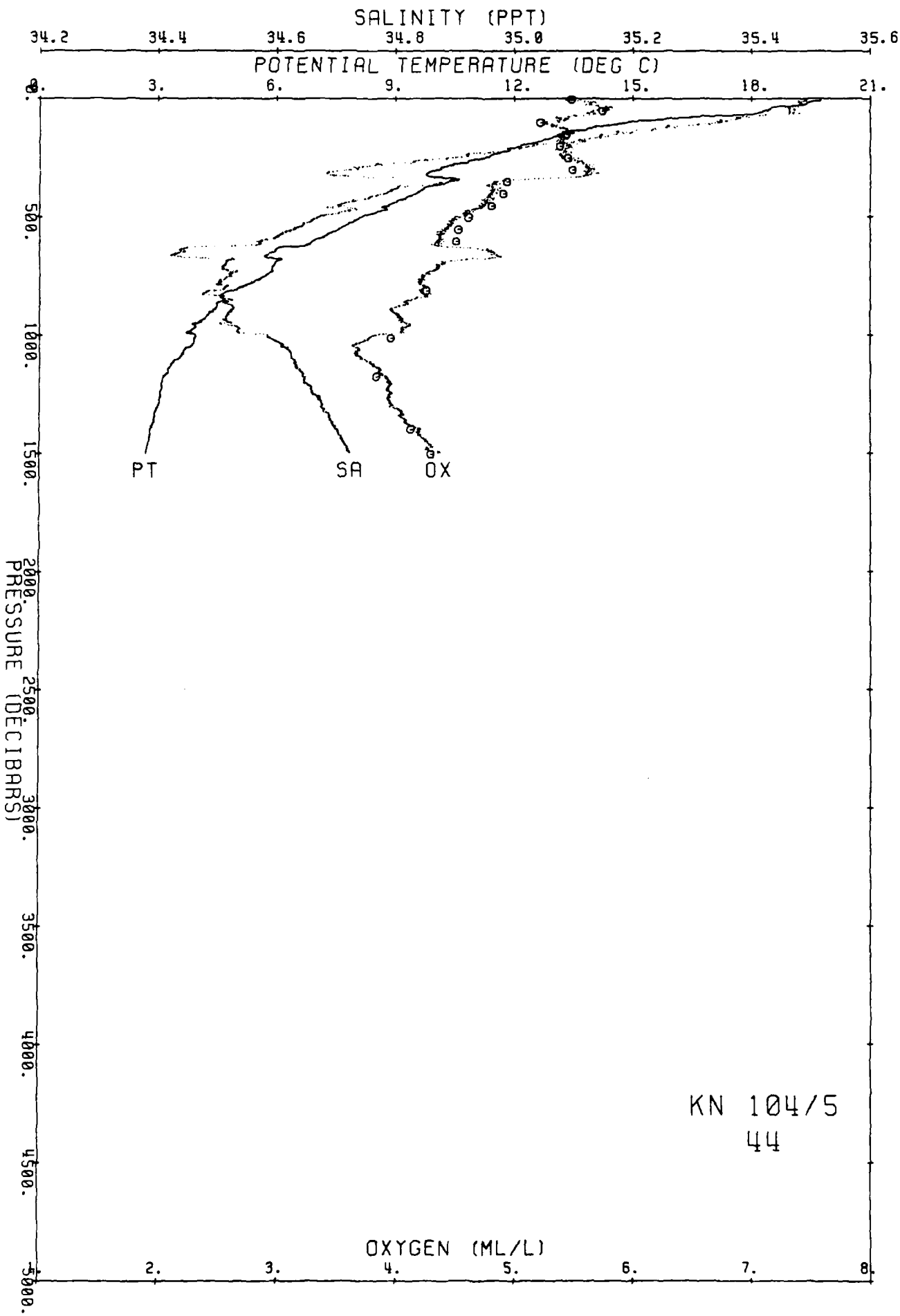
AD-A168 163 AGULHAS RETROFLECTION CRUISE NOVEMBER-DECEMBER 1983 HYDROGRAPHIC (CTD) DATA(U) LAMONT-DOHERTY GEOLOGICAL OBSERVATORY PALISADES NY D B CAMP ET AL. FEB 86 3/5

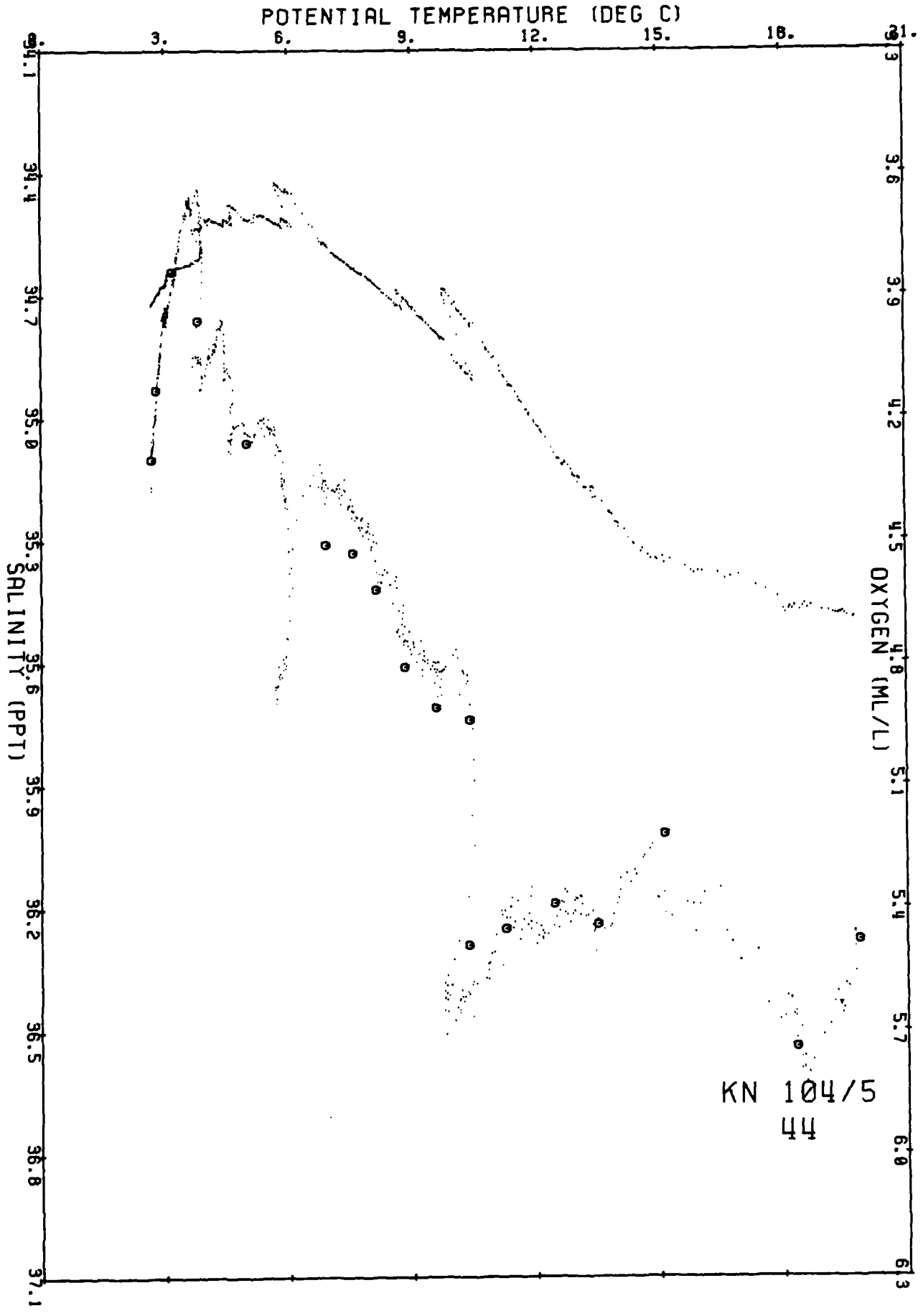
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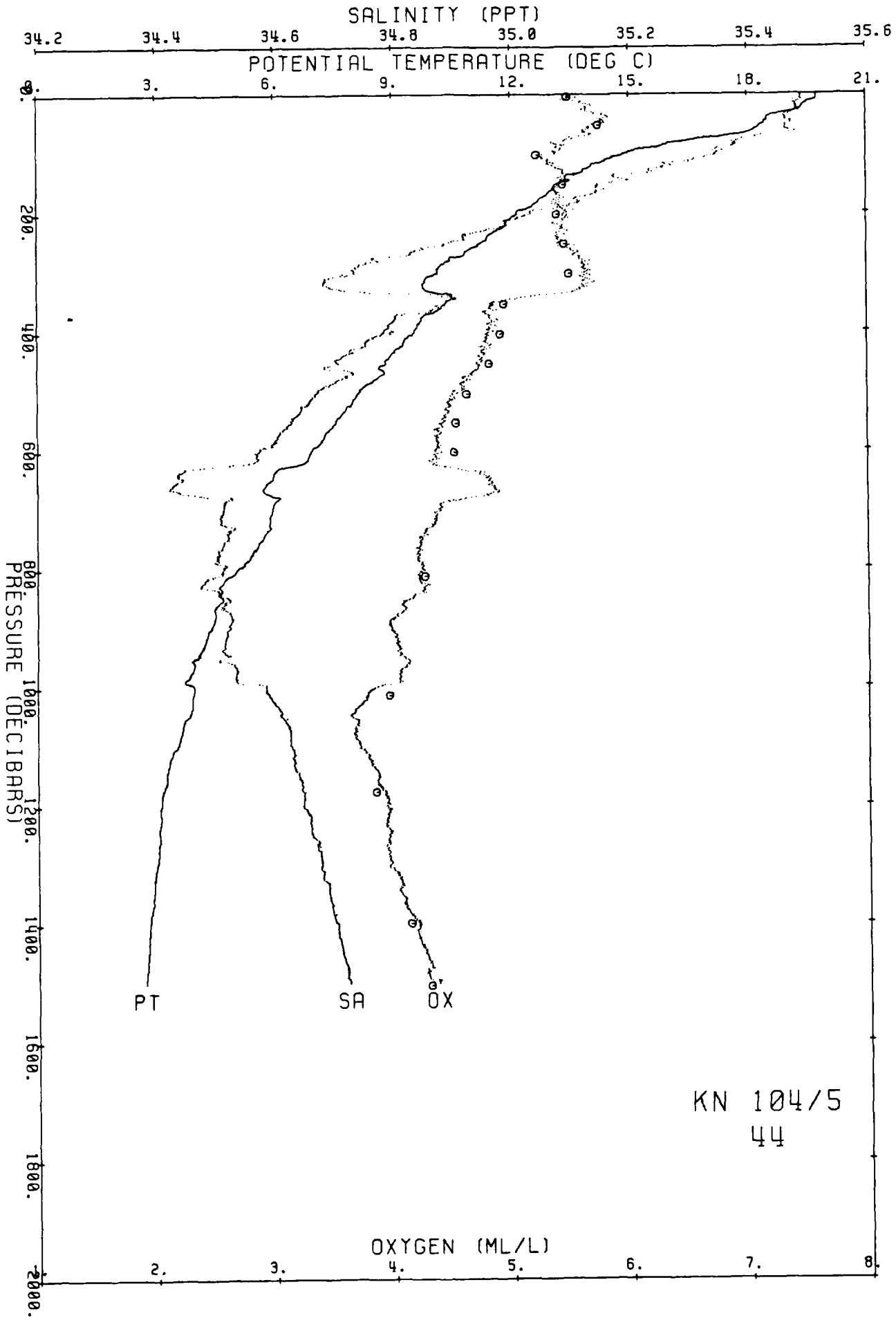




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SALINITY (PPT)
34.2
34.4
34.6
34.8
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POTENTIAL TEMPERATURE (DEG C)
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PT
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OX
PRESSURE (DECIBARS)
500.
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OXYGEN (ML/L)
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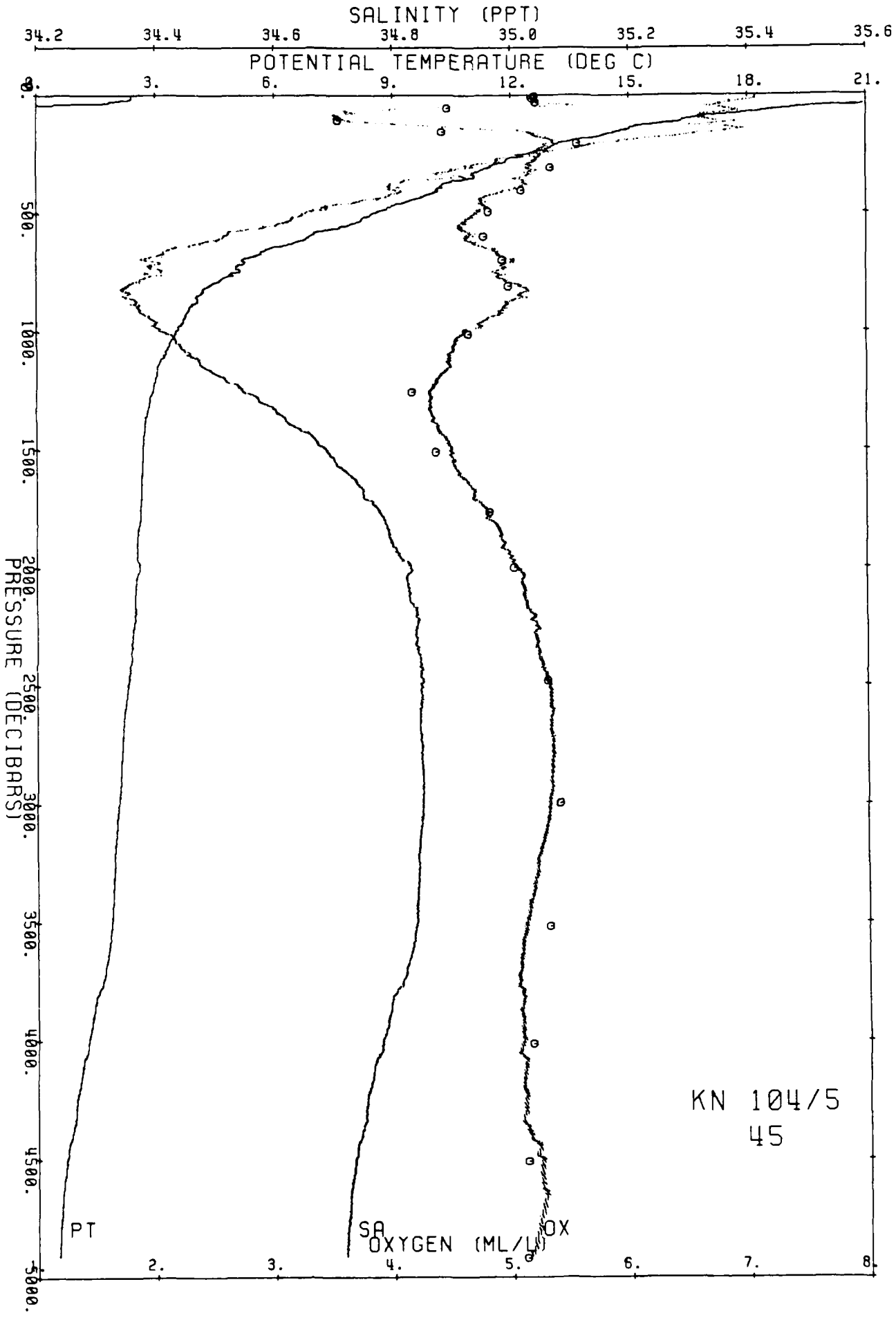

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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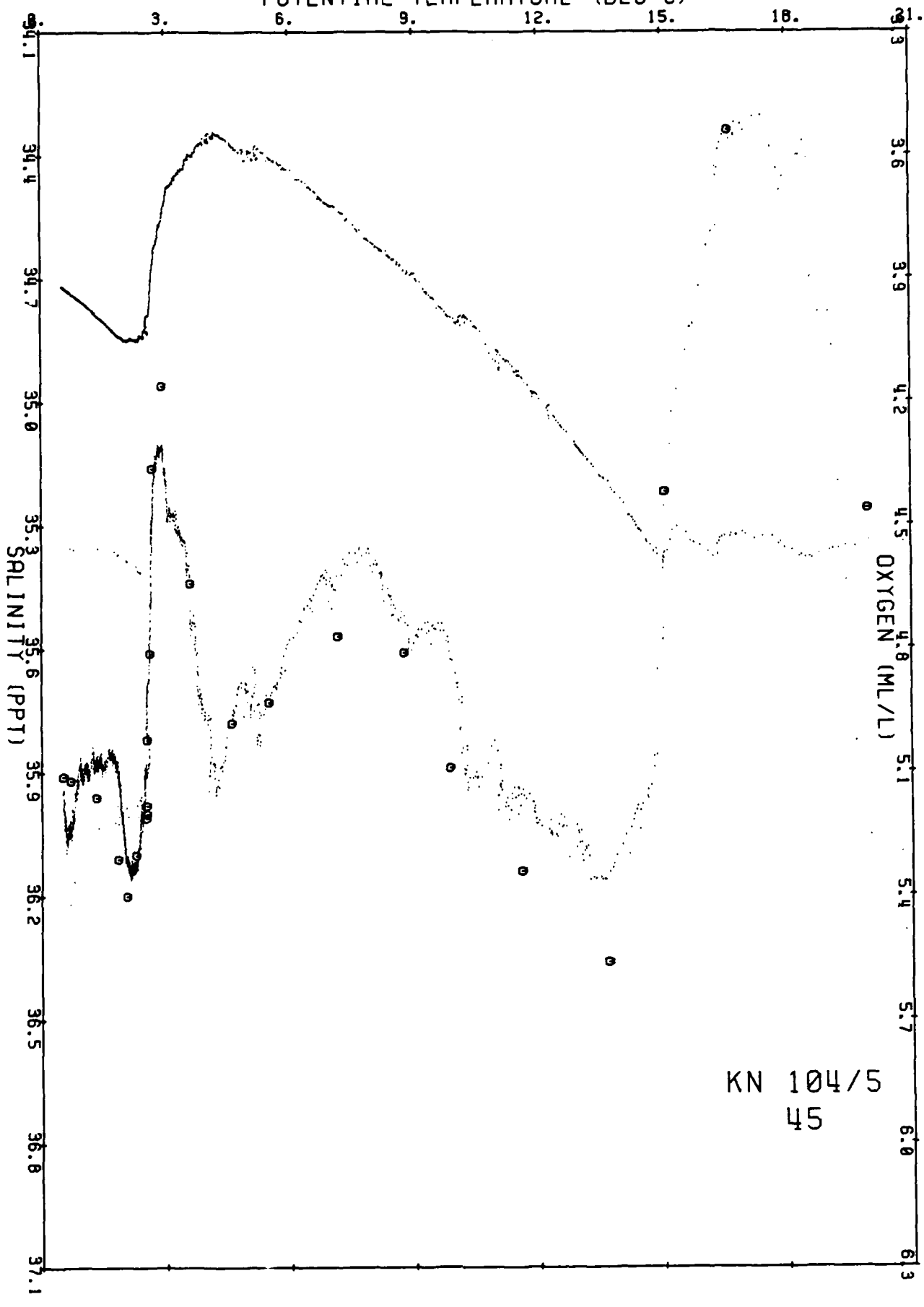

SALINITY (PPT)
34.2
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POTENTIAL TEMPERATURE (DEG C)
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OXYGEN (ML/L)
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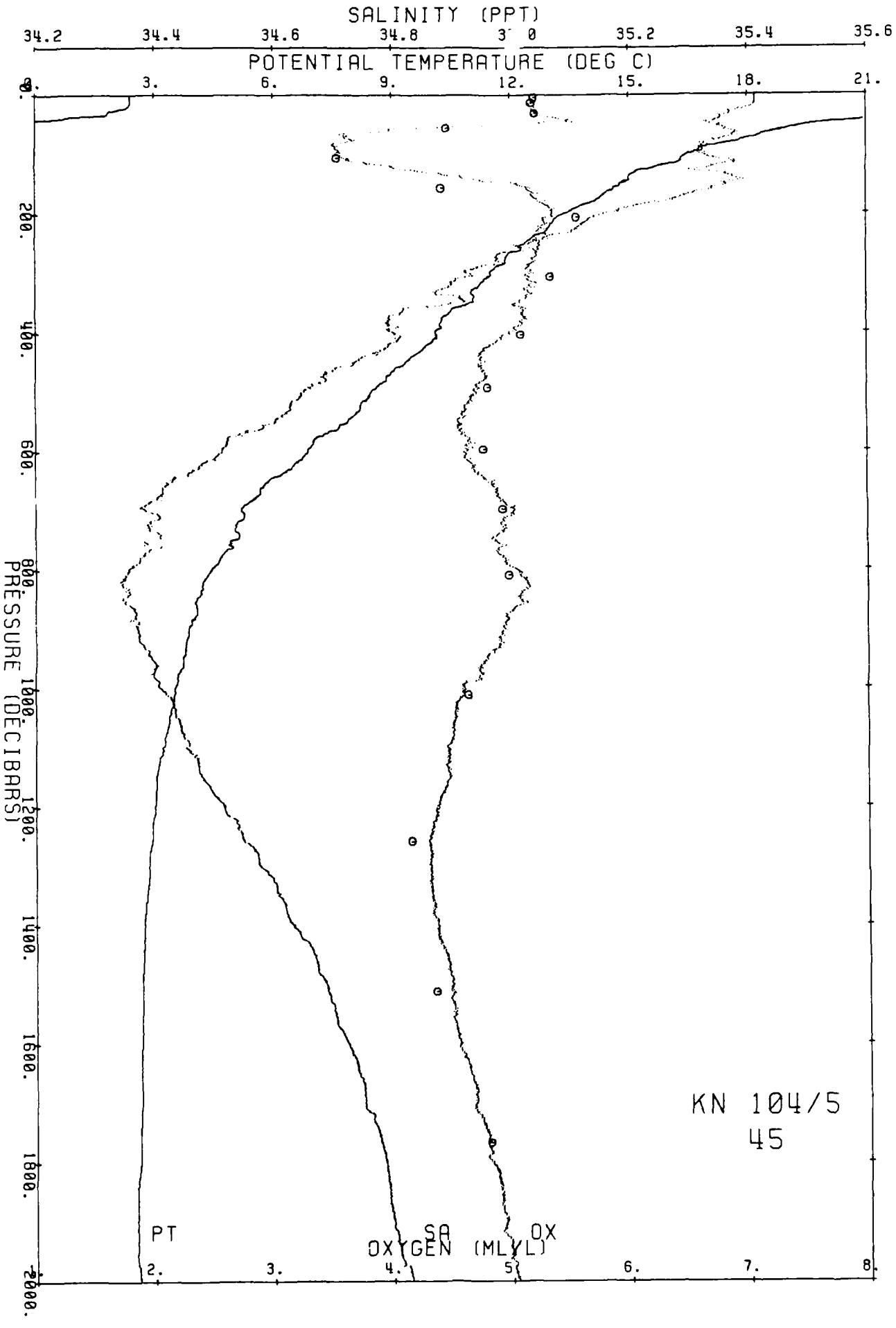
Ship KN Cruise 1045 Station 45 Cast 1 DT
Start 38 .33 S 20 59.22 E at 845 83/11/29
End 38 5.44 S 20 59.24 E at 1000

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	23.404	23.404	35.413	5.2	106.8	24.131	28.351	32.478	36.516	40.468	377.5	0.00	0.00	0.0
10	23.405	23.403	35.413	5.2	107.3	24.131	28.351	32.479	36.517	40.469	377.9	.04	.31	10.0
20	23.339	23.335	35.408	5.2	107.3	24.147	28.368	32.496	36.536	40.488	376.9	.08	2.24	20.0
30	22.850	22.844	35.370	5.2	106.7	24.261	28.489	32.624	36.670	40.629	366.5	.11	5.97	29.9
40	21.714	21.707	35.354	5.4	108.5	24.570	28.814	32.966	37.027	41.001	337.4	.15	9.87	39.9
50	19.672	19.663	35.353	5.0	96.9	25.121	29.396	33.577	37.667	41.669	285.2	.18	13.16	49.9
60	18.787	18.777	35.370	4.0	75.6	25.362	29.651	33.846	37.949	41.964	262.6	.21	8.71	59.9
70	18.314	18.302	35.376	3.6	67.7	25.486	29.783	33.985	38.095	42.117	251.2	.23	6.25	69.8
80	17.688	17.675	35.328	3.6	66.5	25.604	29.912	34.124	38.245	42.276	240.2	.26	6.11	79.8
90	16.818	16.803	35.325	3.5	64.3	25.811	30.134	34.360	38.495	42.539	220.8	.28	8.08	89.8
100	16.528	16.511	35.326	3.6	64.5	25.881	30.208	34.440	38.579	42.628	214.5	.30	4.68	99.7
120	15.781	15.763	35.344	4.0	71.8	26.067	30.407	34.652	38.803	42.864	197.3	.34	5.43	119.7
140	15.033	15.012	35.380	4.6	81.3	26.263	30.617	34.874	39.037	43.110	179.3	.38	5.56	139.6
160	14.633	14.610	35.337	5.2	90.2	26.318	30.679	34.944	39.114	43.194	174.6	.42	2.96	159.5
180	14.101	14.075	35.246	5.3	90.8	26.362	30.734	35.008	39.189	43.279	170.9	.45	2.68	179.4
200	13.375	13.347	35.159	5.4	91.2	26.446	30.832	35.121	39.315	43.418	163.2	.48	3.69	199.3
220	13.053	13.023	35.118	5.3	89.1	26.480	30.873	35.168	39.369	43.477	160.4	.52	2.36	219.2
240	12.612	12.580	35.058	5.2	87.6	26.522	30.924	35.228	39.437	43.553	156.9	.55	2.62	239.1
260	12.329	12.294	35.041	5.2	87.4	26.565	30.972	35.282	39.496	43.618	153.2	.58	2.63	259.0
280	11.917	11.880	34.982	5.2	85.8	26.599	31.015	35.333	39.555	43.685	150.4	.61	2.38	278.9
300	11.540	11.502	34.927	5.2	85.1	26.627	31.051	35.377	39.607	43.744	148.0	.64	2.19	298.8
320	11.277	11.237	34.901	5.2	84.0	26.656	31.085	35.417	39.652	43.794	145.6	.67	2.19	318.7
340	11.145	11.103	34.916	5.1	83.4	26.692	31.124	35.458	39.696	43.841	142.6	.70	2.41	338.6
360	10.587	10.543	34.821	5.1	82.3	26.718	31.163	35.509	39.758	43.914	140.2	.73	2.19	358.4
380	10.309	10.264	34.795	5.1	80.9	26.747	31.198	35.549	39.805	43.966	137.8	.75	2.20	378.3
400	10.162	10.115	34.803	5.0	79.2	26.779	31.233	35.588	39.846	44.010	135.1	.78	2.28	398.2
450	9.403	9.352	34.734	4.8	74.2	26.853	31.324	35.695	39.970	44.149	128.5	.85	2.26	447.9
500	8.553	8.500	34.653	4.7	72.1	26.926	31.416	35.806	40.099	44.296	121.8	.91	2.26	497.6
550	7.940	7.884	34.604	4.6	68.7	26.980	31.485	35.890	40.196	44.406	116.9	.97	1.97	547.2
600	6.944	6.887	34.514	4.6	68.2	27.052	31.581	36.008	40.337	44.569	109.7	1.03	2.31	596.9
650	5.946	5.889	34.431	4.9	69.8	27.117	31.671	36.123	40.475	44.729	102.8	1.08	2.25	646.5
700	5.261	5.203	34.385	5.0	71.1	27.164	31.735	36.204	40.572	44.843	97.9	1.13	1.91	696.1
750	4.990	4.930	34.411	4.9	68.6	27.217	31.794	36.269	40.644	44.921	93.2	1.18	1.89	745.7
800	4.490	4.428	34.357	5.1	70.2	27.230	31.820	36.309	40.696	44.984	91.5	1.22	1.20	795.3
900	3.931	3.864	34.372	5.0	67.8	27.301	31.906	36.408	40.809	45.111	84.7	1.31	1.61	894.4
1000	3.593	3.521	34.412	4.6	62.6	27.367	31.981	36.492	40.901	45.211	78.6	1.39	1.52	993.5
1100	3.285	3.207	34.454	4.5	60.2	27.430	32.052	36.571	40.988	45.305	72.7	1.47	1.50	1092.5
1200	3.088	3.004	34.518	4.4	58.9	27.500	32.127	36.651	41.072	45.394	66.3	1.54	1.54	1191.5
1300	2.949	2.858	34.578	4.3	57.8	27.561	32.192	36.719	41.143	45.468	60.9	1.60	1.43	1290.4
1400	2.843	2.745	34.634	4.4	58.4	27.616	32.249	36.779	41.206	45.533	56.2	1.66	1.35	1389.3
1500	2.782	2.677	34.688	4.5	60.1	27.665	32.300	36.831	41.259	45.587	52.1	1.71	1.26	1488.1
1600	2.776	2.662	34.724	4.6	60.8	27.695	32.330	36.861	41.289	45.618	50.0	1.76	.97	1586.9
1700	2.766	2.644	34.750	4.7	62.4	27.718	32.353	36.884	41.313	45.641	48.6	1.81	.84	1685.6
1800	2.743	2.613	34.786	4.8	64.4	27.749	32.385	36.916	41.346	45.675	46.2	1.86	1.00	1784.3
1900	2.679	2.541	34.800	4.9	65.8	27.767	32.404	36.937	41.369	45.699	45.0	1.91	.80	1882.9
2000	2.742	2.594	34.830	5.1	67.4	27.786	32.422	36.953	41.383	45.712	44.2	1.95	.71	1981.5
2100	2.654	2.498	34.826	5.1	68.1	27.791	32.430	36.964	41.396	45.727	43.9	2.00	.57	2080.0
2200	2.642	2.477	34.839	5.2	68.9	27.803	32.442	36.977	41.409	45.741	43.4	2.04	.64	2178.5
2300	2.578	2.405	34.840	5.2	69.0	27.810	32.451	36.988	41.422	45.756	43.0	2.08	.59	2276.9
2400	2.551	2.369	34.845	5.2	69.6	27.817	32.459	36.997	41.432	45.766	42.8	2.13	.54	2375.3
2500	2.486	2.296	34.848	5.3	70.5	27.826	32.470	37.009	41.446	45.783	42.3	2.17	.64	2473.7
2600	2.408	2.210	34.846	5.3	70.6	27.832	32.478	37.019	41.459	45.797	41.8	2.21	.60	2572.0
2700	2.373	2.166	34.846	5.3	70.6	27.835	32.482	37.025	41.466	45.805	41.9	2.25	.45	2670.2
2800	2.346	2.130	34.848	5.4	70.6	27.840	32.488	37.032	41.473	45.814	41.8	2.29	.47	2768.4
2900	2.329	2.103	34.850	5.3	70.4	27.843	32.493	37.037	41.479	45.820	41.9	2.34	.42	2866.6
3000	2.295	2.060	34.849	5.3	70.2	27.846	32.496	37.042	41.485	45.828	42.0	2.38	.44	2964.7
3200	2.215	1.961	34.843	5.2	68.8	27.849	32.502	37.051	41.497	45.841	43.1	2.46	.42	3160.8
3400	2.172	1.899	34.840	5.2	67.9	27.852	32.507	37.057	41.504	45.851	42.6	2.55	.36	3356.8
3600	2.103	1.811	34.831	5.1	66.6	27.851	32.509	37.062	41.511	45.860	43.0	2.63	.36	3552.5
3800	1.835	1.528	34.803	5.1	66.2	27.850	32.516	37.077	41.534	45.890	41.5	2.72	.66	3748.1
4000	1.585	1.263	34.779	5.1	65.8	27.850	32.523	37.092	41.557	45.920	39.9	2.80	.67	3943.5
4200	1.393	1.055	34.760	5.1	65.4	27.849	32.529	37.103	41.573	45.942	38.7	2.88	.59	4138.8
4400	1.200	.845	34.744	5.1	65.9	27.850	32.536	37.116	41.593	45.967	37.1	2.95	.64	4333.8
4600	1.021	.650	34.729	5.2	66.9	27.850	32.542	37.128	41.610	45.989	35.6	3.02	.62	4528.7
4800	.941	.549	34.721	5.2	66.6	27.850	32.545	37.133	41.618	46.001	35.1	3.10	.45	4723.5
4911	.928	.523	34.719	5.2	65.5	27.850	32.545	37.135	41.620	46.004	35.2	3.13	.31	4831.5

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	23.538	23.537	35.424	5.20	4.3	0.16	1.2	0.01	0.20	24.101	28.318	32.444	36.480	40.430	4.8
13	23.530	23.527	35.422	5.18	2.9	0.16	0.9	0.01	0.25	24.102	28.320	32.446	36.482	40.432	13.8
31	23.516	23.510	35.421	5.21	4.1	0.14	1.2	0.01	0.25	24.106	28.325	32.451	36.487	40.438	31.0
56	19.967	19.957	35.376	4.46	4.8	0.41	4.3	0.34	0.28	25.061	29.332	33.508	37.594	41.592	55.5
106	16.633	16.616	35.333	3.54	9.0	0.92	9.8	0.03	0.20	25.862	30.187	34.417	38.554	42.602	104.6
156	15.084	15.060	35.304	4.42	8.2	0.80	10.0	0.27		26.194	30.547	34.804	38.967	43.040	154.7
206	13.689	13.660	35.218	5.56	4.9	0.62	6.3	0.02		26.428	30.807	35.090	39.278	43.375	204.3
306	11.613	11.574	34.955	5.34	5.5	0.93	9.7			26.635	31.058	35.382	39.611	43.746	303.3
403	9.892	9.845	34.769	5.09	10.3	1.28	15.6			26.798	31.258	35.619	39.883	44.053	399.8
493	8.801	8.748	34.679	4.81	10.8	1.53	13.0			26.907	31.392	35.777	40.064	44.256	488.3
597	7.201	7.143	34.535	4.77	14.1	1.85	16.5			27.033	31.555	35.977	40.300	44.526	591.3
698	5.537	5.478	34.416	4.93	19.4	2.09	22.6			27.156	31.720	36.182	40.544	44.807	691.4
809	4.653	4.589	34.371	4.98	27.0	2.22	28.6			27.223	31.810	36.294	40.677	44.962	801.6
1012	3.653	3.579	34.400	4.64	32.8	2.45	24.2			27.351	31.964	36.474	40.881	45.190	1001.5
1258	3.001	2.913	34.549	4.16	46.8	2.55	24.4			27.533	32.163	36.688	41.112	45.435	1244.9
1512	2.781	2.674	34.678	4.36	50.2	2.39	24.6			27.657	32.292	36.823	41.252	45.580	1495.4
1767	2.739	2.611	34.779	4.81	49.7	2.13	25.4			27.744	32.379	36.911	41.341	45.670	1745.6
2001	2.677	2.529	34.820	5.02	38.7	1.98	12.8			27.784	32.421	36.955	41.386	45.717	1976.4
2481	2.460	2.272	34.848	5.30	38.7	1.90	18.0			27.828	32.472	37.012	41.450	45.787	2448.0
2998	2.281	2.046	34.856	5.40	50.4	1.87	23.0			27.853	32.504	37.050	41.493	45.836	2954.6
3520	2.122	1.837	34.837	5.31	43.4	1.92	17.2			27.854	32.511	37.063	41.512	45.860	3464.4
4016	1.638	1.313	34.790	5.16	52.8	2.14	17.3			27.855	32.527	37.094	41.557	45.919	3948.5
4511	1.068	0.705	34.736	5.12	41.8	2.32	13.0			27.853	32.542	37.127	41.607	45.985	4430.4
4919	0.930	0.524	34.721	5.11	93.6	2.38	28.8			27.852	32.547	37.136	41.622	46.005	4826.1


SALINITY (PPT)
34.2
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POTENTIAL TEMPERATURE (DEG C)
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KN 104/5
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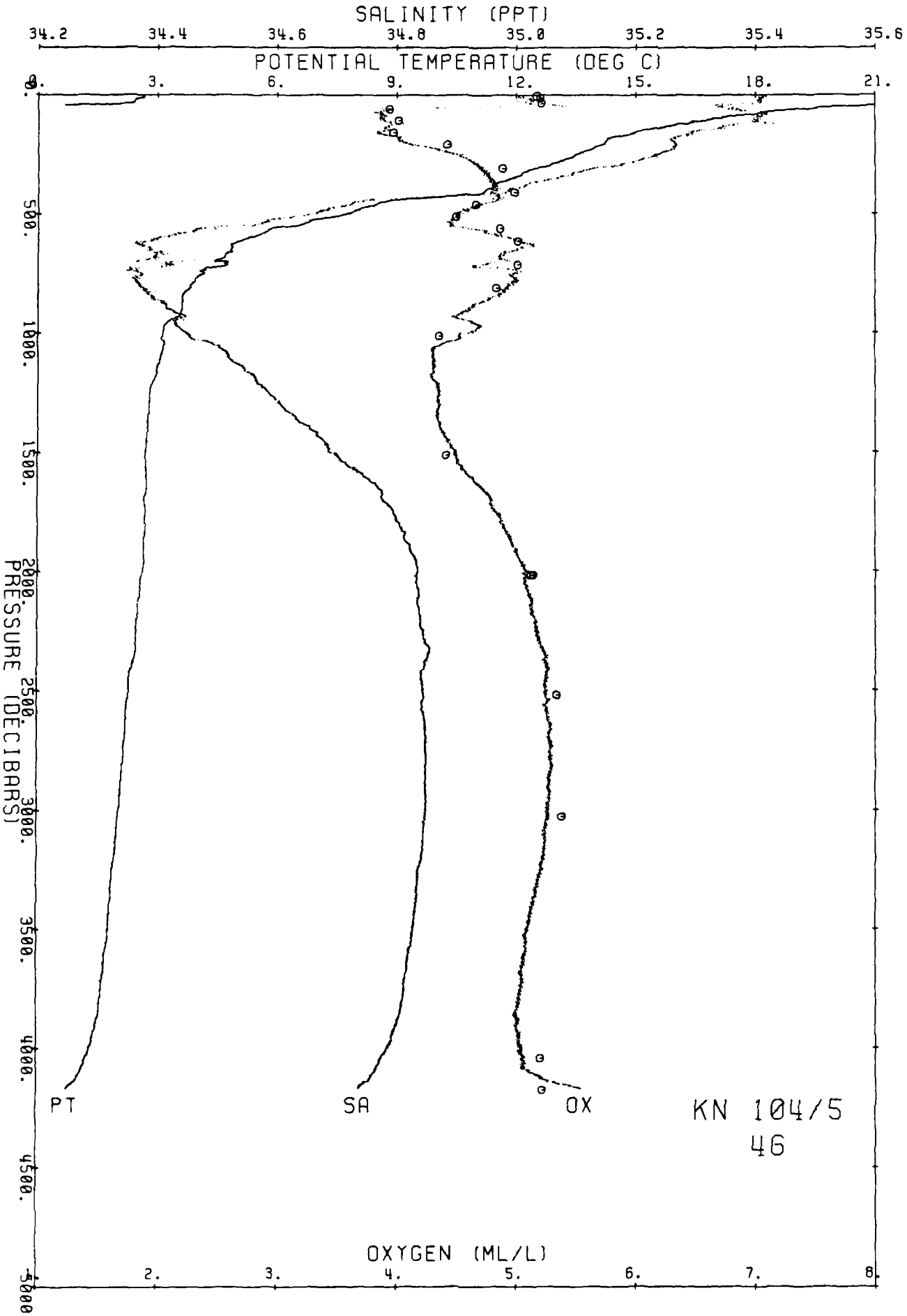

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
5.4
5.7
6.0
6.3
KN 104/5
45

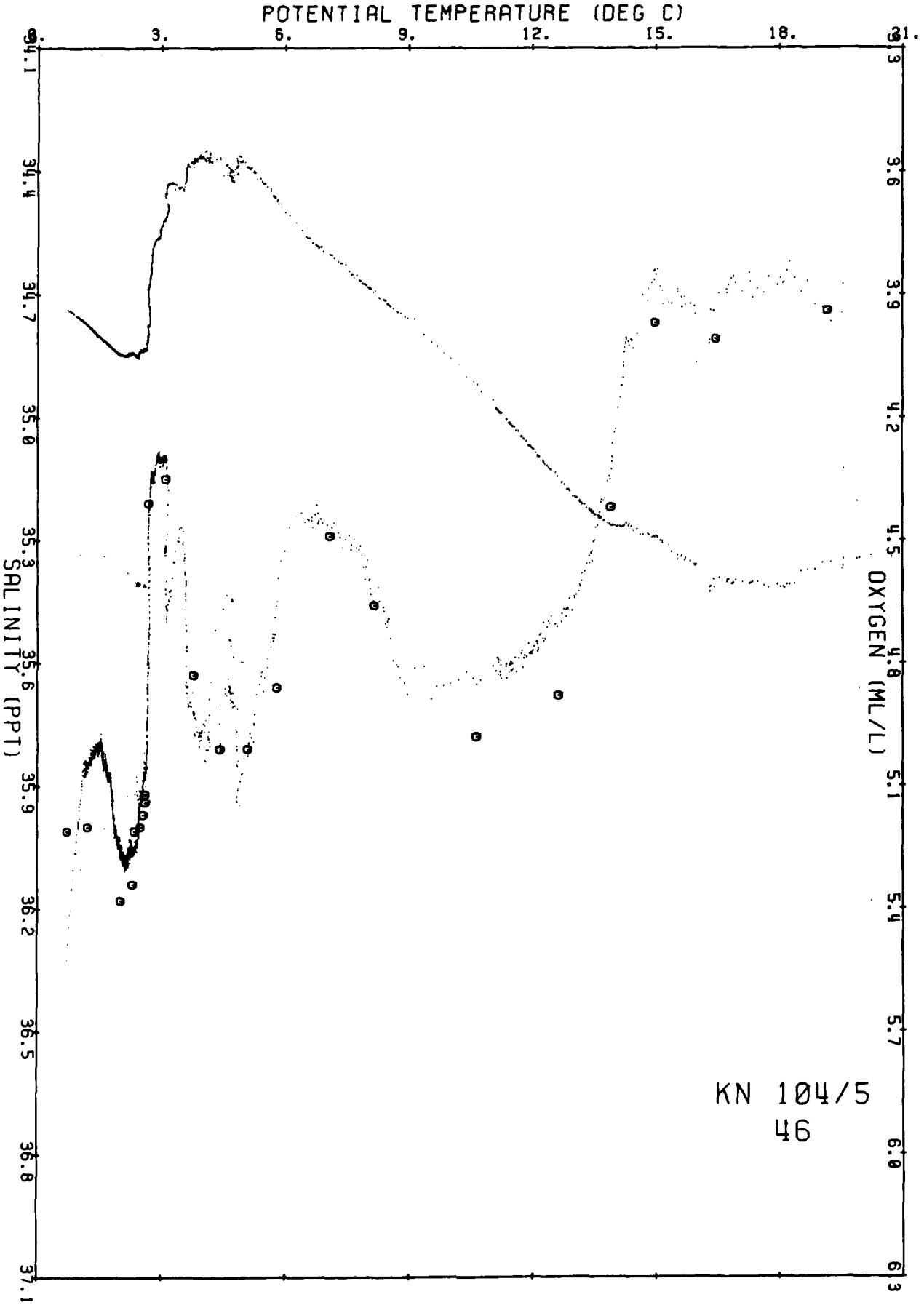

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
KN 104/5
45
PT
SA
OX
OXYGEN (ML/L)
2.
3.
4.
5.
6.
7.
8.

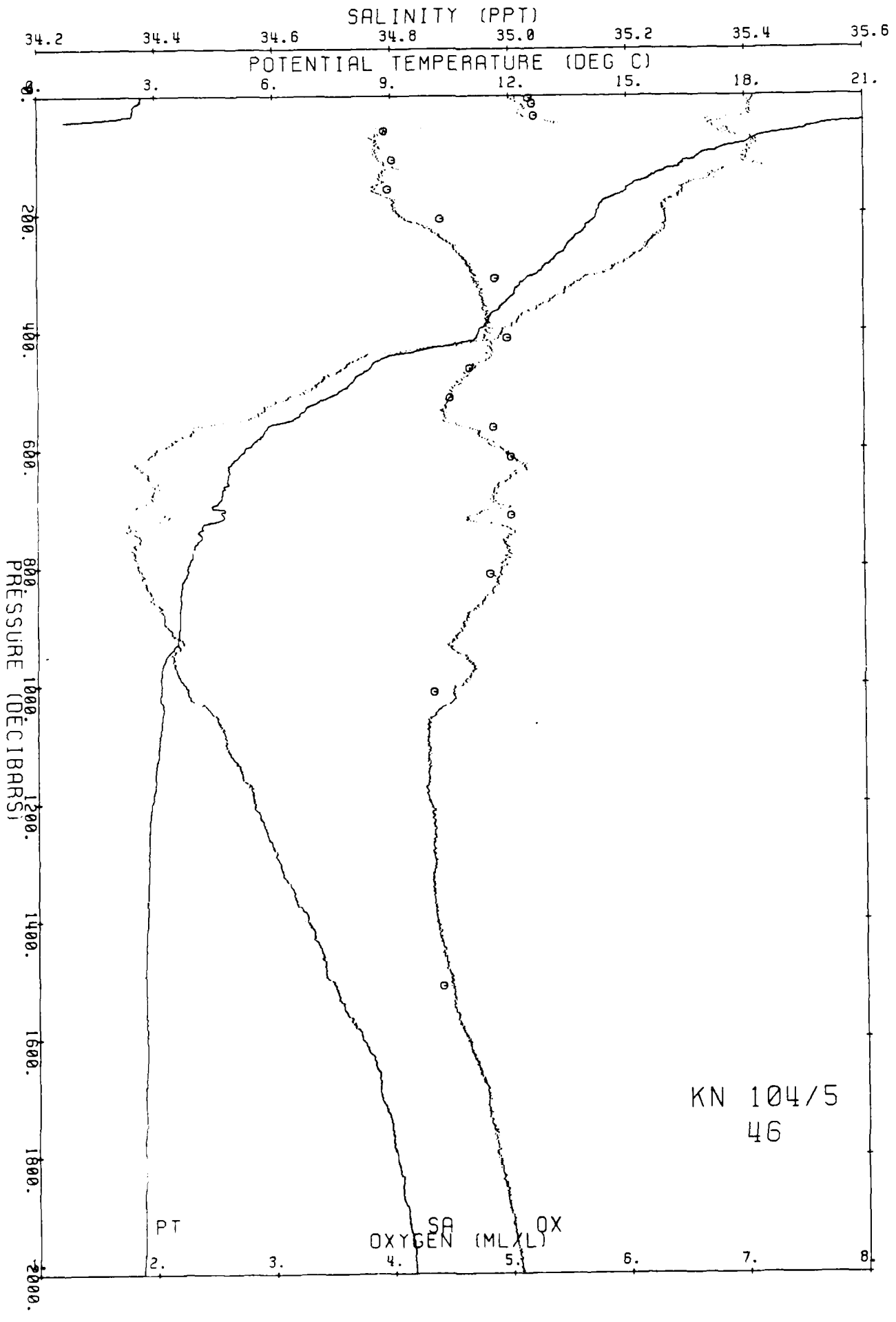
Ship KN Cruise 1045 Station 46 Cast 1 DT
Start 37 20.45 S 21 .01 E at 1712 83/11/29
End 37 21.28 S 20 59.75 E at 2010

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	23.656	23.656	35.414	5.1	104.8	24.058	28.274	32.398	36.433	40.382	384.5	0.00	0.00	0.0
10	23.658	23.656	35.411	5.1	104.8	24.056	28.272	32.396	36.431	40.380	385.2	.04	.84	10.0
20	23.450	23.446	35.410	5.1	105.8	24.117	28.336	32.463	36.500	40.451	379.8	.08	4.37	20.0
30	23.422	23.416	35.410	5.1	104.8	24.125	28.345	32.472	36.510	40.462	379.4	.11	1.68	30.0
40	22.635	22.627	35.338	5.2	105.9	24.299	28.530	32.668	36.717	40.679	363.3	.15	7.38	39.9
50	19.979	19.969	35.345	4.9	94.3	25.034	29.305	33.481	37.567	41.565	293.5	.18	15.21	49.9
60	19.273	19.263	35.355	4.0	75.9	25.226	29.508	33.695	37.791	41.799	275.6	.21	7.77	59.9
70	18.388	18.376	35.409	3.9	72.7	25.493	29.788	33.989	38.098	42.118	250.5	.24	9.16	69.8
80	18.051	18.038	35.416	3.9	72.3	25.582	29.883	34.089	38.204	42.229	242.3	.26	5.31	79.8
90	17.389	17.374	35.404	3.9	72.2	25.736	30.047	34.264	38.389	42.424	228.1	.29	6.95	89.8
100	16.910	16.894	35.405	3.9	70.6	25.851	30.171	34.396	38.529	42.571	217.4	.31	6.05	99.7
120	16.351	16.332	35.429	4.0	72.7	26.002	30.331	34.565	38.707	42.758	203.7	.35	4.87	119.7
140	15.573	15.551	35.339	3.9	69.3	26.111	30.455	34.703	38.858	42.923	193.8	.39	4.18	139.6
160	15.007	14.983	35.294	3.8	67.7	26.203	30.558	34.816	38.981	43.055	185.6	.43	3.83	159.5
180	14.399	14.372	35.262	4.0	70.1	26.311	30.677	34.946	39.122	43.206	175.8	.47	4.15	179.4
200	14.263	14.234	35.265	4.1	70.6	26.343	30.711	34.983	39.161	43.248	173.3	.50	2.25	199.3
220	13.990	13.959	35.264	4.3	73.6	26.401	30.774	35.051	39.234	43.325	168.4	.53	3.03	219.2
240	13.708	13.674	35.247	4.4	75.6	26.447	30.826	35.108	39.296	43.393	164.5	.57	2.73	239.1
260	13.466	13.429	35.231	4.5	77.3	26.485	30.869	35.156	39.348	43.449	161.4	.60	2.48	259.0
280	13.119	13.081	35.196	4.6	78.5	26.529	30.920	35.214	39.413	43.519	157.6	.63	2.68	278.9
300	12.779	12.739	35.159	4.7	78.7	26.569	30.967	35.267	39.473	43.586	154.2	.66	2.56	298.8
320	12.324	12.282	35.111	4.7	79.1	26.622	31.029	35.338	39.552	43.674	149.5	.69	2.95	318.7
340	12.093	12.049	35.079	4.8	78.9	26.642	31.054	35.368	39.587	43.713	148.0	.72	1.85	338.6
360	11.793	11.747	35.047	4.8	78.5	26.674	31.093	35.413	39.638	43.769	145.3	.75	2.33	358.5
380	11.515	11.467	35.014	4.8	78.6	26.701	31.125	35.451	39.682	43.819	143.0	.78	2.13	378.4
400	11.276	11.226	34.988	4.8	78.2	26.726	31.155	35.486	39.721	43.863	141.1	.81	2.03	398.2
450	8.688	8.639	34.734	4.8	73.6	26.967	31.454	35.841	40.130	44.324	117.0	.88	4.08	447.9
500	7.741	7.691	34.658	4.5	67.5	27.051	31.560	35.969	40.279	44.493	109.1	.93	2.43	497.6
550	6.470	6.420	34.544	4.4	64.6	27.138	31.678	36.116	40.455	44.697	100.2	.98	2.54	547.2
600	5.319	5.269	34.402	4.9	70.1	27.170	31.739	36.206	40.573	44.842	96.3	1.03	1.74	596.9
650	4.885	4.833	34.389	5.0	70.1	27.210	31.790	36.268	40.645	44.924	92.4	1.08	1.72	646.5
700	4.500	4.446	34.382	5.0	69.4	27.247	31.838	36.325	40.712	45.000	88.8	1.13	1.66	696.1
750	4.216	4.160	34.373	5.0	68.7	27.271	31.869	36.363	40.757	45.052	86.6	1.17	1.35	745.7
800	3.876	3.818	34.370	4.9	67.4	27.304	31.910	36.414	40.816	45.119	83.4	1.21	1.58	795.3
900	3.684	3.619	34.419	4.6	62.8	27.363	31.974	36.482	40.889	45.196	78.3	1.29	1.40	894.4
1000	3.208	3.138	34.449	4.6	61.9	27.433	32.057	36.577	40.996	45.314	71.5	1.37	1.60	993.5
1100	3.152	3.075	34.516	4.3	57.7	27.492	32.117	36.639	41.058	45.378	66.5	1.44	1.37	1092.5
1200	2.956	2.873	34.566	4.3	57.7	27.550	32.181	36.707	41.132	45.456	61.3	1.50	1.41	1191.5
1300	2.872	2.782	34.606	4.4	58.2	27.590	32.223	36.751	41.178	45.504	58.0	1.56	1.15	1290.4
1400	2.854	2.756	34.649	4.4	58.5	27.627	32.260	36.789	41.216	45.542	55.2	1.62	1.07	1389.2
1500	2.799	2.693	34.690	4.5	59.8	27.665	32.300	36.830	41.258	45.586	52.2	1.67	1.12	1488.1
1600	2.835	2.720	34.744	4.6	61.7	27.706	32.339	36.868	41.295	45.622	49.2	1.72	1.10	1586.8
1700	2.798	2.675	34.777	4.8	63.9	27.737	32.371	36.900	41.328	45.656	47.0	1.77	1.00	1685.5
1800	2.826	2.694	34.804	4.9	65.3	27.757	32.390	36.919	41.346	45.673	46.0	1.82	.76	1784.2
1900	2.806	2.666	34.822	5.0	66.7	27.773	32.407	36.937	41.365	45.692	45.0	1.86	.75	1882.8
2000	2.774	2.625	34.834	5.1	68.0	27.787	32.421	36.952	41.381	45.709	44.3	1.91	.68	1981.4
2100	2.722	2.565	34.837	5.1	67.9	27.794	32.431	36.963	41.393	45.723	44.0	1.95	.58	2079.9
2200	2.655	2.490	34.840	5.2	68.6	27.803	32.442	36.976	41.408	45.740	43.5	1.99	.64	2178.4
2300	2.631	2.457	34.848	5.2	69.2	27.812	32.452	36.987	41.420	45.752	43.2	2.04	.59	2276.9
2400	2.545	2.364	34.846	5.2	69.6	27.819	32.461	36.998	41.433	45.768	42.7	2.08	.62	2375.3
2500	2.484	2.294	34.843	5.2	69.5	27.822	32.466	37.005	41.443	45.779	42.6	2.12	.50	2473.6
2600	2.421	2.223	34.844	5.3	69.5	27.829	32.475	37.016	41.455	45.793	42.2	2.17	.60	2571.9
2700	2.408	2.200	34.849	5.3	69.8	27.835	32.481	37.023	41.463	45.801	42.1	2.21	.48	2670.2
2800	2.360	2.144	34.849	5.3	69.9	27.839	32.487	37.031	41.472	45.812	42.0	2.25	.52	2768.4
2900	2.321	2.096	34.848	5.3	69.6	27.842	32.492	37.037	41.479	45.820	41.9	2.29	.46	2866.5
3000	2.279	2.044	34.848	5.3	69.3	27.847	32.497	37.044	41.487	45.830	41.8	2.33	.51	2964.7
3200	2.186	1.933	34.839	5.2	68.7	27.848	32.502	37.052	41.498	45.844	42.0	2.42	.41	3160.8
3400	2.106	1.834	34.831	5.1	67.4	27.850	32.506	37.058	41.508	45.856	42.2	2.50	.40	3356.7
3600	1.998	1.708	34.820	5.1	66.1	27.850	32.511	37.066	41.519	45.870	42.1	2.59	.45	3552.5
3800	1.891	1.583	34.809	5.0	65.4	27.851	32.515	37.074	41.530	45.885	42.0	2.67	.46	3748.1
4000	1.641	1.317	34.784	5.0	65.3	27.850	32.522	37.089	41.552	45.914	40.4	2.75	.66	3943.5
4169	1.054	.729	34.736	5.5	70.6	27.851	32.540	37.124	41.603	45.981	34.9	2.82	1.12	4108.5

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	23.575	23.574	35.422	5.17	4.8	0.18	0.9	0.01	0.20	24.088	28.305	32.431	36.467	40.416	4.4
14	23.502	23.499	35.420	5.20	4.9	0.16	0.9	0.01		24.109	28.327	32.453	36.490	40.441	13.8
35	23.358	23.351	35.410	5.21	4.3	0.14	8.4	0.01		24.144	28.365	32.493	36.532	40.484	34.6
60	19.186	19.175	35.387	3.94	5.2	0.60	0.4	0.42		25.273	29.556	33.744	37.841	41.850	59.4
109	16.483	16.465	35.414	4.01	8.8	0.76	8.5	0.03		25.959	30.287	34.519	38.658	42.707	108.1
159	15.005	14.981	35.301	3.97	9.2	0.93	8.6	0.02		26.209	30.564	34.822	38.987	43.060	157.5
209	13.936	13.906	35.263	4.42	9.1	0.91	10.4	0.01		26.411	30.786	35.063	39.247	43.339	207.3
310	12.685	12.643	35.156	4.88	9.1	0.91	9.5	0.01		26.586	30.985	35.287	39.495	43.610	307.3
411	10.692	10.642	34.925	4.98	10.2	1.18	15.0			26.782	31.224	35.567	39.814	43.967	407.5
462	8.217	8.169	34.689	4.66	19.7	1.69	20.0			27.005	31.502	35.900	40.199	44.403	457.9
513	7.139	7.090	34.600	4.49	22.8	1.94	23.3			27.092	31.615	36.037	40.361	44.588	507.9
562	5.866	5.817	34.442	4.86	18.9	2.06	19.2			27.135	31.690	36.144	40.497	44.753	557.3
613	5.144	5.094	34.391	5.01	17.0	2.19	14.5			27.182	31.755	36.227	40.598	44.871	607.6
712	4.481	4.426	34.371	5.01	30.0	2.30	29.4			27.241	31.832	36.320	40.707	44.995	705.7
812	3.859	3.800	34.373	4.83	21.3	2.41	16.5			27.308	31.915	36.419	40.822	45.125	804.2
1012	3.177	3.107	34.459	4.35	50.1	2.59	33.3			27.444	32.068	36.590	41.009	45.328	1001.8
1511	2.811	2.704	34.699	4.41	32.7	2.37	16.2			27.672	32.305	36.835	41.263	45.590	1494.1
2017	2.773	2.623	34.834	5.14	43.8	1.95	23.7			27.787	32.422	36.952	41.381	45.710	1991.8
2017	2.771	2.621	34.835	5.12						27.788	32.423	36.954	41.382	45.711	1992.2
2519	2.502	2.310	34.851	5.34	45.8	1.90	22.4			27.827	32.471	37.010	41.446	45.782	2485.6
3027	2.250	2.013	34.848	5.38	46.4	1.90	21.1			27.849	32.501	37.048	41.492	45.836	2983.5
3533	2.062	1.777	34.821							27.846	32.504	37.058	41.509	45.858	3477.7
4042	1.543	1.218	34.779	5.20	67.8	2.17	25.0			27.853	32.528	37.097	41.564	45.928	3974.2
4174	1.043	0.718	34.736	5.21	59.6	2.34	19.0			27.852	32.541	37.125	41.605	45.983	4103.1


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
PT
SA
OX
KN 104/5
46
OXYGEN (ML/L)
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3.
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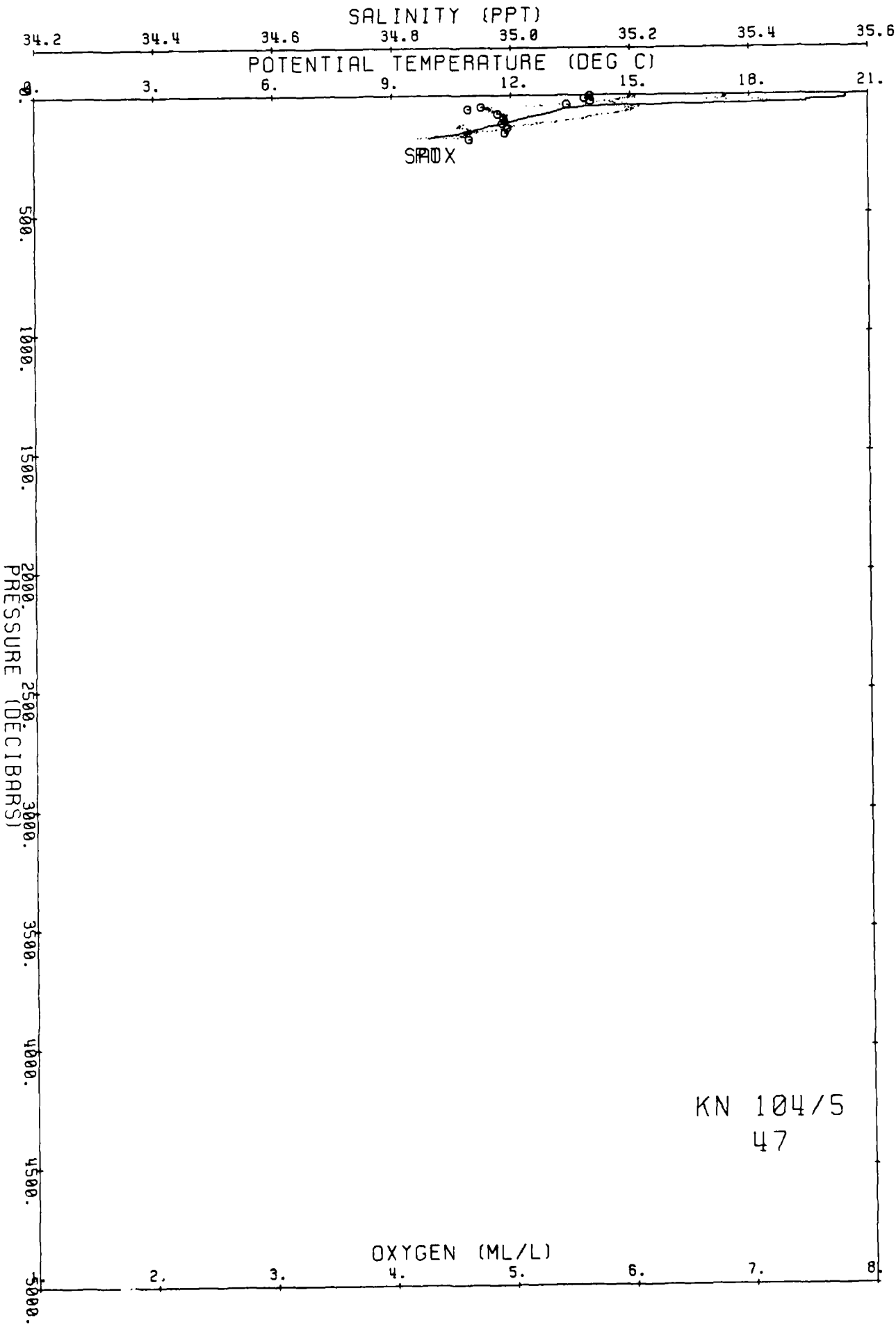

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
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KN 104/5
46

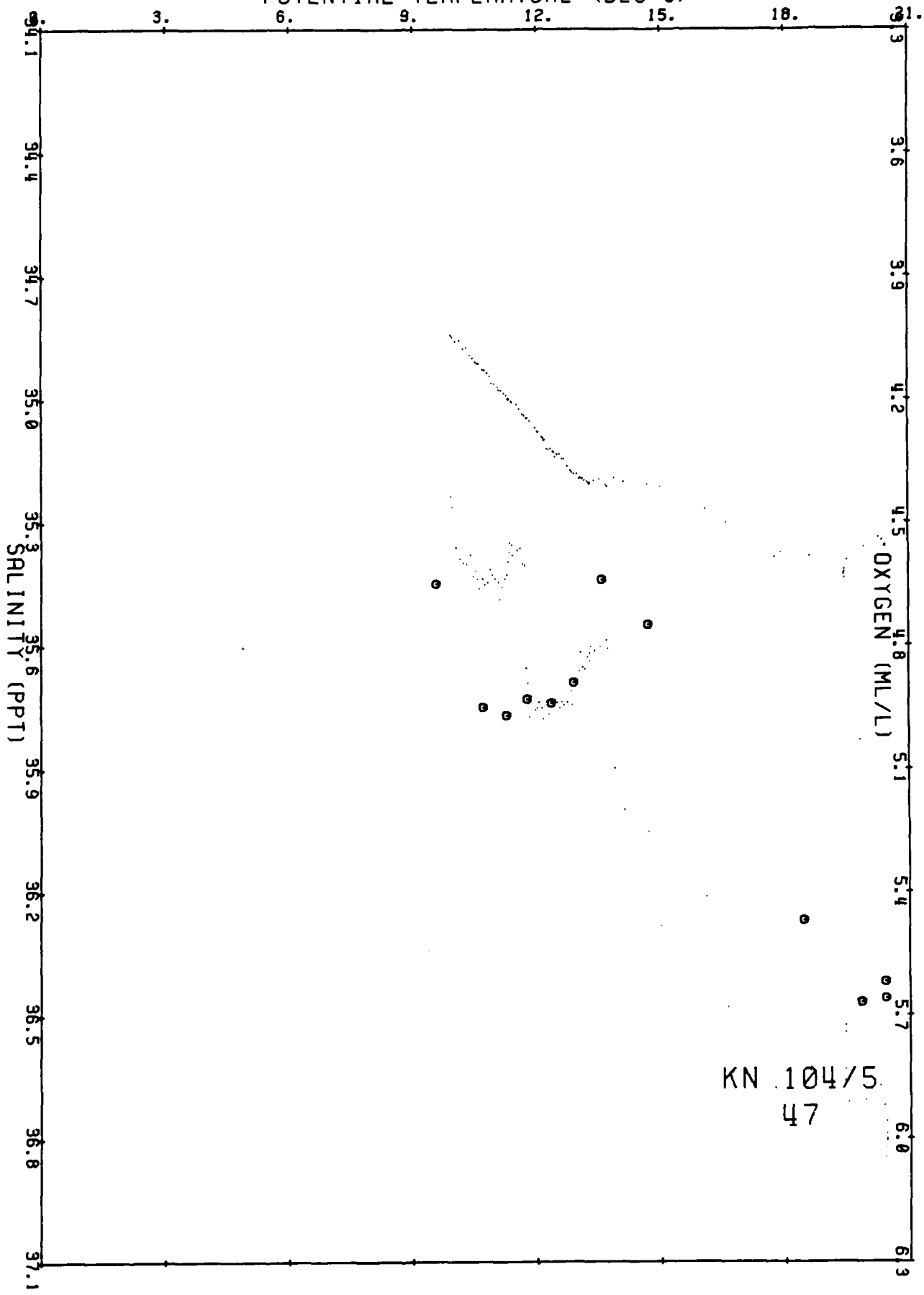

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
KN 104/5
46
PT
SA
OX
OXYGEN (ML/L)
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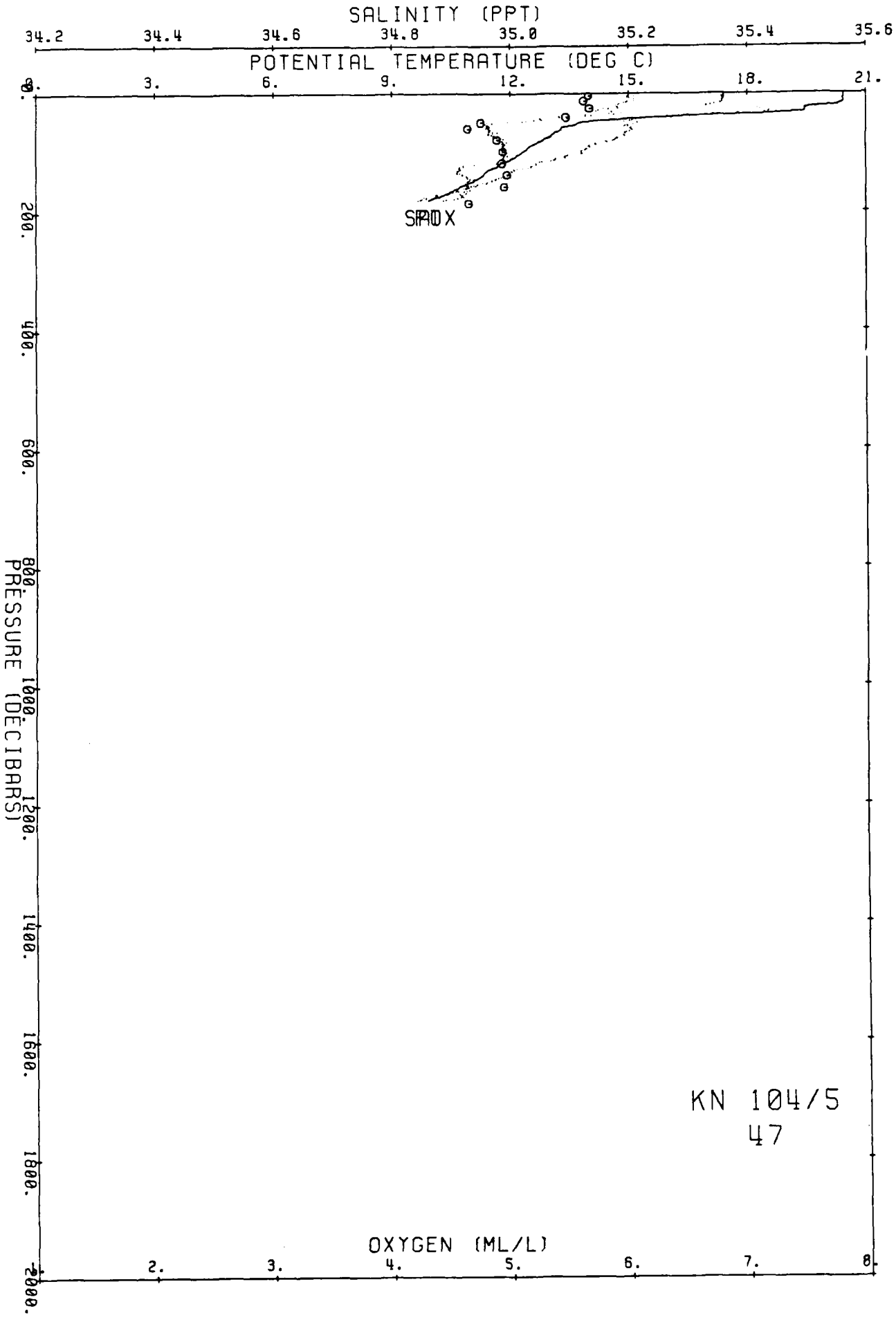
Ship KN Cruise 1045 Station 47 Cast 1 DT
Start 36 39.89 S 21 .16 E at 110 83/11/30
End 36 39.31 S 20 59.94 E at 145

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	20.432	20.432	35.360	6.0	117.4	24.923	29.186	33.355	37.434	41.426	302.1	0.00	0.00	0.0
10	20.421	20.420	35.360	6.0	118.2	24.926	29.189	33.359	37.438	41.430	302.2	.03	1.04	10.0
20	20.288	20.284	35.338	5.9	114.6	24.945	29.211	33.383	37.464	41.458	300.8	.06	2.47	20.0
30	19.460	19.455	35.437	5.7	110.1	25.239	29.517	33.701	37.794	41.798	273.2	.09	9.60	29.9
40	16.084	16.078	35.268	5.4	97.4	25.937	30.272	34.511	38.658	42.714	207.0	.11	14.81	39.9
50	13.723	13.716	35.214	4.8	82.5	26.413	30.791	35.073	39.260	43.356	162.0	.13	12.24	49.9
60	13.292	13.284	35.205	4.8	81.9	26.495	30.882	35.171	39.367	43.470	154.5	.15	5.08	59.8
70	13.078	13.069	35.192	4.8	81.5	26.528	30.920	35.213	39.413	43.520	151.6	.16	3.26	69.8
80	12.840	12.829	35.173	4.9	82.7	26.562	30.958	35.256	39.460	43.571	148.6	.18	3.25	79.7
90	12.512	12.500	35.134	4.9	82.6	26.597	30.999	35.304	39.514	43.632	145.6	.19	3.34	89.7
100	12.319	12.306	35.121	5.0	82.7	26.625	31.031	35.340	39.554	43.675	143.2	.21	2.97	99.6
120	11.771	11.756	35.045	4.9	79.9	26.671	31.089	35.409	39.634	43.765	139.2	.24	2.73	119.5
140	11.299	11.282	34.990	4.6	75.3	26.717	31.145	35.475	39.709	43.849	135.3	.26	2.71	139.4
160	10.719	10.700	34.926	4.6	74.6	26.772	31.213	35.555	39.801	43.953	130.3	.29	3.00	159.4
180	9.985	9.964	34.849	4.5	70.5	26.841	31.297	35.655	39.916	44.083	124.1	.31	3.34	179.3
181	9.957	9.936	34.844	4.4	70.1	26.841	31.299	35.657	39.919	44.086	124.0	.32	9.99	180.2

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	20.412	20.411	35.360	5.66	4.0	0.13	0.7	0.01	0.20	24.928	29.192	33.362	37.441	41.433	4.1
13	20.410	20.408	35.360	5.62	4.0	0.12	0.7	0.01		24.929	29.193	33.363	37.442	41.434	12.8
26	19.844	19.839	35.354	5.67	4.4	0.13	0.8	0.01		25.075	29.348	33.526	37.614	41.613	25.3
40	18.438	18.431	35.387	5.47	5.9	0.20	1.4	0.14		25.462	29.757	33.957	38.065	42.085	40.1
49	14.690	14.683	35.230	4.75	7.7	0.74	5.9	0.68		26.220	30.[illegible]30	34.844	39.014	43.094	48.9
60	13.572	13.564	35.208	4.64	10.0	0.89	10.1	0.36		26.440	30.821	35.106	39.296	43.394	59.0
79	12.897	12.886	35.188	4.89	7.0	0.87	9.4	0.13		26.562	30.957	35.254	39.457	43.567	78.3
99	12.365	12.352	35.125	4.94	8.7	0.92	10.1	0.17		26.619	31.024	35.332	39.545	43.665	97.8
118	11.786	11.771	35.054	4.93	9.0	1.03	11.2	0.20		26.675	31.093	35.413	39.637	43.768	117.3
138	11.282	11.265	34.993	4.97	8.6	1.12	13.7	0.09		26.722	31.151	35.481	39.715	43.856	136.9
158	10.715	10.696	34.929	4.95	10.7	1.19	14.5	0.06		26.775	31.216	35.558	39.804	43.956	156.8
186	9.589	9.568	34.804	4.65	13.9	1.53	18.8	0.18		26.872	31.338	35.704	39.974	44.148	184.0


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
OXYGEN (ML/L)
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KN 104/5
47

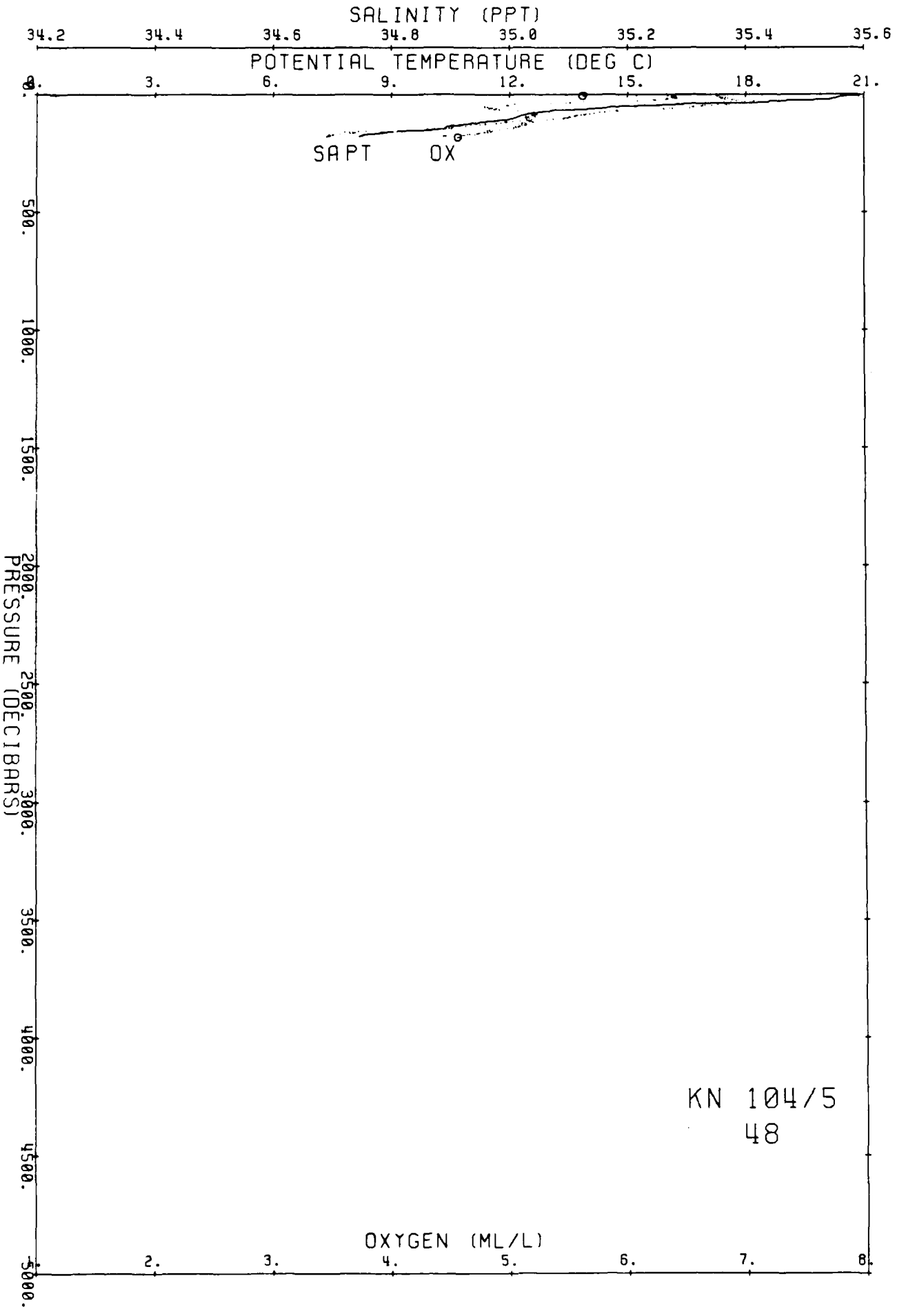

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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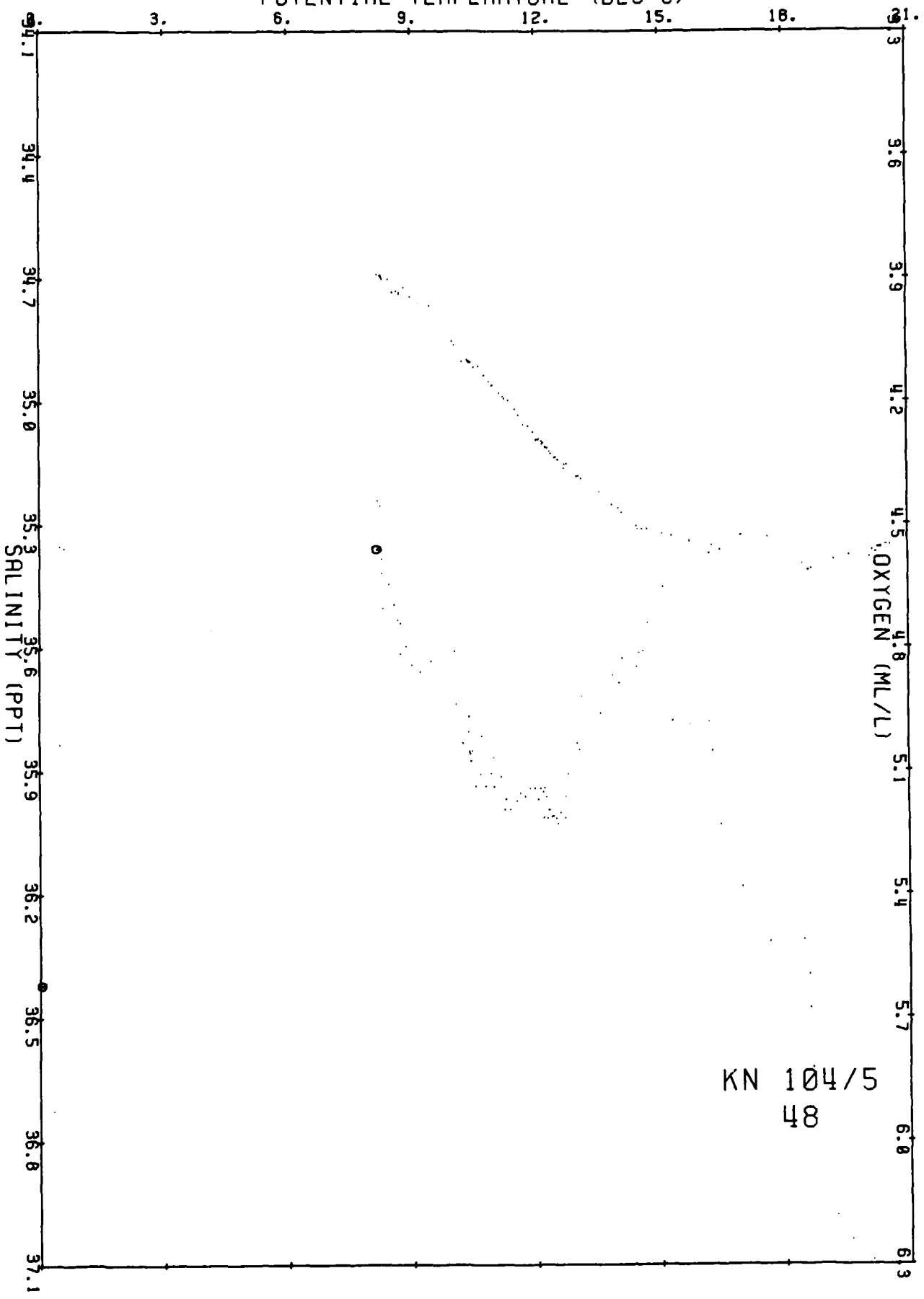

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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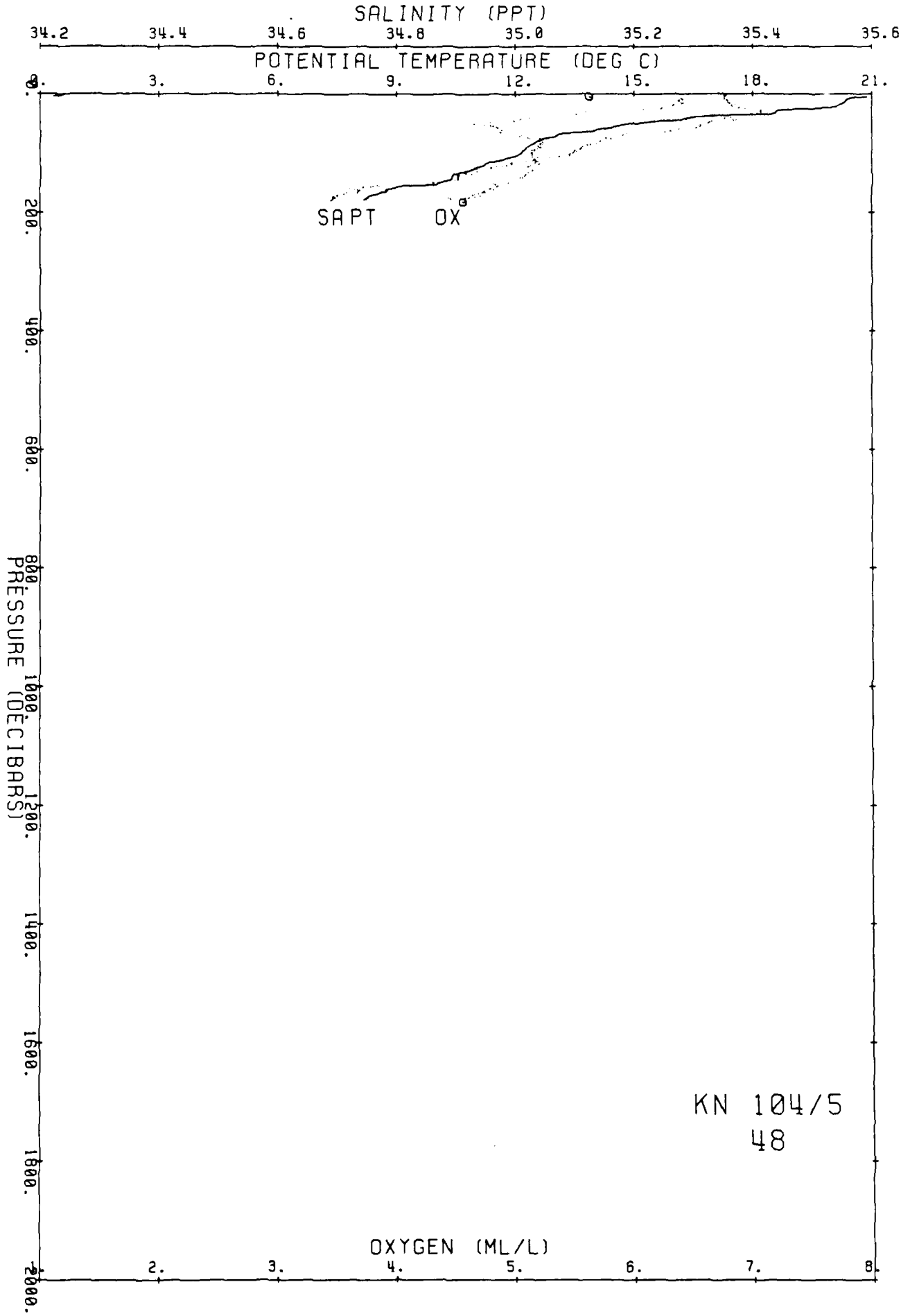
Ship KN Cruise 1045 Station 48 Cast 1 DT
Start 35 .08 S 22 59.97 E at 1615 83/11/30
End 34 59.09 S 22 58.79 E at 1649

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	21.608	21.608	35.356	9.0	9.0	24.599	28.845	32.997	37.060	41.035	332.9	0.00	0.00	0.0
10	20.371	20.369	35.356	6.4	125.2	24.937	29.201	33.371	37.451	41.443	301.2	.03	10.29	10.0
20	20.153	20.149	35.365	6.3	123.2	25.002	29.269	33.443	37.526	41.521	295.4	.06	4.53	20.0
30	18.607	18.602	35.413	5.7	107.4	25.439	29.731	33.928	38.034	42.050	254.1	.09	11.72	29.9
40	16.471	16.465	35.363	5.2	94.9	25.920	30.248	34.480	38.620	42.669	208.7	.11	12.30	39.9
50	15.097	15.089	35.324	4.7	82.1	26.203	30.555	34.811	38.974	43.046	182.0	.13	9.43	49.9
60	14.114	14.106	35.271	4.8	83.5	26.375	30.746	35.020	39.200	43.289	165.9	.15	7.36	59.8
70	13.063	13.053	35.181	5.0	85.4	26.523	30.915	35.209	39.408	43.516	152.1	.16	6.84	69.8
80	12.590	12.579	35.143	5.2	87.1	26.588	30.989	35.293	39.501	43.617	146.1	.18	4.54	79.7
90	12.331	12.320	35.113	5.2	86.5	26.616	31.022	35.331	39.544	43.665	143.7	.19	2.96	89.7
100	12.172	12.159	35.097	5.2	85.5	26.635	31.044	35.356	39.573	43.697	142.2	.21	2.44	99.6
120	11.240	11.226	34.986	5.2	84.4	26.724	31.153	35.484	39.719	43.861	134.0	.24	3.79	119.5
140	10.412	10.396	34.902	5.1	80.7	26.807	31.255	35.603	39.855	44.013	126.4	.26	3.66	139.4
160	8.866	8.849	34.721	4.8	73.9	26.924	31.406	35.789	40.073	44.263	115.3	.29	4.37	159.3
180	8.207	8.189	34.690	4.4	67.4	27.002	31.500	35.897	40.196	44.399	108.1	.31	3.56	179.2

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	21.041	21.040	35.361	5.62	4.8	0.13	8.8	0.02	0.20	24.759	29.013	33.174	37.244	41.227	5.0
13	20.299	20.297	35.356		5.3		9.3			24.956	29.221	33.393	37.474	41.467	12.4
13	20.311	20.309	35.357			0.13		0.02		24.953	29.218	33.390	37.471	41.464	12.6
26	20.000	19.995	35.355		5.1	0.13	9.6	0.01		25.035	29.305	33.481	37.566	41.564	25.4
50	16.139	16.131	35.359		8.0	0.71	8.8	0.39		25.995	30.328	34.566	38.711	42.766	49.2
50	16.209	16.201	35.358							25.978	30.310	34.547	38.691	42.745	49.4
74	12.992	12.982	35.192		6.4	0.14	6.2	0.01		26.546	30.939	35.234	39.435	43.544	73.4
99	12.222	12.209	35.110		7.2	1.01	11.4	0.02		26.635	31.043	35.354	39.570	43.693	97.7
124	11.042	11.027	34.976		10.6	1.22	14.5	0.05	0.78	26.753	31.186	35.521	39.760	43.906	122.8
148	10.140	10.123	34.881		11.2	1.29	17.6	0.09	0.26	26.838	31.292	35.646	39.903	44.067	146.6
173	8.308	8.290	34.705		14.9	1.76	18.4	0.05	0.20	26.999	31.493	35.888	40.185	44.386	172.0
183	8.161	8.142	34.682	4.56	14.3	1.80	14.6	0.05	0.42	27.003	31.501	35.899	40.200	44.404	181.0


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
KN 104/5
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OXYGEN (ML/L)
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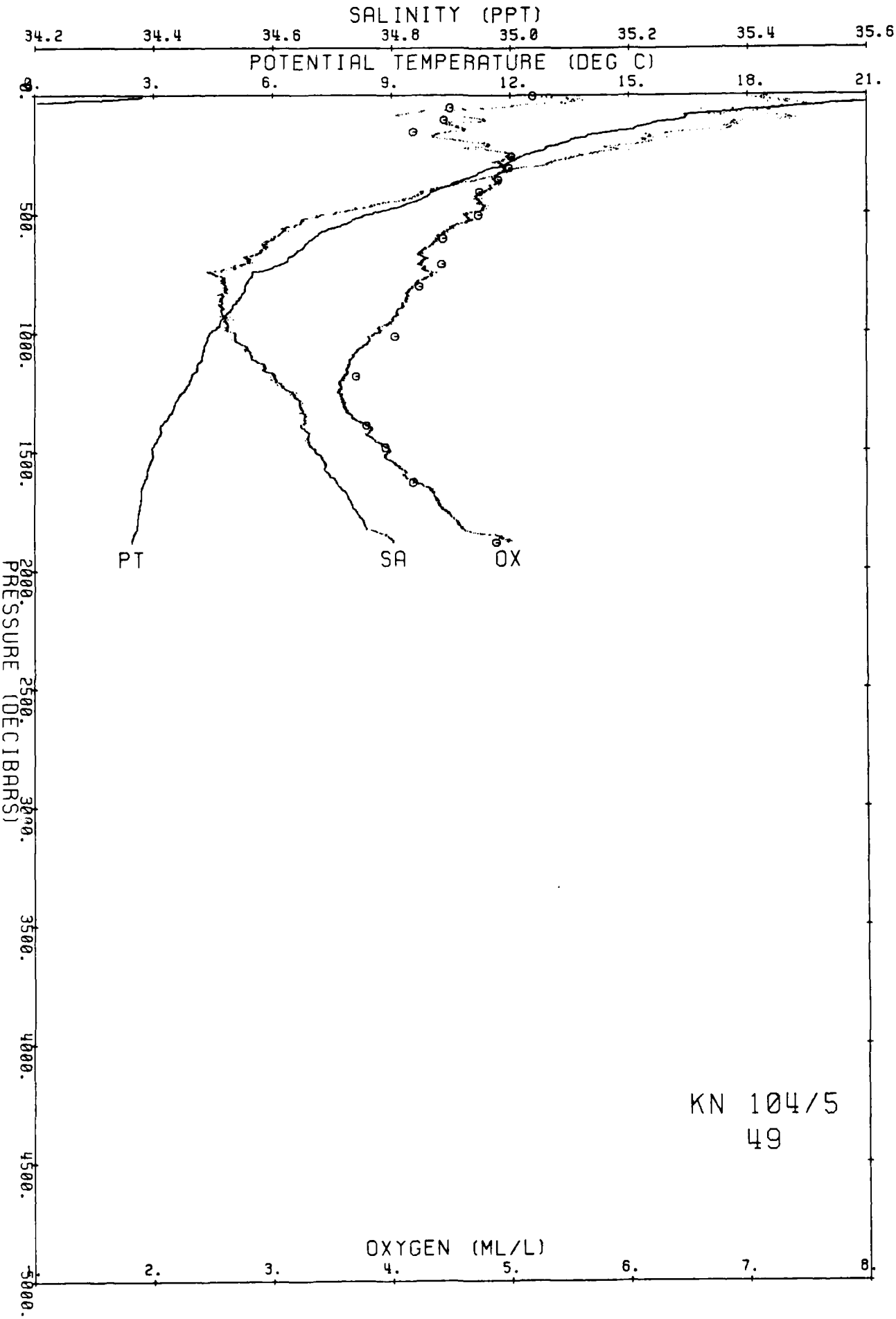

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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6.0
6.3
KN 104/5
48


SALINITY (PPT)
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34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
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SAPT
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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KN 104/5
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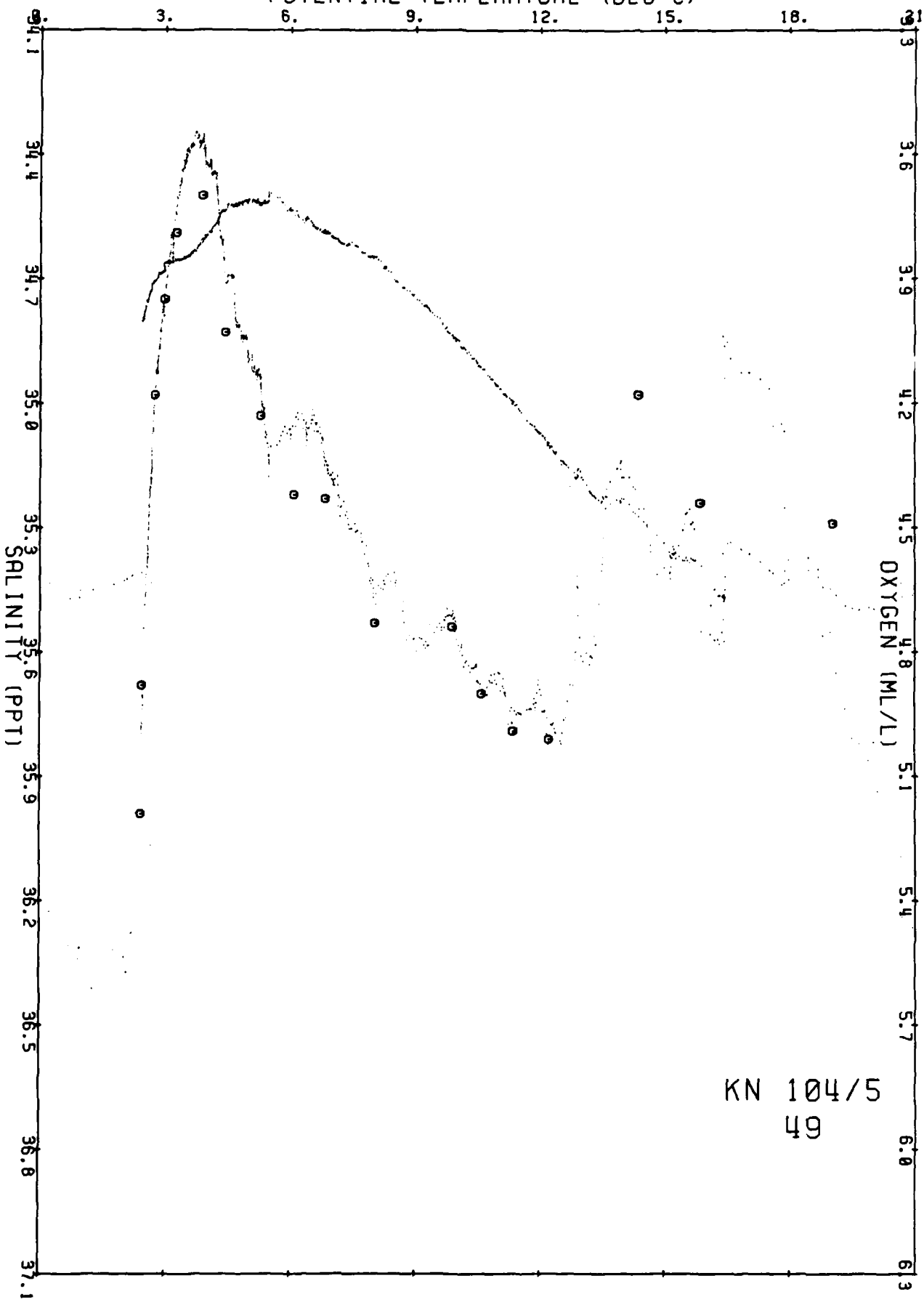
Ship KN Cruise 1045 Station 49 Cast 1 DT
Start 35 34.83 S 23 23.64 E at 2203 83/11/30
End 35 37.50 S 23 21.00 E at 2359

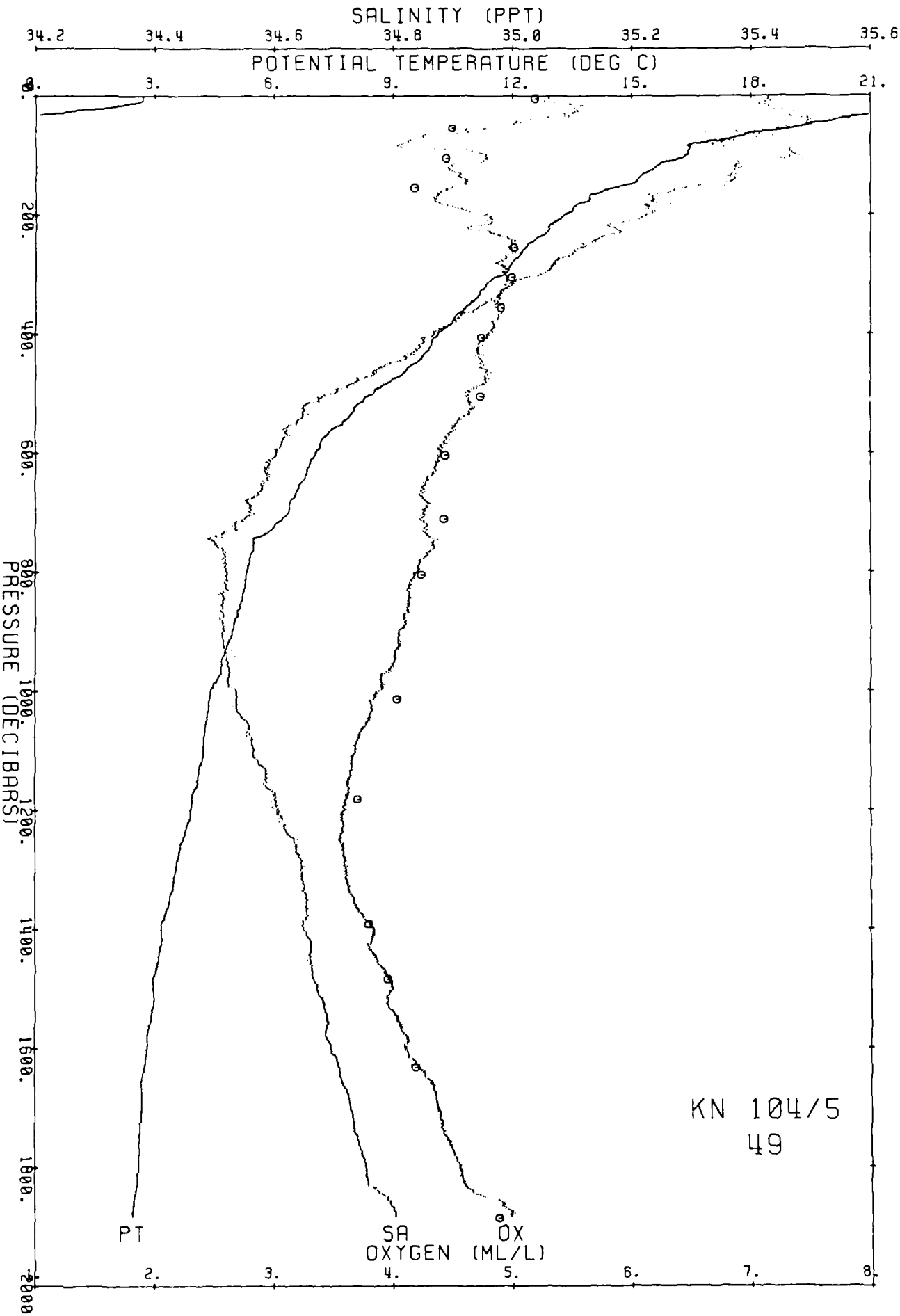
PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	23.700	23.700	35.429	5.3	110.1	24.057	28.272	32.395	36.430	40.378	384.7	0.00	0.00	0.0
10	23.643	23.641	35.423	5.3	110.1	24.069	28.286	32.410	36.445	40.394	383.9	.04	2.01	10.0
20	22.795	22.791	35.438	5.5	112.7	24.327	28.556	32.691	36.737	40.697	359.7	.08	9.01	20.0
30	21.248	21.242	35.435	5.4	107.8	24.760	29.011	33.168	37.235	41.215	318.8	.11	11.66	29.9
40	20.102	20.095	35.495	5.1	99.9	25.115	29.383	33.557	37.640	41.635	285.4	.14	10.57	39.9
50	19.347	19.338	35.489	4.9	94.7	25.309	29.589	33.774	37.868	41.874	267.3	.17	7.81	49.9
60	18.462	18.452	35.374	4.6	86.8	25.447	29.741	33.941	38.049	42.069	254.5	.19	6.60	59.9
70	17.616	17.604	35.410	4.3	79.0	25.684	29.992	34.205	38.327	42.358	232.2	.22	8.64	69.8
80	16.595	16.583	35.335	4.1	74.4	25.871	30.197	34.427	38.565	42.613	214.7	.24	7.68	79.8
90	16.460	16.446	35.466	4.4	80.5	26.004	30.331	34.563	38.702	42.752	202.5	.26	6.45	89.8
100	16.406	16.390	35.465	4.8	86.2	26.016	30.344	34.577	38.717	42.768	201.6	.28	1.97	99.7
120	15.622	15.604	35.383	4.5	79.5	26.133	30.476	34.723	38.877	42.940	191.0	.32	4.32	119.6
140	15.179	15.158	35.372	4.6	81.3	26.225	30.575	34.830	38.991	43.062	182.9	.36	3.80	139.5
160	14.326	14.303	35.265	4.4	76.6	26.328	30.696	34.966	39.143	43.228	173.5	.39	4.08	159.5
180	13.732	13.707	35.241	4.4	75.3	26.436	30.814	35.096	39.283	43.379	163.8	.43	4.13	179.4
200	13.339	13.311	35.224	4.8	81.1	26.504	30.890	35.179	39.374	43.476	157.8	.46	3.31	199.3
220	12.938	12.907	35.162	4.6	78.3	26.538	30.932	35.229	39.432	43.542	155.0	.49	2.36	219.2
240	12.623	12.591	35.145	5.0	83.2	26.588	30.988	35.291	39.500	43.616	150.7	.52	2.83	239.1
260	12.277	12.243	35.103	5.0	83.2	26.623	31.031	35.341	39.556	43.678	147.7	.55	2.41	259.0
280	12.018	11.981	35.071	4.9	80.5	26.648	31.062	35.377	39.597	43.725	145.7	.58	2.06	278.9
300	11.799	11.760	35.048	4.9	81.3	26.673	31.091	35.411	39.635	43.767	143.8	.61	2.00	298.8
320	11.372	11.331	34.993	5.0	81.0	26.710	31.137	35.466	39.699	43.839	140.6	.64	2.51	318.6
340	11.108	11.066	34.965	4.9	79.3	26.737	31.170	35.504	39.742	43.887	138.3	.67	2.12	338.5
360	10.801	10.757	34.933	4.9	78.6	26.768	31.207	35.548	39.793	43.943	135.7	.69	2.28	358.4
380	10.526	10.481	34.904	4.8	77.3	26.794	31.239	35.586	39.836	43.993	133.5	.72	2.12	378.3
400	10.181	10.134	34.868	4.8	75.9	26.826	31.279	35.633	39.891	44.054	130.6	.75	2.35	398.2
450	9.577	9.526	34.794	4.7	74.3	26.871	31.338	35.705	39.976	44.151	126.9	.81	1.79	447.9
500	8.553	8.500	34.702	4.6	70.5	26.964	31.454	35.844	40.137	44.333	118.2	.87	2.55	497.5
550	7.761	7.706	34.636	4.5	67.9	27.032	31.540	35.949	40.258	44.472	111.8	.93	2.20	547.2
600	7.099	7.042	34.603	4.4	65.0	27.101	31.625	36.049	40.373	44.601	105.3	.98	2.21	596.8
650	6.754	6.693	34.585	4.3	62.5	27.134	31.667	36.099	40.431	44.667	102.5	1.04	1.56	646.5
700	6.433	6.369	34.558	4.3	61.9	27.156	31.697	36.136	40.477	44.720	100.7	1.09	1.31	696.1
750	5.552	5.488	34.499	4.3	61.6	27.221	31.783	36.244	40.605	44.868	93.8	1.14	2.24	745.7
800	5.377	5.310	34.520	4.2	59.6	27.259	31.826	36.291	40.656	44.923	90.6	1.18	1.61	795.3
900	5.027	4.952	34.514	4.0	56.9	27.296	31.872	36.346	40.719	44.994	87.6	1.27	1.18	894.4
1000	4.501	4.421	34.537	3.9	54.0	27.373	31.963	36.450	40.836	45.123	80.3	1.35	1.68	993.5
1100	4.320	4.234	34.566	3.7	50.9	27.417	32.011	36.502	40.893	45.184	76.8	1.43	1.22	1092.5
1200	3.999	3.907	34.605	3.6	49.3	27.482	32.084	36.584	40.982	45.281	70.8	1.51	1.52	1191.5
1300	3.631	3.533	34.645	3.6	49.0	27.551	32.163	36.672	41.079	45.387	64.1	1.57	1.59	1290.4
1400	3.278	3.175	34.649	3.8	51.6	27.589	32.210	36.728	41.144	45.460	60.3	1.64	1.25	1389.3
1500	3.083	2.974	34.672	4.0	53.6	27.626	32.252	36.775	41.196	45.517	56.9	1.70	1.18	1488.1
1600	2.941	2.825	34.695	4.1	54.9	27.658	32.288	36.815	41.240	45.564	54.1	1.75	1.08	1586.9
1700	2.802	2.679	34.728	4.4	58.3	27.697	32.331	36.861	41.290	45.617	50.6	1.80	1.19	1685.6
1800	2.726	2.596	34.753	4.6	60.6	27.724	32.361	36.893	41.323	45.653	48.4	1.85	.98	1784.3
1883	2.592	2.456	34.803	5.0	66.2	27.776	32.416	36.952	41.385	45.718	43.6	1.89	1.48	1866.1

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	23.417	23.416	35.413	5.19	4.5	0.10	0.9	0.01	0.51	24.128	28.347	32.474	36.512	40.464	4.0
13	23.210	23.207	35.406		4.7	0.10	1.0	0.01	0.51	24.183	28.406	32.536	36.576	40.531	12.6
29	21.721	21.715	35.480		5.3	0.15	1.1	0.01	0.73	24.664	28.907	33.057	37.118	41.091	29.1
54	19.041	19.031	35.482	4.49	6.2	0.39	3.5	0.06	0.51	25.383	29.667	33.857	37.956	41.966	53.7
105	15.860	15.843	35.428	4.44	8.3	0.56	8.1	0.01	0.42	26.114	30.452	34.694	38.844	42.903	104.3
155	14.379	14.356	35.274	4.18	8.7	0.89	8.1	0.01	0.49	26.324	30.690	34.960	39.135	43.220	153.7
206	13.127	13.098	35.196							26.526	30.916	35.209	39.408	43.514	203.9
256	12.251	12.217	35.107	5.01	6.6	0.89	11.3		0.50	26.631	31.039	35.350	39.566	43.688	253.8
306	11.399	11.360	34.998	4.99	8.4	1.02	12.2		0.48	26.709	31.135	35.463	39.696	43.835	303.1
355	10.647	10.604	34.915	4.90	7.9	1.18	9.5		0.40	26.781	31.224	35.568	39.815	43.969	352.1
405	9.941	9.894	34.840	4.74	9.0	1.22	15.2		0.54	26.846	31.304	35.663	39.926	44.094	401.8
504	8.081	8.029	34.646	4.73	16.4	1.69	20.0		0.39	26.992	31.493	35.894	40.197	44.404	499.7
604	6.893	6.836	34.585	4.43	25.5	2.00	26.8		0.66	27.115	31.644	36.073	40.402	44.635	598.4
711	6.149	6.085	34.534	4.42	28.6	2.16	27.4		0.37	27.174	31.722	36.168	40.515	44.764	704.9
805	5.349	5.281	34.513	4.23	26.0	2.35	21.5		0.41	27.256	31.824	36.290	40.656	44.924	797.7
904	4.894	4.820	34.503		41.2	2.35	31.8		0.44	27.302	31.882	36.359	40.736	45.014	895.0
1014	4.519	4.438	34.531	4.03	48.3	2.47	33.5		0.41	27.367	31.956	36.442	40.828	45.115	1004.1
1090	4.311	4.225	34.561		44.5	2.53	28.8		0.34	27.413	32.008	36.500	40.890	45.182	1079.5
1183	3.982	3.891	34.605	3.70	54.8	2.62	32.9		0.32	27.483	32.086	36.586	40.985	45.284	1170.5
1280	3.702	3.605	34.633		49.8	2.68	27.4		0.35	27.535	32.145	36.652	41.057	45.363	1266.5
1391	3.373	3.270	34.651	3.79	53.0	2.64	28.3		0.48	27.581	32.200	36.716	41.129	45.443	1376.3
1485	3.101	2.993	34.662	3.95	41.4	2.62	21.1		0.45	27.616	32.242	36.765	41.185	45.506	1468.4
1632	2.869	2.751	34.703	4.18	51.5	2.54	25.7		0.44	27.671	32.303	36.832	41.258	45.584	1613.7
1886	2.591	2.455	34.799	4.88	35.3	2.14	18.0		0.49	27.773	32.413	36.949	41.382	45.715	1863.5


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
OXYGEN (ML/L)
2.
3.
4.
5.
6.
7.
8.

KN 104/5
49

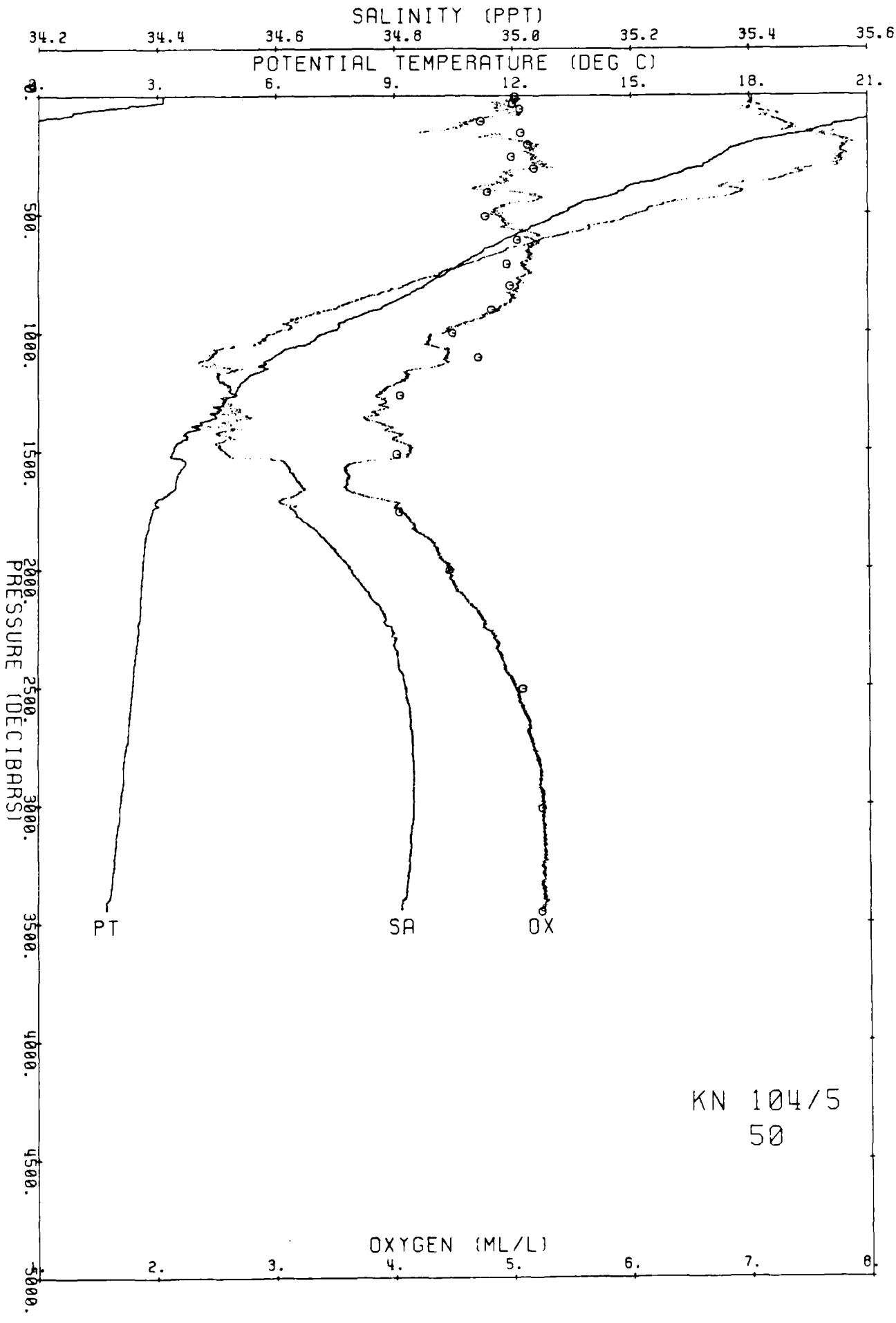

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
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5.7
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6.3
KN 104/5
49

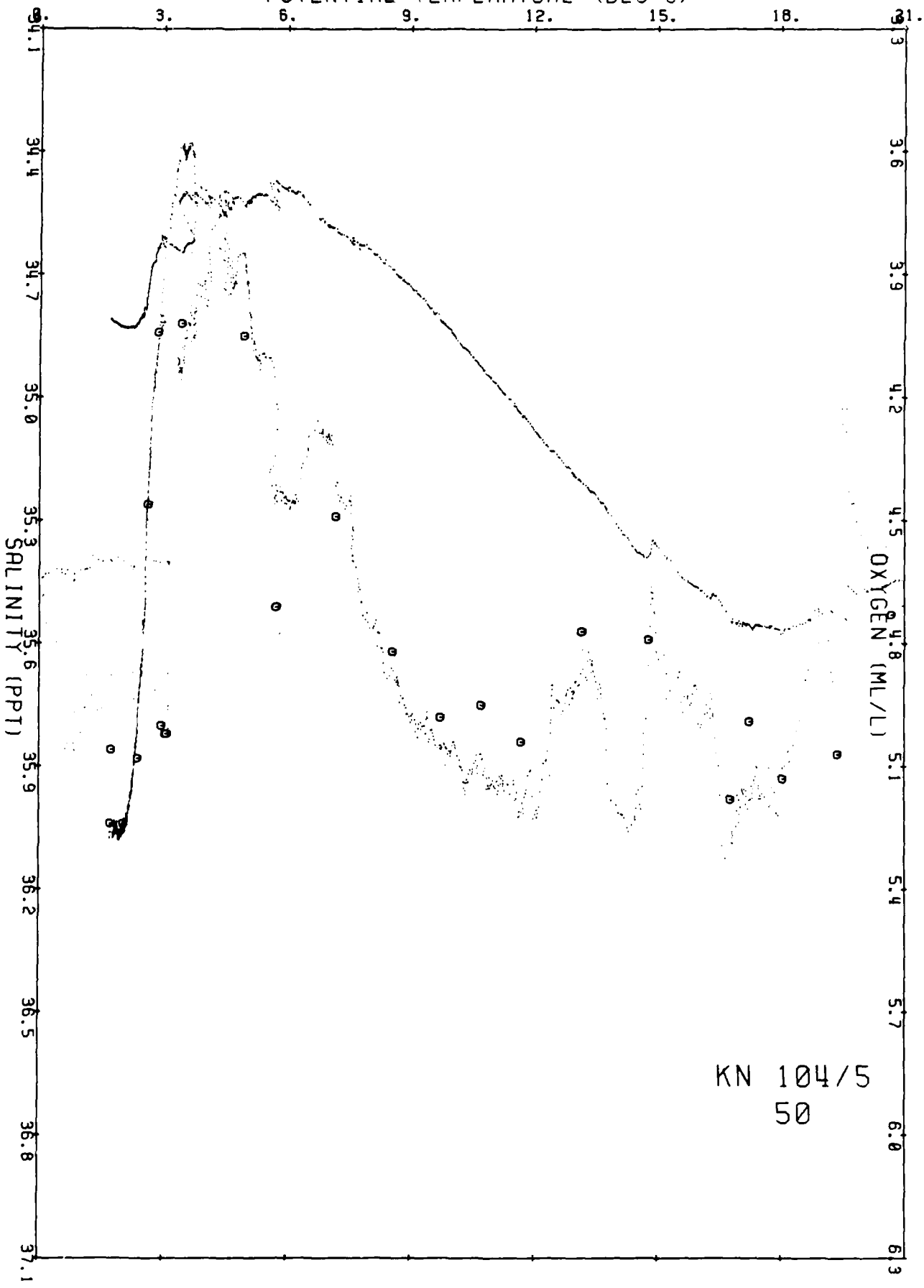

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
PT
SA
OX
OXYGEN (ML/L)
2.
3.
4.
5.
6.
7.
8.
KN 104/5
49

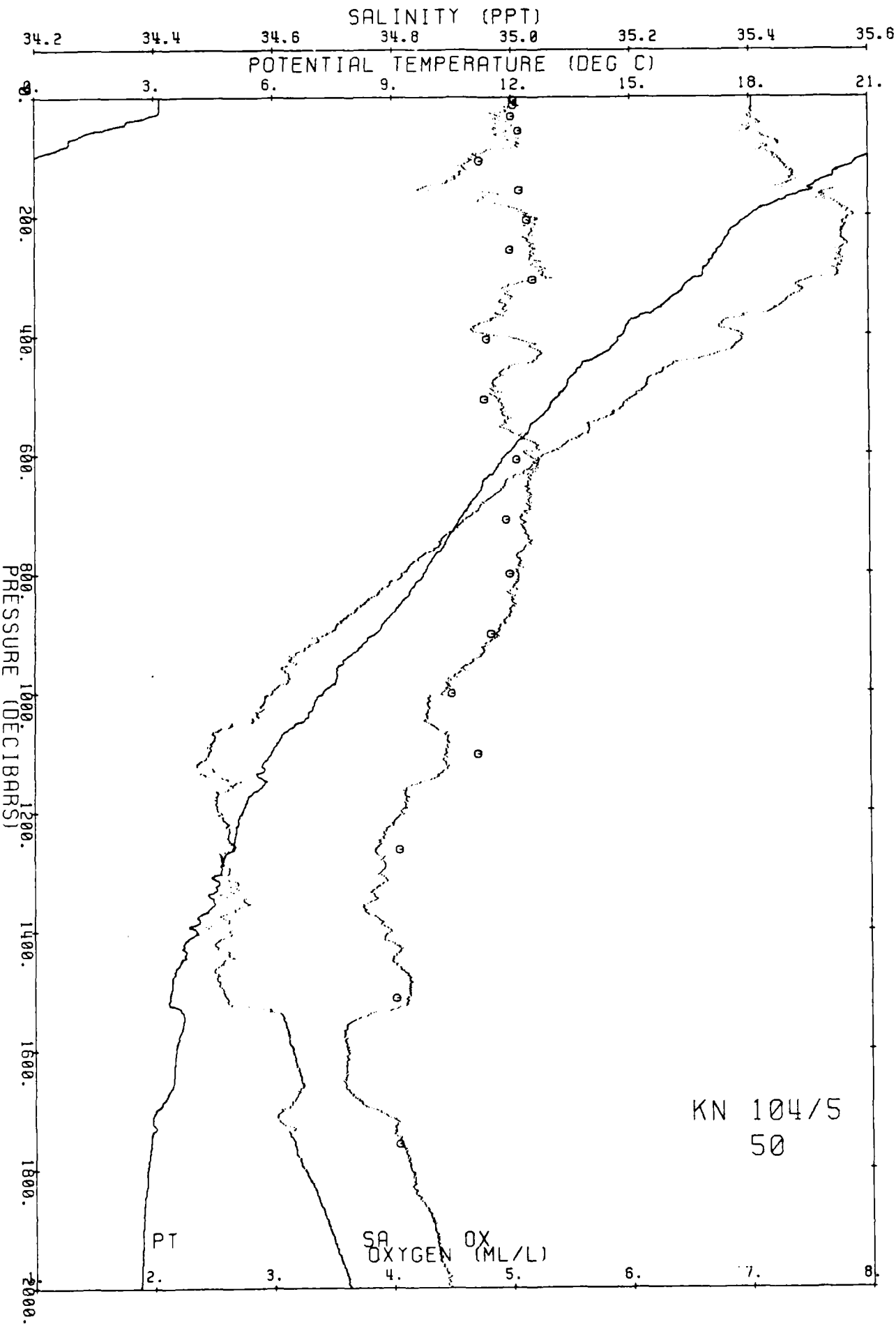
Ship KN Cruise 1045 Station 50 Cast 1 DT
Start 36 10.09 S 23 47.82 E at 452 83/12/ 1
End 36 9.22 S 23 50.09 E at 721

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	24.146	24.146	35.405	5.0	104.5	23.906	28.116	32.233	36.262	40.205	399.0	0.00	0.00	0.0
10	24.146	24.144	35.405	5.0	104.6	23.907	28.116	32.234	36.263	40.205	399.4	.04	.45	10.0
20	24.148	24.144	35.404	4.9	102.6	23.906	28.116	32.233	36.262	40.205	399.9	.08	.48	20.0
30	23.943	23.937	35.402	4.9	101.5	23.966	28.178	32.299	36.330	40.275	394.6	.12	4.34	30.0
40	23.325	23.317	35.412	4.9	101.7	24.156	28.377	32.505	36.545	40.498	376.9	.16	7.73	39.9
50	22.927	22.917	35.390	4.9	99.4	24.255	28.481	32.616	36.660	40.618	367.9	.20	5.58	49.9
60	22.317	22.305	35.386	4.9	99.7	24.427	28.662	32.805	36.857	40.823	351.9	.23	7.35	59.9
70	21.878	21.864	35.432	5.1	101.7	24.586	28.827	32.976	37.034	41.006	337.2	.27	7.07	69.9
80	21.869	21.854	35.449	5.0	101.3	24.602	28.843	32.991	37.050	41.022	336.1	.30	2.23	79.8
90	21.451	21.434	35.418	4.8	95.6	24.695	28.942	33.097	37.162	41.139	327.6	.33	5.42	89.8
100	20.977	20.958	35.447	4.7	93.1	24.847	29.102	33.263	37.334	41.318	313.4	.36	6.93	99.8
120	20.378	20.356	35.465	4.6	90.1	25.023	29.287	33.457	37.536	41.528	297.4	.43	5.27	119.7
140	19.870	19.844	35.479	4.5	87.2	25.170	29.441	33.619	37.705	41.704	284.2	.48	4.81	139.7
160	19.433	19.404	35.528	4.8	92.7	25.322	29.600	33.784	37.877	41.882	270.4	.54	4.90	159.6
180	18.643	18.611	35.549	4.9	92.6	25.541	29.831	34.028	38.132	42.148	250.2	.59	5.89	179.5
200	18.049	18.014	35.576	5.2	96.5	25.711	30.011	34.216	38.330	42.355	234.6	.64	5.19	199.5
220	17.674	17.636	35.558	5.2	96.2	25.790	30.097	34.308	38.428	42.458	227.7	.69	3.55	219.4
240	17.420	17.380	35.557	5.1	95.1	25.852	30.162	34.378	38.502	42.536	222.5	.73	3.13	239.3
260	17.231	17.188	35.555	5.2	95.1	25.896	30.210	34.429	38.556	42.593	218.9	.78	2.67	259.2
280	17.041	16.994	35.557	5.2	95.2	25.944	30.262	34.484	38.614	42.654	215.0	.82	2.77	279.1
300	16.880	16.830	35.550	5.3	96.3	25.978	30.298	34.523	38.655	42.698	212.4	86	2.32	299.0
320	16.396	16.344	35.483	4.9	89.5	26.041	30.370	34.603	38.744	42.795	206.9	.90	3.21	318.9
340	16.037	15.983	35.462	4.9	88.4	26.108	30.443	34.683	38.830	42.887	201.0	.94	3.29	338.8
360	15.651	15.595	35.437	4.9	88.3	26.177	30.519	34.766	38.920	42.983	194.9	98	3.35	358.7
380	15.013	14.955	35.353	4.7	83.3	26.255	30.609	34.868	39.033	43.107	187.8	1.02	3.59	378.6
400	14.859	14.798	35.387	4.9	85.3	26.316	30.673	34.934	39.101	43.177	182.6	1.06	3.11	398.5
450	13.841	13.776	35.271	5.0	86.1	26.444	30.821	35.101	39.287	43.382	171.2	1.15	2.93	448.2
500	13.275	13.204	35.210	4.8	82.1	26.515	30.903	35.194	39.391	43.496	165.4	1.23	2.18	497.9
550	12.544	12.470	35.129	4.9	82.2	26.599	31.002	35.308	39.518	43.636	158.2	1.31	2.40	547.6
600	11.952	11.873	35.057	5.1	84.6	26.658	31.074	35.392	39.614	43.743	153.3	1.39	2.04	597.2
650	11.349	11.266	34.989	5.1	83.8	26.71	31.147	35.477	39.712	43.853	148.1	1.47	2.07	646.9
700	10.864	10.777	34.933	5.1	82.6	26.764	31.203	35.544	39.788	43.938	144.4	1.54	1.81	696.5
750	10.402	10.311	34.879	5.2	82.2	26.804	31.253	35.604	39.858	44.017	141.1	1.61	1.72	746.2
800	9.881	9.787	34.816	5.1	79.7	26.845	31.306	35.667	39.932	44.103	137.6	1.68	1.76	795.8
900	8.686	8.587	34.689	4.9	74.7	26.940	31.428	35.817	40.107	44.302	128.5	1.81	1.92	894.9
1000	7.346	7.246	34.598	4.4	65.6	27.068	31.588	36.007	40.327	44.551	115.5	1.94	2.22	994.1
1100	6.056	5.954	34.492	4.5	64.3	27.157	31.709	36.158	40.509	44.761	105.6	2.05	1.95	1093.1
1200	5.310	5.206	34.511	4.1	57.6	27.264	31.834	36.301	40.669	44.938	94.9	2.15	1.99	1192.1
1300	4.770	4.661	34.524	3.9	54.6	27.337	31.920	36.401	40.781	45.063	87.7	2.24	1.67	1291.1
1400	4.155	4.043	34.525	4.0	54.8	27.404	32.004	36.500	40.895	45.192	80.4	2.32	1.66	1390.0
1500	3.532	3.419	34.515	4.1	56.0	27.459	32.075	36.587	40.998	45.310	74.0	2.40	1.56	1488.8
1600	3.652	3.528	34.630	3.6	49.2	27.540	32.152	36.661	41.068	45.376	67.9	2.47	1.53	1587.6
1700	3.151	3.025	34.613	3.9	51.9	27.574	32.200	36.722	41.142	45.462	63.4	2.53	1.33	1686.3
1800	2.940	2.807	34.651	4.1	55.4	27.624	32.256	36.783	41.208	45.534	58.6	2.60	1.36	1785.0
1900	2.832	2.692	34.691	4.3	57.9	27.666	32.301	36.831	41.259	45.587	54.9	2.65	1.21	1883.6
2000	2.788	2.639	34.727	4.5	59.4	27.700	32.335	36.866	41.296	45.624	52.3	2.71	1.05	1982.2
2100	2.751	2.594	34.757	4.6	60.7	27.728	32.364	36.896	41.326	45.656	50.2	2.76	.96	2080.8
2200	2.727	2.560	34.782	4.7	62.9	27.751	32.388	36.921	41.351	45.682	48.7	2.81	.87	2179.3
2300	2.677	2.502	34.800	4.8	64.5	27.770	32.409	36.943	41.375	45.707	47.3	2.85	.84	2277.7
2400	2.625	2.442	34.806	4.9	65.4	27.780	32.420	36.956	41.390	45.723	46.7	2.90	.65	2376.1
2500	2.576	2.384	34.819	5.0	66.6	27.795	32.437	36.974	41.409	45.744	45.6	2.95	.77	2474.4
2600	2.522	2.322	34.825	5.1	67.4	27.805	32.449	36.988	41.424	45.760	44.9	2.99	.66	2572.8
2700	2.484	2.275	34.828	5.1	67.9	27.812	32.456	36.996	41.434	45.771	44.7	3.04	.54	2671.0
2800	2.400	2.183	34.831	5.2	68.8	27.822	32.469	37.011	41.451	45.791	43.8	3.08	.72	2769.2
2900	2.369	2.143	34.831	5.2	69.0	27.825	32.473	37.017	41.458	45.798	43.9	3.13	.44	2867.4
3000	2.303	2.068	34.830	5.3	69.3	27.830	32.481	37.026	41.469	45.811	43.5	3.17	.59	2965.5
3200	2.201	1.948	34.827	5.3	69.4	27.837	32.491	37.040	41.486	45.832	43.1	3.26	.52	3161.6
3400	2.036	1.766	34.815	5.3	68.9	27.842	32.501	37.055	41.506	45.856	42.3	3.34	.57	3357.6
3444	2.000	1.726	34.811	5.2	68.5	27.842	32.502	37.057	41.509	45.860	42.2	3.36	.50	3400.7

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	24.091	24.090	35.401	5.02	5.0	0.16	1.1	0.01	0.45	23.920	28.130	32.249	36.278	40.221	4.1
13	24.062	24.059	35.399	5.02	3.7	0.16	0.7		0.56	23.928	28.138	32.257	36.287	40.231	13.1
32	23.968	23.961	35.400	5.00	5.1	0.16	1.6		0.65	23.957	28.170	32.290	36.321	40.266	31.8
57	22.764	22.752	35.405	5.06	5.6	0.17	0.9	0.13	1.22	24.314	28.542	32.679	36.726	40.686	56.5
107	20.700	20.680	35.470	4.73	4.6	0.28	2.6	0.13	0.41	24.940	29.199	33.364	37.439	41.426	106.4
157	19.406	19.378	35.532	5.07	5.6	0.22	2.0	0.02	0.48	25.332	29.610	33.795	37.888	41.893	155.4
207	18.083	18.047	35.578	5.13	3.8	0.28	2.0	0.01	0.29	25.704	30.004	34.209	38.322	42.346	204.9
257	17.296	17.253	35.558	4.99	3.5	0.36	2.5	0.01	0.43	25.883	30.196	34.414	38.540	42.576	254.8
307	16.830	16.779	35.553	5.18	5.2	0.37	4.0		0.34	25.992	30.313	34.539	38.672	42.716	304.0
407	14.841	14.779	35.380	4.79	6.3	0.65	7.8		1.12	26.314	30.672	34.933	39.101	43.178	403.0
508	13.228	13.156	35.210	4.77	7.7	0.87	11.2			26.525	30.914	35.206	39.403	43.509	503.2
609	11.760	11.680	35.035	5.04	6.0	0.99	10.6		0.68	26.678	31.097	35.419	39.645	43.778	603.5
710	10.805	10.717	34.927	4.95	10.2	1.18	15.1		0.38	26.770	31.210	35.552	39.798	43.949	703.2
801	9.827	9.733	34.809	4.98	10.3	1.32	17.8		0.49	26.849	31.311	35.674	39.939	44.111	793.4
902	8.667	8.568	34.688	4.82	11.7	1.54	14.8		0.49	26.943	31.431	35.820	40.111	44.306	893.4
1002	7.289	7.188	34.590	4.49	22.4	1.91	24.5		0.58	27.070	31.591	36.011	40.333	44.558	992.4
1103	5.841	5.741	34.469	4.71	26.0	2.14	26.3		0.81	27.166	31.723	36.178	40.533	44.790	1092.1
1263	5.059	4.951	34.522	4.05	40.3	2.36	30.6		0.54	27.302	31.878	36.352	40.726	45.001	1250.1
1513	3.547	3.432	34.528	4.02	40.1		24.3		0.77	27.468	32.083	36.596	41.006	45.317	1495.9
1757	3.002	2.872	34.633	4.04	37.1	2.56	20.0		1.30	27.604	32.234	36.760	41.184	45.507	1736.6
2007	2.789	2.640	34.722	4.46	44.2	2.33	24.6		0.47	27.696	32.331	36.862	41.292	45.620	1982.1
2508	2.575	2.382	34.814	5.08	35.9	2.04	19.0		0.54	27.791	32.433	36.971	41.406	45.740	2475.1
3014	2.291	2.055	34.829	5.24	51.3	1.96	25.0		0.47	27.831	32.481	37.027	41.471	45.813	2970.2
3451	2.007	1.732	34.810	5.24	55.6	2.04	24.3		0.94	27.841	32.500	37.055	41.507	45.858	3398.1


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
PT
SA
OX
KN 104/5
50
OXYGEN (ML/L)
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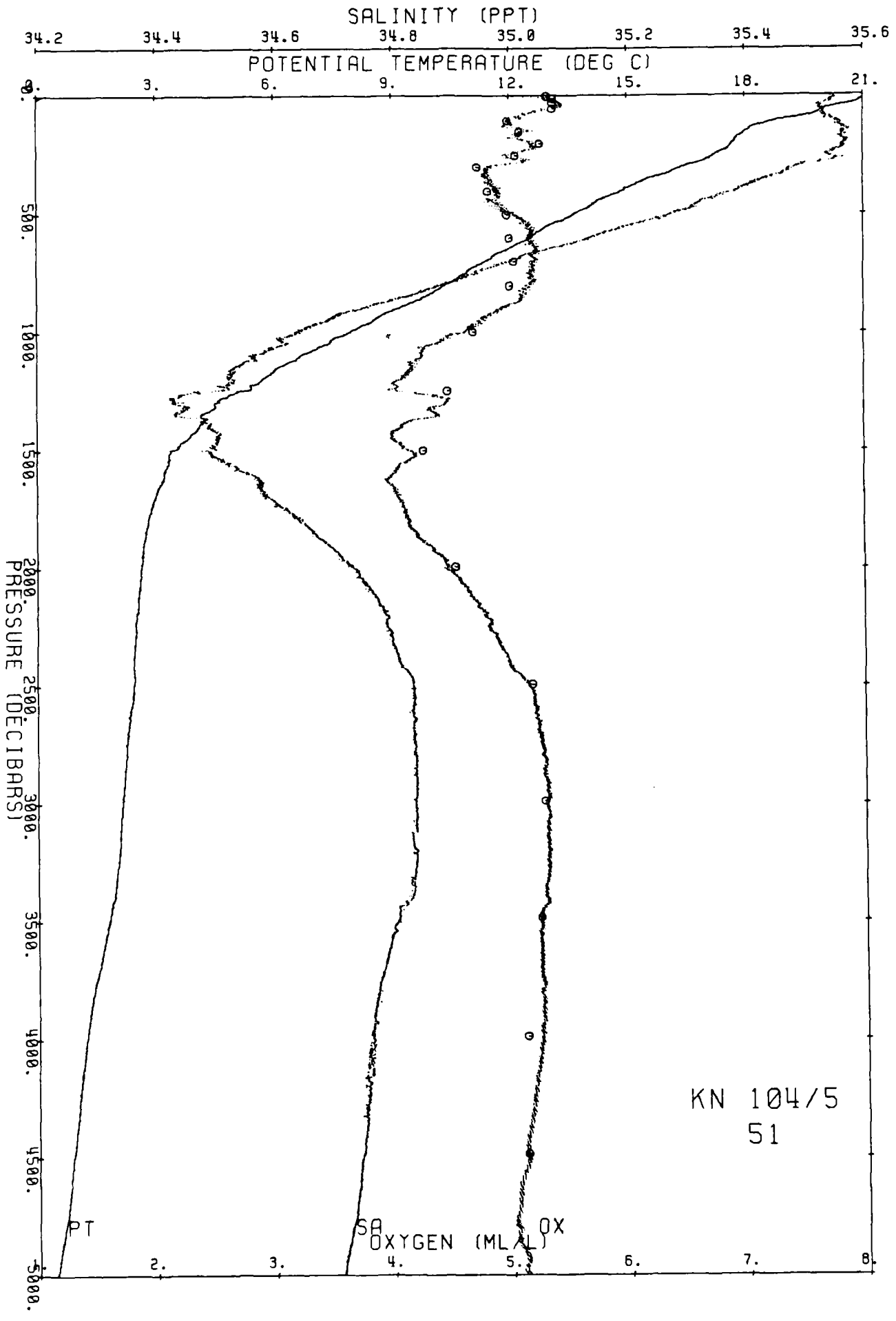

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
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15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
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4.5
4.8
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KN 104/5
50

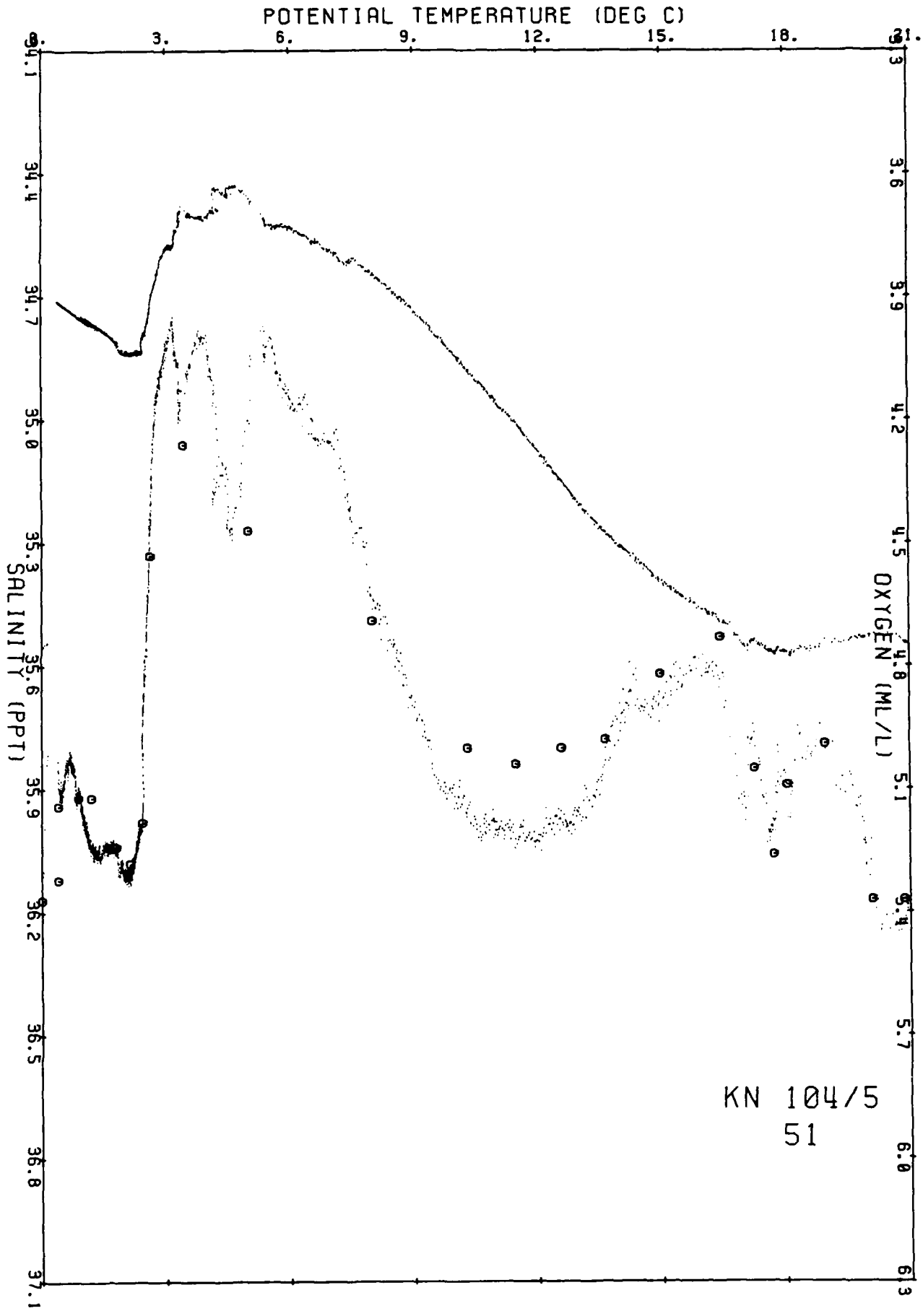

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
KN 104/5
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PT
SA
OX
OXYGEN (ML/L)
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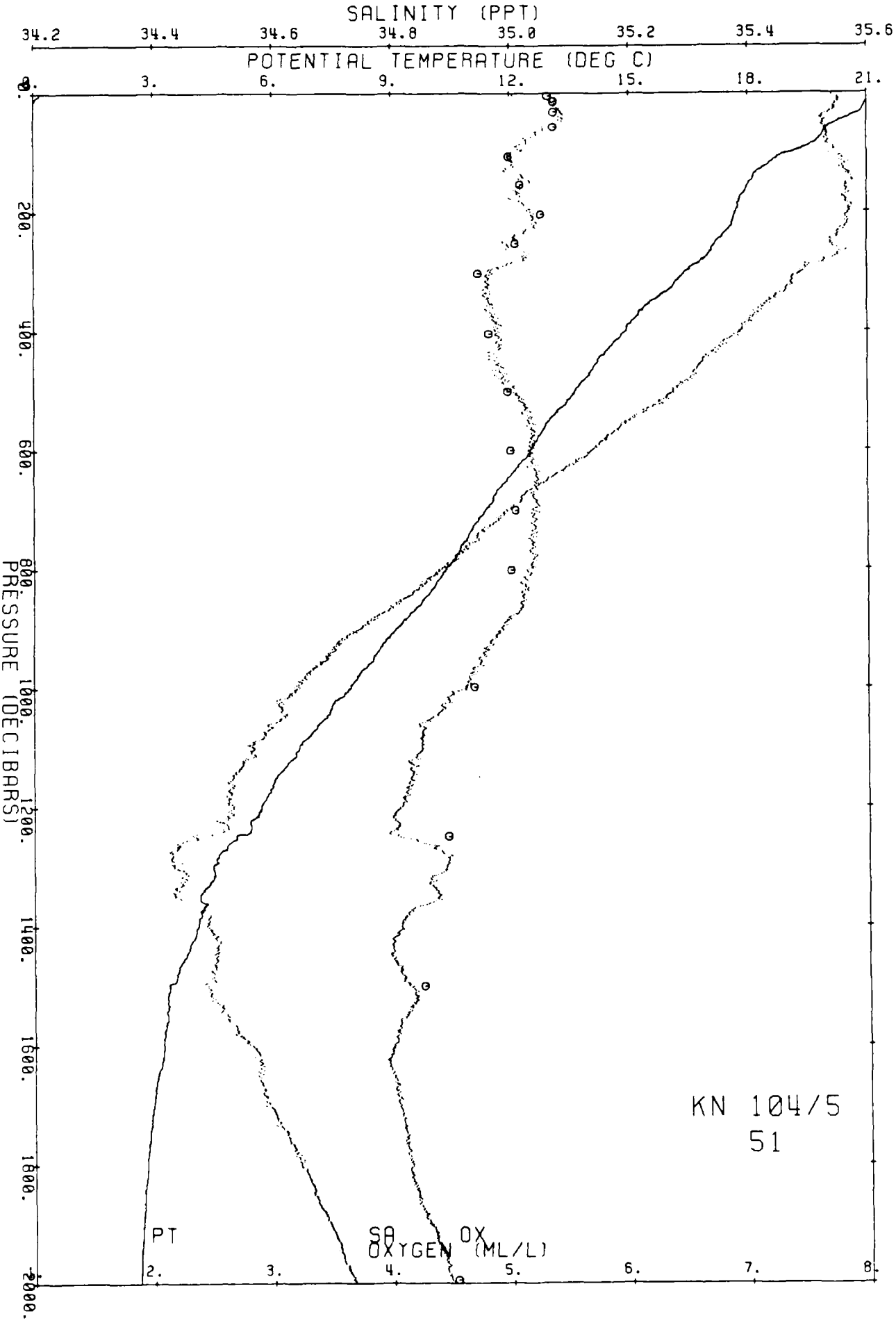
Ship KN Cruise 1045 Station 51 Cast 1 DT
Start 36 44.32 S 24 14.28 E at 1149 83/12/ 1
End 36 43.53 S 24 16.05 E at 1548

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	21.148	21.148	35.542	5.0	99.5	24.868	29.119	33.277	37.345	41.325	307.4	0.00	0 00	0.0
10	21.028	21.027	35.553	5.3	105.1	24.909	29.162	33.322	37.391	41.373	303.8	.03	3.61	10.0
20	20.945	20.942	35.547	5.4	106.4	24.928	29.182	33.343	37.414	41.397	302 5	.06	2 42	20.0
30	20.880	20.875	35.543	5.4	107.1	24.943	29.198	33.360	37.432	41.416	301.4	.09	2.18	29.9
40	20.575	20.568	35.526	5.4	106.2	25.013	29.273	33.440	37.516	41.504	295.2	.12	4.69	39.9
50	20.228	20 219	35.527	5.4	104.8	25.107	29.372	33.544	37.625	41.619	286.6	.15	5 44	49.9
60	19.968	19 957	35.531	5.3	102.6	25.179	29.449	33.624	37.709	41.706	280.1	.18	4.77	59.8
70	19.904	19.892	35.534	5.2	101.3	25.199	29.469	33.646	37.732	41.730	278.6	.21	2.49	69.8
80	19.778	19.763	35.537	5.1	99.1	25.235	29.508	33.686	37.774	41.773	275.6	.23	3.37	79.8
90	19.563	19.546	35.544	5.1	97.5	25.297	29.573	33.755	37.845	41.848	270.0	.26	4.42	89.8
100	19 176	19 158	35.547	5.0	95.4	25.400	29.682	33.869	37.966	41.974	260.6	.29	5.69	99.7
120	18.545	18 524	35.563	5.0	94.7	25.574	29.865	34.063	38.169	42.186	244.8	.34	5.23	119.7
140	18.177	18.153	35.573	5.1	95.9	25.674	29.972	34.175	38.287	42.309	235.9	.39	3.98	139.6
160	18.008	17.980	35.563	5.1	95.3	25.709	30.010	34.216	38.330	42.356	233 3	.43	2.36	159.5
180	17.835	17.805	35.564	5.1	94.9	25.753	30.057	34.266	38.383	42.411	229.8	.48	2.64	179.4
200	17.743	17.709	35.570	5.2	96.5	25.781	30.087	34.297	38.416	42.445	227.8	.53	2.11	199.3
220	17.635	17.598	35.567	5.2	96.8	25.806	30.113	34.326	38.446	42.477	226.1	.57	1 99	219.3
240	17.410	17.369	35.547	5.0	93.2	25.847	30.158	34.374	38 498	42.532	223.0	62	2.54	239.2
260	17.148	17.105	35.551	5.0	91.6	25.913	30.229	34.449	38.577	42.616	217.3	.66	3.26	259.1
280	16.911	16.865	35.529	5.1	93.9	25.953	30.273	34.498	38.630	42.672	214.0	.70	2.55	279.0
300	16.469	16.421	35.493	4.8	87.8	26.030	30.358	34.590	38.730	42.779	207.2	.74	3.52	298.9
320	16.201	16.149	35.472	4.8	87.0	26.077	30.410	34.647	38.791	42.845	203.3	.79	2.75	318.8
340	15.847	15.793	35.448	4.8	85.7	26.141	30.479	34.722	38.873	42.932	197.8	.83	3.20	338.7
360	15.446	15.390	35.425	4.9	86.5	26.214	30.560	34.810	38 967	43.034	191.3	.87	3.45	358.6
380	15.200	15.141	35.403	4.8	85.7	26.252	30.603	34.858	39.019	43.090	188.2	.90	2.51	378.5
400	14.996	14.935	35.387	4.9	86.3	26.285	30.640	34.899	39.064	43.138	185.5	.94	2.33	398.4
450	14.284	14.218	35.325	4.9	85.1	26.393	30.761	35.033	39.211	43.297	176.4	1.03	2.66	448.1
500	13.724	13.652	35.274	5.0	85.8	26.472	30.852	35.134	39.322	43 419	169.9	1 12	2.30	497.8
550	13.057	12.980	35.202	5.2	87.2	26.554	30.947	35.242	39.443	43.552	163.0	1 20	2.36	547.5
600	12.588	12.506	35.137	5.1	86.2	26.598	31.000	35.305	39.515	43.632	159.7	1.28	1.76	597.1
650	12 010	11.924	35.062	5.2	86.5	26.653	31.067	35.384	39.605	43.733	155.2	1 36	1 97	646 8
700	11.461	11.371	34.993	5.2	84.9	26.703	31.129	35.457	39 689	43.828	151.0	1.44	1.91	696.4
750	10.992	10.898	34.947	5.2	83.7	26.753	31.190	35.527	39.769	43.917	146.8	1.51	1.90	746.1
800	10.458	10.360	34.879	5.1	82.0	26.796	31.244	35.593	39.846	44.005	143.1	1.58	1.80	795.7
900	9.207	9.105	34.746	4.9	76.5	26.903	31.379	35.756	40.035	44.219	133.0	1.72	2.02	894.8
1000	8.064	7.958	34.640	4.6	69.7	26.998	31.500	35.903	40.207	44.416	123.7	1 85	1 94	994.0
1100	6.769	6.662	34.569	4.2	62.3	27.126	31.659	36.092	40.425	44.662	110.3	1 97	2.24	1093.0
1200	5.810	5.702	34.533	4.1	58.2	27.221	31.779	36.234	40.590	44.848	100.3	2.07	1.96	1192.0
1300	4.605	4.498	34.434	4.5	62.1	27.283	31.872	36.357	40.742	45.029	92.1	2.17	1.77	1291.0
1400	4.216	4.104	34.492	4.1	56.2	27.371	31.970	36.465	40.859	45.154	83.6	2.26	1.78	1389.9
1500	3.494	3.381	34.493	4.2	56.4	27.445	32.062	36.576	40.988	45.300	75.1	2.34	1.77	1488.7
1600	3.356	3.235	34.563	4.0	54.1	27.515	32.135	36.652	41.067	45.383	69.0	2.41	1.52	1587.5
1700	3.114	2.988	34.586	4.1	54.6	27.556	32.183	36.706	41.127	45.449	64.9	2.47	1.27	1686.3
1800	2.954	2.821	34.644	4.2	55.6	27.617	32.248	36.776	41.201	45.526	59.3	2.54	1.46	1784.9
1900	2.836	2.695	34.692	4.3	57.4	27.667	32.301	36.831	41.259	45.587	54.9	2.59	1.31	1883.6
2000	2.773	2.625	34.736	4.4	59.2	27.708	32.344	36.875	41.305	45.634	51.5	2.65	1.17	1982.2
2100	2.722	2.566	34.766	4.6	61.9	27.737	32.374	36.907	41.338	45.668	49.2	2.70	1.00	2080.7
2200	2.681	2.516	34.789	4.8	63 7	27.760	32.398	36.932	41.364	45.695	47.5	2.75	.88	2179.2
2300	2.643	2.469	34.799	4.9	65.0	27.772	32.412	36.947	41.380	45.712	46.9	2.79	.68	2277.6
2400	2.619	2.436	34.810	5.0	66.3	27.784	32.424	36.960	41.394	45.727	46.3	2.84	.65	2376.0
2500	2.630	2 438	34.835	5.2	68.6	27.804	32.444	36.979	41.413	45.746	45.2	2.89	.77	2474.4
2600	2.547	2.346	34.832	5.2	69.3	27.809	32.451	36.990	41.425	45.761	44.8	2.93	.60	2572.7
2700	2.491	2.282	34.837	5.2	69.4	27.818	32.463	37.002	41.440	45.777	44.2	2.97	.65	2671.0
2800	2.448	2.230	34.838	5.3	69.9	27.823	32.469	37.010	41.449	45.787	44.0	3.02	.53	2769.2
2900	2.412	2.184	34.839	5.3	70.2	27.828	32.475	37.017	41.457	45.797	43.9	3.06	.50	2867.3
3000	2.368	2.131	34.838	5.3	70.0	27.832	32.480	37.024	41.465	45.806	43.8	3.11	.49	2965.5
3200	2.300	2.045	34.839	5.3	70.0	27.839	32.490	37.036	41.480	45.823	43.7	3.19	.48	3161.6
3400	2.181	1.908	34.831	5.3	69.5	27.844	32.499	37.049	41.496	45.842	43.3	3.28	.51	3357.5
3600	1.940	1.651	34.794	5.2	68.3	27.834	32.496	37.054	41.508	45.861	43.1	3.37	.49	3553.3
3800	1.689	1.386	34.773	5.3	68.1	27.837	32.506	37.071	41.533	45.893	41.3	3.45	.68	3748.9
4000	1.518	1.198	34.765	5.2	67.7	27.843	32.519	37.089	41.556	45.920	39.8	3.53	.65	3944.3
4200	1.399	1.060	34.756	5.2	66.7	27.846	32.525	37.099	41.570	45.938	39.1	3.61	.52	4139.5
4400	1.295	.938	34.750	5.1	65.8	27.849	32.532	37.109	41.583	45.955	38.3	3.69	.53	4334.6
4600	1.183	.806	34.741	5.1	64.9	27.850	32.537	37.118	41.596	45.971	37.5	3.77	.52	4529.5
4800	1.040	.644	34.728	5.1	64.5	27.850	32.542	37.128	41.610	45.990	36.3	3.84	.57	4724.2
5000	.852	.440	34.713	5.1	64.8	27.850	32.548	37.140	41.628	46.013	34.4	3.91	.66	4918.8
5058	.816	.398	34.709	5.0	63.8	27.849	32.548	37.142	41.631	46.017	34.1	3.93	.53	4975.2

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	21.399	21.398	35.570	5.32	3.6	0.14	0.7	0.01	0.50	24.820	29.067	33.222	37.286	41.263	4.3
14	21.005	21.002	35.554	5.37	4.6	0.13	0.9		0.45	24.916	29.170	33.330	37.400	41.382	13.7
32	20.855	20 849	35.563	5.37	4.9	0.12	1.1		0.41	24.965	29.221	33.383	37.455	41.439	31.4
56	20.091	20.081	35.534	5.37	4.9	0.11	1.4		0.33	25.149	29.417	33.590	37.673	41.669	55.9
106	18.969	18.950	35.555	4.99	5.1	0.24	2.3	0.07	0.34	25.459	29.744	33.935	38.035	42.046	105.2
153	18.052	18.025	35.574	5.09	4.6	0.26	2.6	0.02	0.36	25.707	30.006	34.212	38.325	42.350	152.2
204	17.733	17.698	35.580	5.26	4.5	0.25	2.5	0.02	0.37	25.792	30.097	34.308	38.426	42.456	201.9
253	17.279	17.237	35.567	5.05	4.5	0.33	3.3	0.02	0.35	25.894	30.207	34.425	38.551	42.588	250.5
303	16 472	16.423	35.496	4.73	4.3	0.56	4.6		0.51	26.032	30.360	34.592	38.731	42.781	300.0
403	15 031	14.969	35.400	4.82	7.2	0.60	7.2		0.41	26.288	30.642	34.900	39.064	43.138	399.9
501	13.703	13.631	35.279	4.98	5.0	0.74	6.7		1.50	26.481	30.860	35.143	39.332	43.429	496.6
600	12.657	12.575	35.151	5.00	5.3	0.86	8.2		0.35	26.595	30.996	35.300	39.508	43.624	594.9
701	11.556	11.465	35.011	5.04	6.7	0.95	8.2		0.66	26.699	31.123	35.449	39.680	43 817	694.1
802	10 397	10 299	34.875	5.00	8.5	1.20	11.9		0.40	26.803	31.253	35.603	39.857	44 017	793.9
997	8 097	7.991	34.643	4.69	13.9	1.71	18.3		0.32	26.995	31.497	35.899	40.203	44.410	987.6
1248	5.109	5.002	34.467	4.47	33.9	2 31	28.8		0.40	27.253	31.828	36.301	40 674	44.948	1235.4
1500	3.550	3.436	34.483	4.26	36.4	2.58	23.3		0.32	27.432	32.047	36.560	40.971	45.282	1483.3
1995	2.771	2.623	34.737	4.53	43.2	2.28	22.2		0.36	27.709	32.345	36.876	41.306	45.635	1970.6
2493	2 619	2.427	34.834	5.18	40.0	1.96	20.5		0.74	27.804	32.444	36.980	41.414	45.747	2460.3
2988	2.378	2.142	34.842	5.28	48.3	1.93	22.6		0.38	27.834	32.482	37.026	41.467	45.807	2945.5
3484	2.071	1.791	34.820	5.24	43.6	2.01	17.6		0.38	27.844	32.502	37.056	41.506	45.855	3430.7
3988	1.515	1.196	34.771	5.12	58.8	2.22	22.0		0.50	27.848	32.524	37.094	41.561	45.925	3922.5
4487	1.250	0.884	34.751	5.12	44.6	2.31	17.1		0.51	27.853	32.538	37.117	41.592	45.965	4407.8
5063	0.816	0.397	34.712	5.14	60.4	2.44	22.6		0.30	27.852	32.551	37.144	41.633	46.020	4967.7


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
PT
SA
OX
OXYGEN (ML/L)
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3.
4.
5.
6.
7.
8.
KN 104/5
51

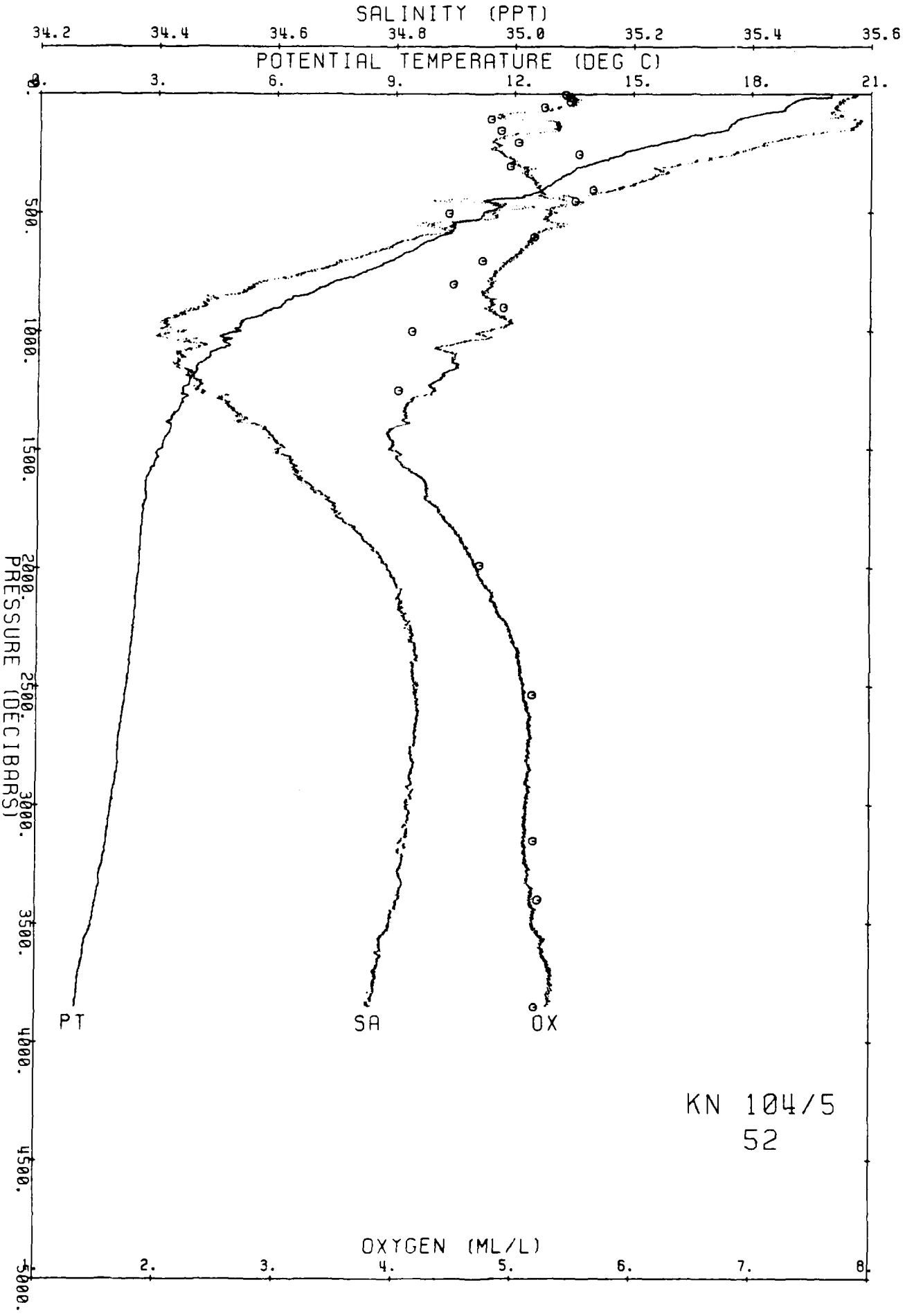

POTENTIAL TEMPERATURE (DEG C)
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3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
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34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
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4.5
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KN 104/5
51

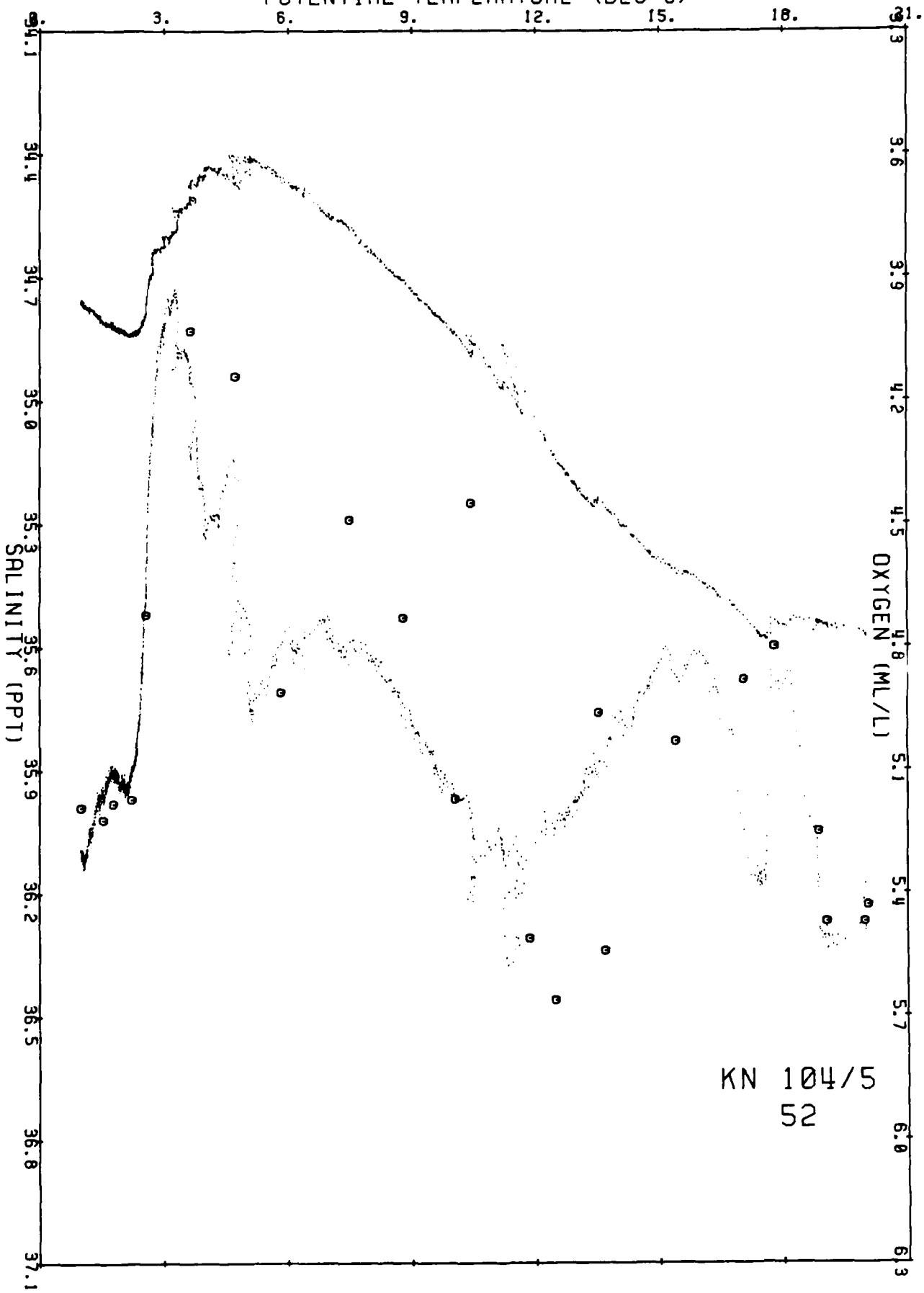

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
KN 104/5
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PT
SΘ
OX
OXYGEN (ML/L)
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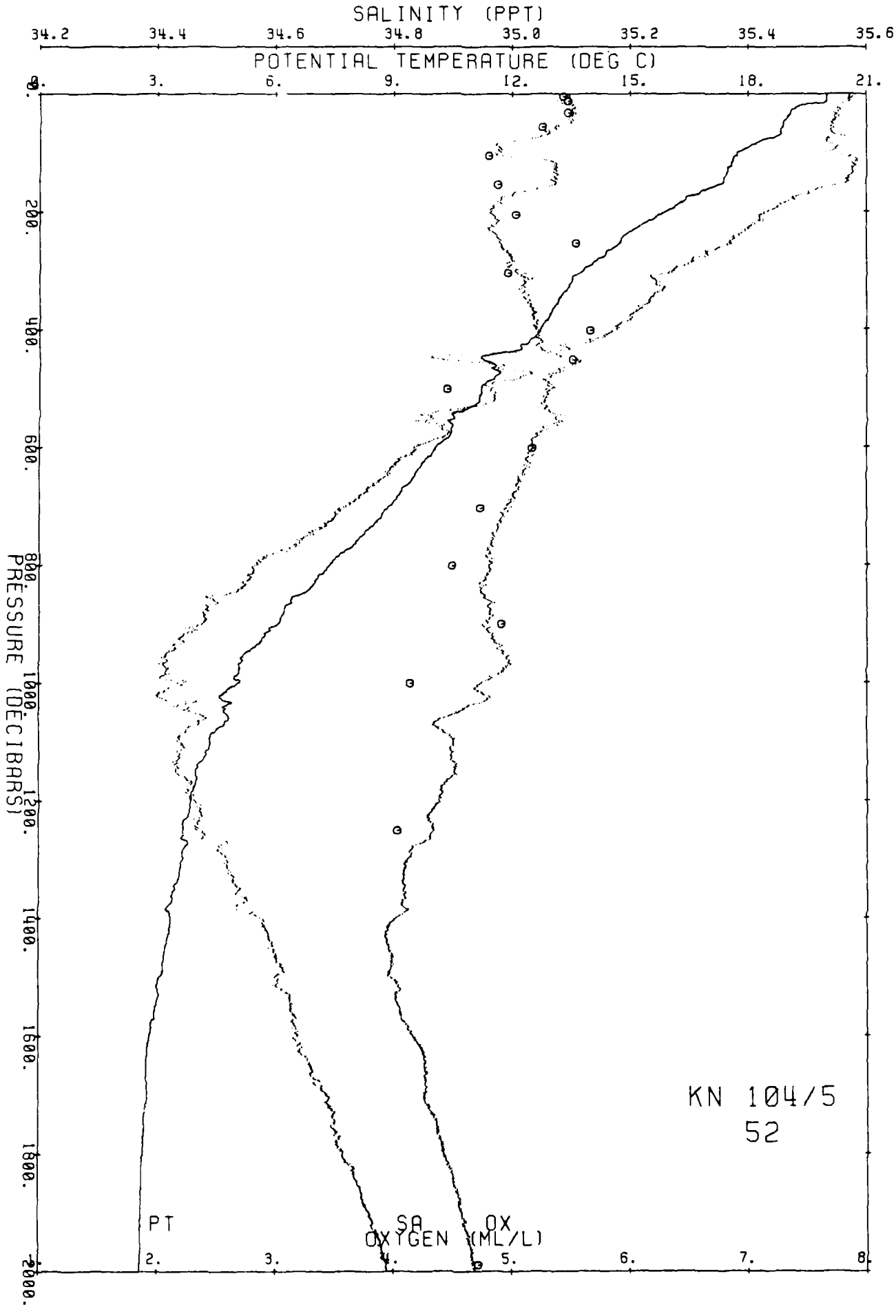
Ship KN Cruise 1045 Station 52 Cast 1 DT
Start 37 19.22 S 24 40.22 E at 2043 83/12/ 1
End 37 19.27 S 24 45.10 E at 3

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	20.006	20.006	35.572	5.5	106.6	25.198	29.466	33.641	37.725	41.721	275.9	0.00	0 00	0.0
10	20.008	20.007	35.572	5.5	106.7	25.198	29.466	33.641	37.725	41.721	276.4	03	23	10 0
20	19.327	19.323	35.559	5.5	105.6	25.366	29.646	33.831	37.925	41.930	260.7	05	7 28	19 9
30	19.092	19.087	35.552	5.5	105.1	25.422	29.705	33.894	37.991	42.000	255.8	08	4 18	29 9
40	19.016	19.009	35.547	5.5	105.1	25.438	29.722	33.912	38.011	42.021	254.6	11	2 25	39 9
50	18.900	18.891	35.541	5.5	104.4	25.464	29.750	33.942	38.042	42.054	252 6	13	2 84	49 9
60	18.844	18.834	35.539	5.4	102.2	25.477	29.764	33.957	38.058	42.071	251 7	16	2 03	59 8
70	18.829	18.817	35.554	5.3	100.6	25.493	29 780	33.973	38.074	42.087	250 6	18	2 23	69 8
80	18.340	18.327	35.533	5.0	94.3	25.600	29.895	34.096	38.205	42 226	240 7	21	5 82	79 8
90	18.059	18.043	35.550	4.9	91.4	25.684	29.983	34.189	38.302	42 327	233.1	23	5 13	89 7
100	17.732	17.715	35.534	4.9	91.3	25.752	30.058	34.268	38.387	42.416	226.9	25	4 66	99 7
120	17 592	17.572	35.580	5.4	99.8	25.823	30.130	34.343	38.463	42.495	220.9	30	3 32	119 6
140	17 433	17.409	35.569	5.4	99.1	25.854	30.164	34.379	38.502	42 536	218.7	34	2 22	139.5
160	17.081	17.055	35.525	5.2	96.4	25.905	30.222	34.443	38.572	42.612	214.4	38	2.87	159.4
180	16.441	16.412	35.478	4.9	89.0	26.021	30.349	34.581	38.721	42.771	204.0	43	4.29	179 4
200	15 941	15.909	35.433	4.8	86.6	26.102	30.439	34.681	38.829	42.887	196.8	47	3 61	199 3
220	15.409	15.375	35.410	4.9	86.5	26.206	30.552	34.803	38.960	43.027	187.5	51	4 06	219 2
240	14.912	14.876	35.383	4.9	85.6	26.295	30.651	34.911	39.077	43.152	179.4	54	3 79	239 1
260	14.669	14.630	35.356	4.9	86.1	26.328	30.689	34.953	39.123	43.203	176.8	58	2.31	259 0
280	14.264	14.223	35.307	5.0	86.7	26.378	30.746	35.018	39.196	43.282	172.5	61	2 85	278.9
300	13.858	13.815	35.273	5.0	86.4	26.438	30.814	35.093	39.279	43.372	167.3	65	3 12	298.8
320	13.560	13.514	35.250	5.1	87.5	26.482	30.864	35.150	39.340	43.439	163.5	68	2.70	318.7
340	13.335	13.287	35.236	5.1	87.0	26.518	30.905	35.194	39.389	43.492	160.5	71	2.42	338.6
360	13.143	13.093	35.221	5.2	87.4	26.546	30.936	35.230	39.428	43.535	158.3	74	2.14	358.5
380	12.989	12.936	35.202	5.2	87.5	26.563	30.956	35.253	39.454	43.564	157.2	78	1.68	378 3
400	12.789	12.734	35.178	5.2	87.5	26.585	30.982	35.283	39.488	43.601	155.6	81	1.91	398.2
450	11.297	11.241	34.874	5.5	89.5	26.634	31.064	35.395	39.631	43.773	151.0	88	1.99	447.9
500	11.293	11.230	34.966	5.4	87.2	26.708	31.137	35.468	39.703	43 845	145.3	96	2.14	497.6
550	10.575	10.508	34.861	5.4	85.8	26.756	31.201	35.547	39.797	43.953	141.2	1 03	1.88	547.3
600	10.132	10.061	34.834	5.2	82.1	26.812	31.267	35.623	39.882	44.047	136.5	1.10	1.97	596.9
650	9.595	9.521	34.786	5.1	79.2	26.866	31 333	35.700	39.971	44.147	131.8	1.17	1.96	646 6
700	8.951	8 874	34.714	5 0	77.1	26.915	31.396	35.778	40.062	44.252	127.4	1 23	1.91	696.2
750	8.280	8.200	34.654	4.8	73.7	26.972	31.469	35.866	40.165	44.369	121.9	1.29	2.07	745.8
800	7 436	7.356	34.568	4.8	71.5	27.029	31.546	35.963	40.281	44.502	116.0	1.35	2.12	795.4
900	6.147	6.065	34.476	4.8	69.3	27.131	31.679	36.127	40.474	44.725	105.5	1.46	2 00	894.6
1000	5.161	5.077	34.435	4.7	66.9	27.219	31.792	36.264	40.635	44.908	96.3	1.56	1.87	993 7
1100	4.421	4.334	34 433	4.5	62.4	27.300	31.893	36.383	40.772	45.062	87.9	1.66	1.78	1092.7
1200	3.937	3.845	34.462	4.4	60.1	27.374	31.979	36.482	40.882	45.184	80.6	1.74	1.66	1191.7
1300	3.757	3.658	34.518	4.1	56.2	27.438	32.047	36.554	40.959	45.264	75.0	1.82	1.47	1290.6
1400	3.453	3.349	34.574	4.0	54.6	27.512	32.130	36.644	41.056	45.369	67.9	1.89	1.63	1389.5
1500	3 169	3.060	34.599	4.0	53.5	27.560	32 185	36.706	41.125	45.445	63.3	1.95	1.34	1488.4
1600	2.930	2.814	34.638	4.2	55.7	27.613	32.244	36.772	41.197	45.522	58.2	2.02	1.40	1587.1
1700	2.877	2.753	34.687	4.3	57.0	27.658	32.290	36.819	41.245	45.572	54.6	2.07	1.20	1685.9
1800	2.780	2.649	34.715	4.4	59.0	27.689	32.324	36.856	41.285	45.613	51.9	2.13	1.06	1784.5
1900	2.731	2.592	34.759	4.6	61.0	27.729	32.366	36.898	41.328	45.658	48.7	2.18	1.15	1883.2
2000	2.714	2.567	34.789	4.7	62.5	27.756	32.392	36.925	41.356	4 686	46.8	2.22	.92	1981.7
2100	2.663	2.507	34.812	4.8	64.1	27.779	32.417	36.951	41.383	45.715	45.1	2.27	.91	2080.3
2200	2 632	2.468	34.815	4.9	64.9	27.785	32.424	36.959	41.392	45.725	45.0	2.31	.50	2178.8
2300	2 587	2.414	34.825	5.0	66.4	27.798	32.438	36.975	41.409	45.743	44.2	2.36	.70	2277.2
2400	2 527	2.346	34.830	5 0	66.9	27.807	32.450	36.988	41.424	45.759	43.6	2.40	.66	2375.6
2500	2 467	2 277	34 840	5.1	67.5	27.821	32.465	37.005	41.443	45.780	42.6	2.45	.75	2473.9
2600	2 381	2.183	34 840	5 1	67 8	27.829	32.476	37.018	41.458	45.798	41.9	2.49	.66	2572.2
2700	2 293	2 087	34 835	5 1	67.9	27.833	32.482	37.028	41.470	45.812	41.5	2.53	.58	2670.5
2800	2.261	2.047	34 829	5.1	67.5	27.831	32.482	37.028	41.472	45.815	42.0	2.57	.22	2768.7
2900	2 226	2 002	34 830	5.1	67.2	27.836	32.488	37.035	41.480	45.824	41.9	2 61	.49	2866.9
3000	2 133	1 902	34 822	5.1	67.2	27.837	32.492	37.042	41.490	45 836	41.6	2 66	.55	2965.0
3200	1 987	1 739	34 807	5 1	66.7	27.838	32 497	37.052	41.504	45.855	41 3	2 74	.48	3161.1
3400	1 790	1.526	34 809	5 2	67.1	27.855	32.521	37.082	41.539	45.895	39.0	2 82	.75	3357.0
3600	1 499	1 222	34 777	5 2	67 8	27 851	32 526	37.095	41.561	45.925	37.6	2.89	.63	3552.8
3800	1 345	1 051	34 766	5 3	68.3	27.854	32.534	37.108	41.579	45 947	36 5	2.97	.56	3748.4
3849	1 298	1 001	34 760	5 3	58.0	27.853	32.534	37.110	41.582	45.952	36.3	2.99	.50	3796.3

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	20 049	20 048	35.569	5.43	5.1	0.14	0.8	0.01	0.31	25.184	29.452	33.626	37.710	41.705	4.2
13	19 970	19 968	35 567	5.47	3.3	0.12	0.6		0.31	25.204	29.473	33.648	37.733	41.729	12.4
32	19 049	19 043	35 546	5.47	3.7	0.14	0.6		0.25	25.429	29.712	33.902	38.000	42.010	31.5
57	18 859	18 849	35 549	5.25	5.3	0.18	1.3	0.16	0.32	25.481	29.767	33.960	38.061	42.074	56.3
106	17 793	17 775	35 537	4.80	6.7	0.36	3.3	0.04	0.20	25.740	30.044	34.254	38.372	42.400	105.0
155	17 064	17 038	35 539	4 88	5.8	0.39	4 5	0.02	0.30	25.920	30.237	34.458	38.587	42.627	153.6
205	15 431	15 399	35 339	5.03	6.5	0 52	4 7	0.23	0.31	26.146	30.492	34.743	38.900	42.967	203.7
255	13 703	13 667	35 150	5.54	6.1	0.57	4 6	0.12	0.20	26.374	30.753	35.036	39.225	43.322	252.4
306	13 561	13 518	35 253	4.96	5.3	0.70	7 1	0.01	0.24	26.484	30.866	35.151	39.342	43.441	302.9
403	12 517	12 462	35 140	5.66	6.0	0.82	10.0		0.30	26.609	31.012	35.318	39.528	43.647	399.9
452	11 896	11 837	35 059	5.51	8.2	0 91	11 8		0.20	26.667	31.083	35.401	39.624	43.754	447.7
502	10 490	10 429	34 804	4.45	6.6	1.00	14.0		0.20	26.725	31.172	35.521	39.773	43.931	497.7
602	10 104	10 032	34 829	5.17	8.1	1.23	8 3		0.26	26.813	31.269	35.625	39.885	44.051	596.5
703	8 865	8 787	34 707	4.73	10.5	1.47	12 9		0 28	26.923	31.407	35.790	40.076	44.267	696.8
802	7 570	7 489	34 585	4.49	15.3	1.74	21 5		0 22	27.023	31.537	35.951	40.266	44.484	794.2
901	5 909	5 828	34 453	4.91	17.7	2.01	18 7		0.58	27.142	31.697	36.150	40.504	44.759	892.2
1001	4 808	4 726	34 395	4.14	27.4	2.22	28 9		0 20	27.227	31.810	36.290	40.670	44.951	991.1
1251	3 745	3 650	34 471	4.03	42.4	2.53	31 7		0 38	27.401	32.011	36.518	40.924	45.230	1238.0
1502	3 193	3 083	34 608		50.3	2.60	27 3		0 32	27.565	32 189	36.710	41.128	45.447	1485.7
1989	2 727	2 580	34 772	4.72	48.4	2.18	25 2		0 26	27.741	32 378	36.910	41.340	45.670	1964.4
2537	2 416	2 224	34 821	5.17	44.7	1.99	21 7		0 30	27.810	32.456	36.998	41.437	45.775	2502.7
3152	2 028	1 784	34 807	5.18	45.8	2.03	18 7		0.40	27 834	32 493	37 046	41.497	45.847	3105.5
3402	1 805	1 541	34 795	5.22	67.6	2 05	26 3		0 29	27 843	32 508	37.069	41.526	45.882	3349.4
3854	1 305	1 007	34 751	5.19	55 6	2.24	19 0		0 33	27 845	32 526	37.102	41 574	45.944	3790.7


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
PT
SA
OX
KN 104/5
52
OXYGEN (ML/L)
2.
3.
4.
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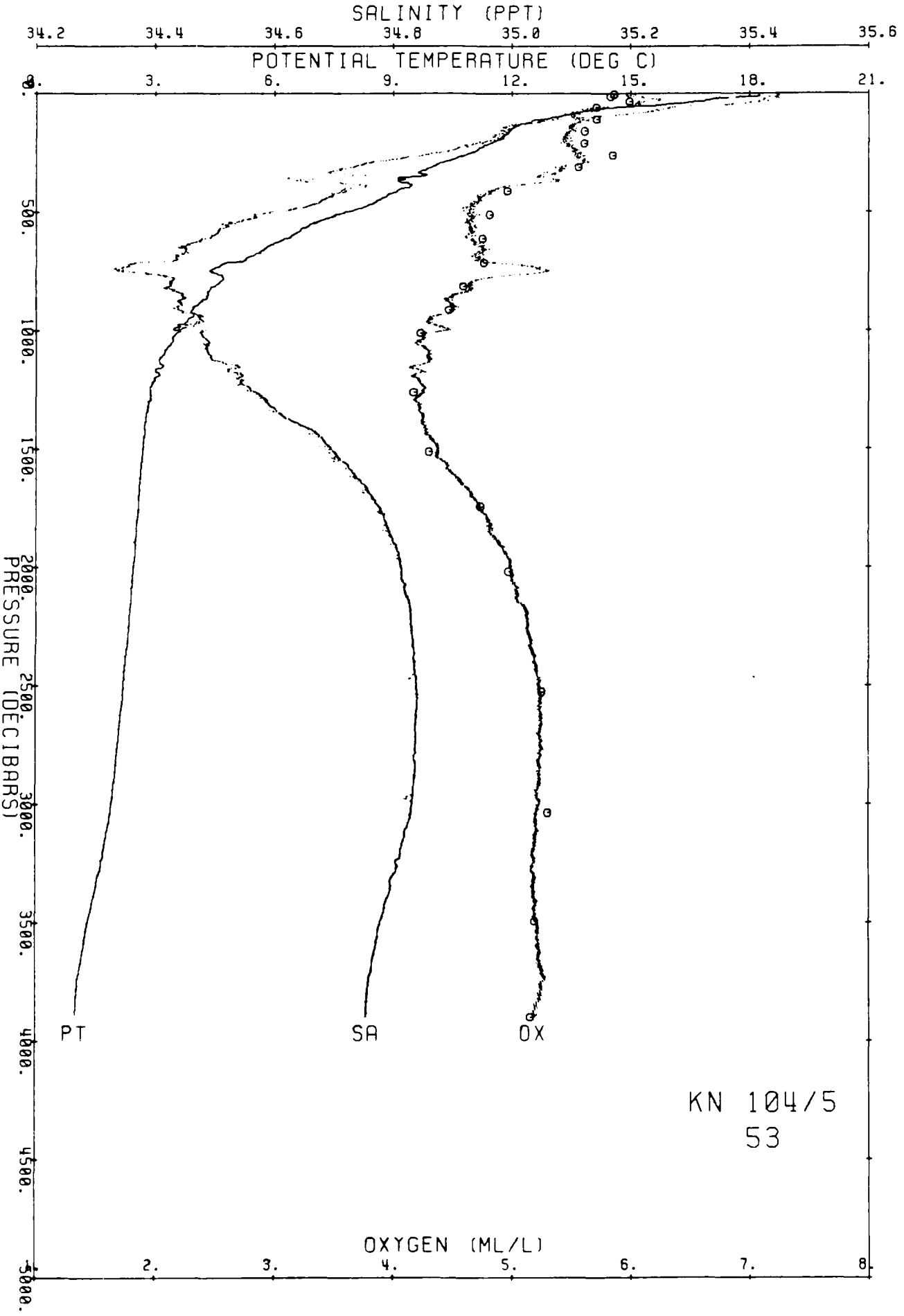

POTENTIAL TEMPERATURE (DEG C)
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3.
6.
9.
12.
15.
18.
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SALINITY (PPT)
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34.7
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35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
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52

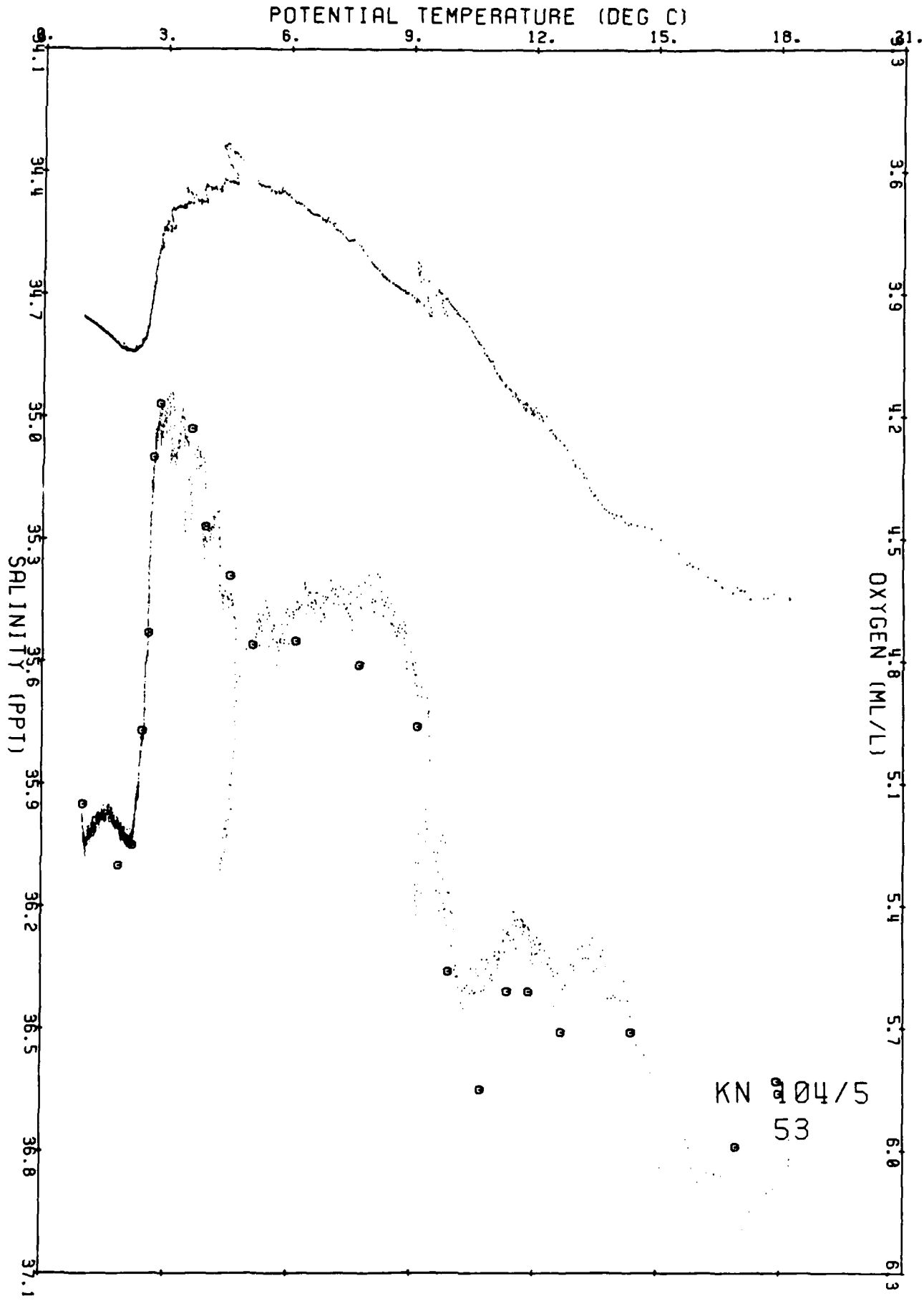

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
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52
PT
SA
OX
OXYGEN (ML/L)
2.
3.
4.
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7.
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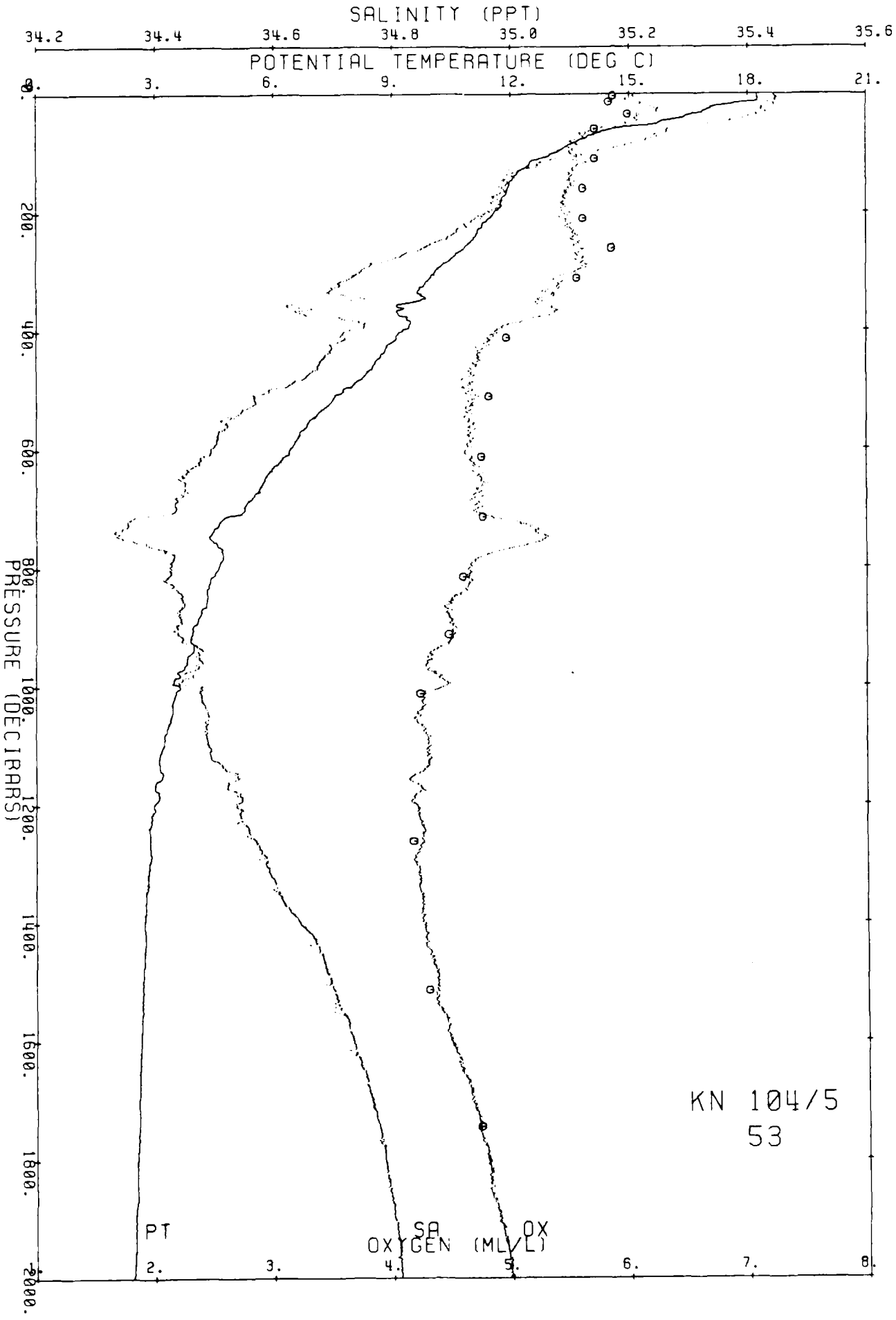
Ship KN Cruise 1045 Station 53 Cast 1 DT
Start 37 54.32 S 25 4.67 E at 358 83/12/ 2
End 37 53.38 S 25 3.73 E at 640

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	18.238	18.238	35.444	6.0	113.4	25.554	29.851	34.054	38.165	42.187	242.1	0.00	0.00	0 0
10	18.253	18.252	35.446	6.0	112.2	25.552	29.849	34.052	38.163	42.185	242.6	.02	.75	10 0
20	17.281	17.278	35.446	6.1	113.4	25.791	30.104	34.323	38.449	42.485	220.3	.05	8 66	19 9
30	16.876	16.871	35.430	6.2	114.1	25.876	30.196	34.421	38.554	42.597	212.5	.07	5 17	29 9
40	16.415	16.409	35.400	6.1	109.8	25.962	30.290	34.523	38.663	42.714	204.7	.09	5 19	39 9
50	15.743	15.735	35.362	6.0	106.8	26.087	30.428	34.673	38.824	42.886	193.1	.11	6 29	49 8
60	14.528	14.519	35.266	5.7	100.1	26.283	30.646	34.913	39.085	43.167	174.7	.13	7 85	59 8
70	14.015	14.005	35.242	5.6	97.1	26.374	30.747	35.023	39.205	43.296	166.3	.15	5 36	69 8
80	13.711	13.700	35.225	5.5	94.5	26.425	30.803	35.085	39.273	43.369	161.8	.16	4.00	79 7
90	13.402	13.390	35.181	5.5	93.6	26.455	30.840	35.127	39.321	43.423	159.2	.18	3 09	89 7
100	13.113	13.100	35.126	5.5	93.2	26.471	30.862	35.156	39.355	43.462	157.9	.19	2.31	99 6
120	12.501	12.485	35.045	5.6	92.9	26.531	30.934	35.240	39.451	43.569	152.7	.22	3 09	119 5
140	12.118	12.100	34.990	5.5	90.7	26.563	30.974	35.288	39.506	43.632	150.1	.25	2.28	139 4
160	11.953	11.932	34.989	5.5	91.3	26.594	31.009	35.326	39.548	43.676	147.6	.28	2.23	159 3
180	11.808	11.785	34.982	5.4	89.6	26.617	31.034	35.354	39.579	43.710	146.0	.31	1.90	179 2
200	11.609	11.583	34.958	5.5	90.2	26.636	31.058	35.382	39.611	43.746	144.6	.34	1.78	199 2
220	11.304	11.277	34.923	5.5	89.3	26.666	31.094	35.425	39.659	43.800	142.2	.37	2.20	219 0
240	11.149	11.119	34.900	5.5	89.7	26.677	31.109	35.442	39.680	43.825	141.5	.40	1.36	238 9
260	10.846	10.814	34.850	5.6	90.1	26.693	31.132	35.472	39.716	43.866	140.4	.43	1.67	258 8
280	10.512	10.478	34.794	5.6	88.8	26.709	31.155	35.502	39.753	43.911	139.1	.46	1.68	278 7
300	10.141	10.106	34.747	5.5	87.9	26.737	31.191	35.547	39.805	43.970	136.7	.48	2.18	298 6
320	9.884	9.848	34.710	5.4	85.2	26.752	31.212	35.573	39.838	44.008	135.6	.51	1.63	318 5
340	9.763	9.724	34.721	5.4	84.4	26.781	31.244	35.608	39.875	44.047	133.2	.54	2.18	338 4
360	9.224	9.184	34.643	5.3	83.0	26.809	31.285	35.660	39.939	44.122	130.5	.56	2.25	358 3
380	9.407	9.364	34.716	5.2	80.5	26.837	31.308	35.679	39.953	44.133	128.5	.59	2.02	378 2
400	9.308	9.264	34.725	4.9	75.7	26.861	31.333	35.707	39.983	44.164	126.6	.62	1.95	398 0
450	8.642	8.594	34.680	4.7	72.5	26.932	31.420	35.808	40.099	44.294	120.3	.68	2.21	447 7
500	7.805	7.755	34.591	4.7	70.1	26.989	31.497	35.905	40.214	44.427	115.0	.74	2.04	497 4
550	6.973	6.921	34.511	4.6	68.5	27.045	31.573	36.000	40.328	44.559	109.6	.79	2.03	547 0
600	6.470	6.415	34.495	4.6	67.3	27.100	31.640	36.079	40.419	44.661	104.5	.85	1.98	596 7
650	5.841	5.785	34.443	4.8	68.1	27.140	31.696	36.150	40.504	44.761	100.5	.90	1.76	646 3
700	5.337	5.279	34.436	4.7	66.6	27.196	31.764	36.231	40.597	44.865	95.1	.95	2.01	695 9
750	4.478	4.421	34.346	5.3	73.4	27.222	31.813	36.301	40.689	44.978	91.7	.99	1.63	745 5
800	4.659	4.596	34.428	4.6	64.6	27.268	31.854	36.337	40.720	45.004	88.3	1.04	1.62	795 1
900	4.024	3.956	34.438	4.5	62.0	27.344	31.946	36.446	40.844	45.143	80.9	1.12	1.68	894 2
1000	3.699	3.626	34.479	4.4	60.5	27.410	32.021	36.528	40.934	45.241	74.8	1.20	1.52	993 3
1100	3.300	3.222	34.490	4.3	58.2	27.458	32.079	36.597	41.013	45.329	70.2	1.27	1.36	1092 3
1200	3.056	2.972	34.538	4.2	56.3	27.519	32.147	36.671	41.093	45.415	64.5	1.34	1.46	1191 3
1300	2.941	2.850	34.586	4.2	56.1	27.568	32.199	36.726	41.151	45.476	60.3	1.40	1.28	1290 2
1400	2.835	2.737	34.644	4.3	57.0	27.625	32.258	36.787	41.215	45.542	55.4	1.46	1.36	1389 1
1500	2.796	2.691	34.695	4.4	58.3	27.670	32.304	36.834	41.262	45.590	51.8	1.51	1.20	1487 9
1600	2.748	2.635	34.732	4.5	59.8	27.704	32.340	36.871	41.300	45.629	49.1	1.56	1.06	1586 7
1700	2.712	2.590	34.763	4.7	62.2	27.733	32.369	36.901	41.332	45.661	46.9	1.61	.97	1685 4
1800	2.672	2.543	34.785	4.8	63.9	27.755	32.392	36.925	41.357	45.687	45.4	1.66	.86	1784 1
1900	2.637	2.499	34.802	4.9	65.0	27.772	32.410	36.945	41.377	45.709	44.3	1.70	.77	1882 7
2000	2.602	2.456	34.812	5.0	66.2	27.784	32.423	36.959	41.392	45.725	43.7	1.75	.66	1981 3
2100	2.556	2.401	34.820	5.0	66.9	27.795	32.436	36.973	41.407	45.741	43.1	1.79	.66	2079 8
2200	2.520	2.357	34.829	5.1	67.7	27.806	32.448	36.986	41.421	45.756	42.5	1.83	.64	2178 3
2300	2.487	2.315	34.832	5.1	68.1	27.812	32.455	36.994	41.431	45.767	42.4	1.88	.51	2276 7
2400	2.447	2.267	34.838	5.2	68.8	27.820	32.465	37.005	41.443	45.780	41.9	1.92	.61	2375.1
2500	2.404	2.215	34.839	5.2	69.0	27.825	32.472	37.013	41.452	45.791	41.8	1.96	.51	2473 4
2600	2.361	2.164	34.840	5.2	68.8	27.830	32.478	37.021	41.462	45.801	41.6	2.00	.52	2571 7
2700	2.305	2.099	34.839	5.2	68.9	27.835	32.484	37.029	41.471	45.813	41.4	2.04	.53	2670 0
2800	2.248	2.034	34.835	5.2	68.8	27.837	32.488	37.035	41.479	45.822	41.4	2.08	.47	2768 2
2900	2.203	1.980	34.835	5.2	68.8	27.841	32.494	37.042	41.487	45.832	41.2	2.13	.51	2866 4
3000	2.148	1.916	34.832	5.2	68.6	27.844	32.498	37.048	41.495	45.841	41.0	2.17	.49	2964 5
3200	1.955	1.708	34.812	5.2	67.7	27.844	32.505	37.060	41.513	45.864	40.5	2.25	.53	3160 6
3400	1.710	1.449	34.789	5.2	67.3	27.845	32.513	37.076	41.536	45.894	39.2	2.33	.62	3356 5
3600	1.489	1.213	34.771	5.2	67.1	27.847	32.522	37.092	41.558	45.923	37.8	2.41	.63	3552 3
3800	1.322	1.029	34.757	5.2	67.3	27.848	32.529	37.104	41.575	45.944	36.8	2.48	.56	3747 9
3897	1.297	.995	34.754	5.2	66.4	27.848	32.530	37.106	41.578	45.948	36.9	2.52	.34	3842 7

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	17.962	17.961	35.446	5.86	4.8	0.18	0.9	0.02		25.624	29.926	34.133	38.249	42.275	4.0
13	17.927	17.925	35.456	5.83	4.7	0.16	0.9	0.01		25.641	29.943	34.151	38.267	42.294	13.0
34	16.940	16.934	35.425	5.99	5.0	0.16	0.9	0.02		25.857	30.176	34.400	38.532	42.574	34.0
59	14.382	14.373	35.254	5.71	5.8	0.42	3.6	0.30		26.305	30.671	34.940	39.116	43.200	58 2
109	12.681	12.666	35.065	5.71	6.3	0.66	6.5	0.02		26.510	30.910	35.213	39.420	43.535	108 1
159	11.887	11.866	34.984	5.61	3.7	0.81	6.2	0.01		26.603	31.019	35.337	39.560	43.690	158 1
210	11.369	11.343	34.924	5.61	6.8	0.91	8.7			26.654	31.082	35.411	39.644	43.784	208 5
261	10.727	10.695	34.827	5.85	6.7	0.97	8.6			26.696	31.137	35.480	39.727	43.880	258 5
311	9.949	9.913	34.718	5.56	7.8	1.14	12.3			26.747	31.206	35.566	39.829	43.997	308 3
411	9.191	9.145	34.719	4.96	10.1	1.42	17.7			26.875	31.351	35.727	40.005	44.189	407 6
510	7.783	7.732	34.587	4.81	15.7	1.72	24.1			26.990	31.498	35.906	40.216	44.429	505 6
612	6.219	6.164	34.475	4.75	23.2	1.94	28.9			27.117	31.664	36.109	40.454	44.702	606 3
713	5.173	5.114	34.422	4.76	27.1	2.19	28.1			27.204	31.777	36.248	40.618	44.890	706 5
814	4.640	4.576	34.423	4.59	22.2	2.34	20.0			27.266	31.852	36.336	40.720	45.004	806 4
913	4.040	3.971	34.429	4.47	41.6	2.44	33.6			27.335	31.937	36.436	40.834	45.133	904 0
1012	3.698	3.624	34.477	4.23	30.7	2.54	20.2			27.408	32.019	36.527	40.933	45.240	1001 8
1261	2.940	2.852	34.571	4.17	51.0	2.55	28.4			27.556	32.187	36.714	41.139	45.464	1247 8
1512	2.794	2.687	34.696	4.30	38.0		19.5			27.671	32.305	36.835	41.264	45.591	1495 5
1743	2.710	2.585	34.773	4.73	37.0	2.14	19.6			27.741	32.378	36.910	41.340	45.670	1723 2
2018	2.589	2.441	34.811	4.97	40.5	2.02	20.9			27.784	32.424	36.960	41.394	45.727	1993 3
2527	2.392	2.201	34.840	5.25	47.6	1.91	23.6			27.827	32.474	37.016	41.455	45.794	2493 0
3037	2.122	1.887	34.829	5.30	57.7	1.92	27.4			27.844	32.499	37.050	41.498	45.844	2993 3
3495	1.600	1.331	34.773	5.19	72.8	2.16	29.4			27.840	32.512	37.078	41.541	45.903	3440 8
3901	1.298	0.995	34.753	5.15	69.0	2.24	24.6			27.847	32.529	37.105	41.577	45.947	3836 7


SALINITY (PPT)
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OXYGEN (ML/L)
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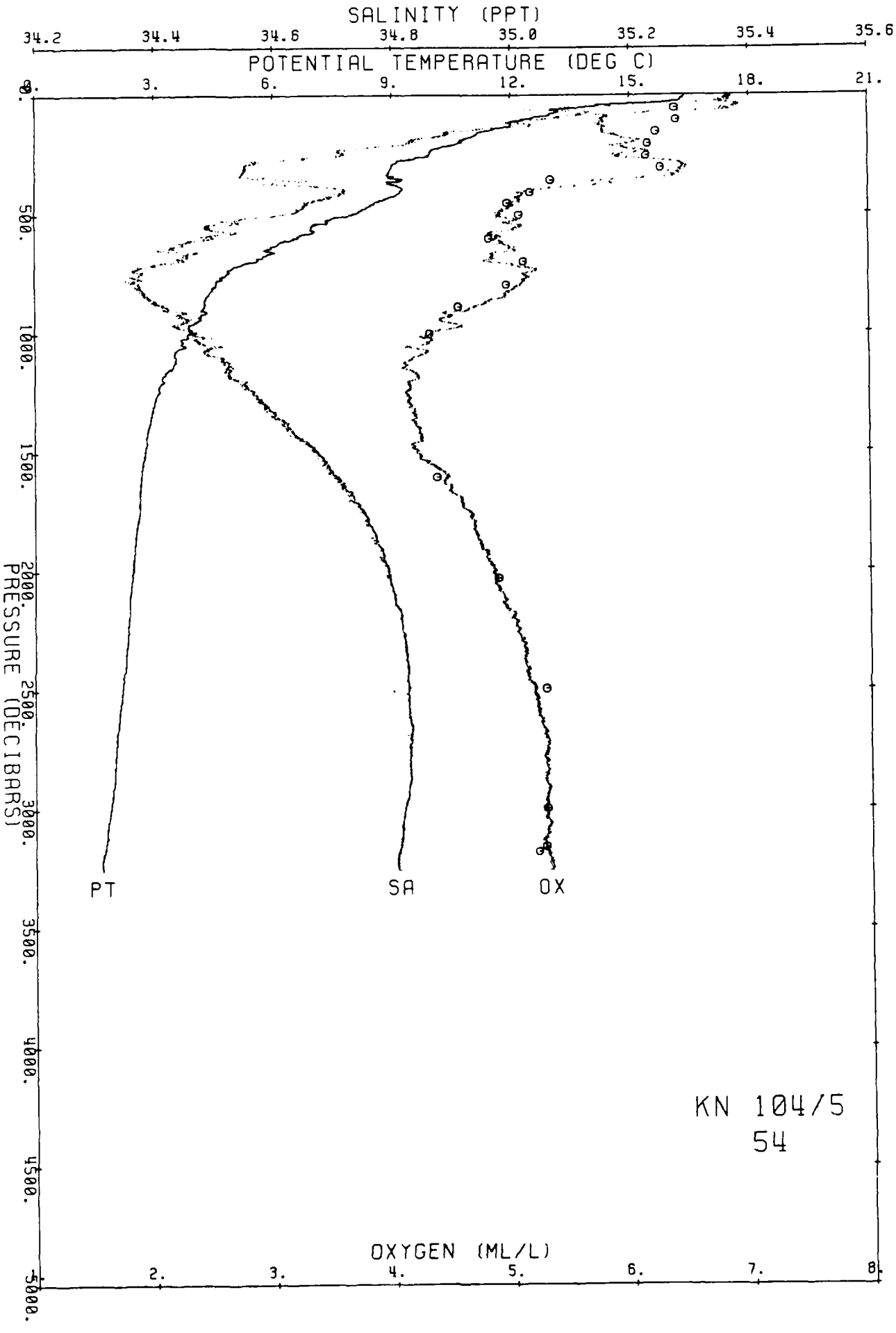

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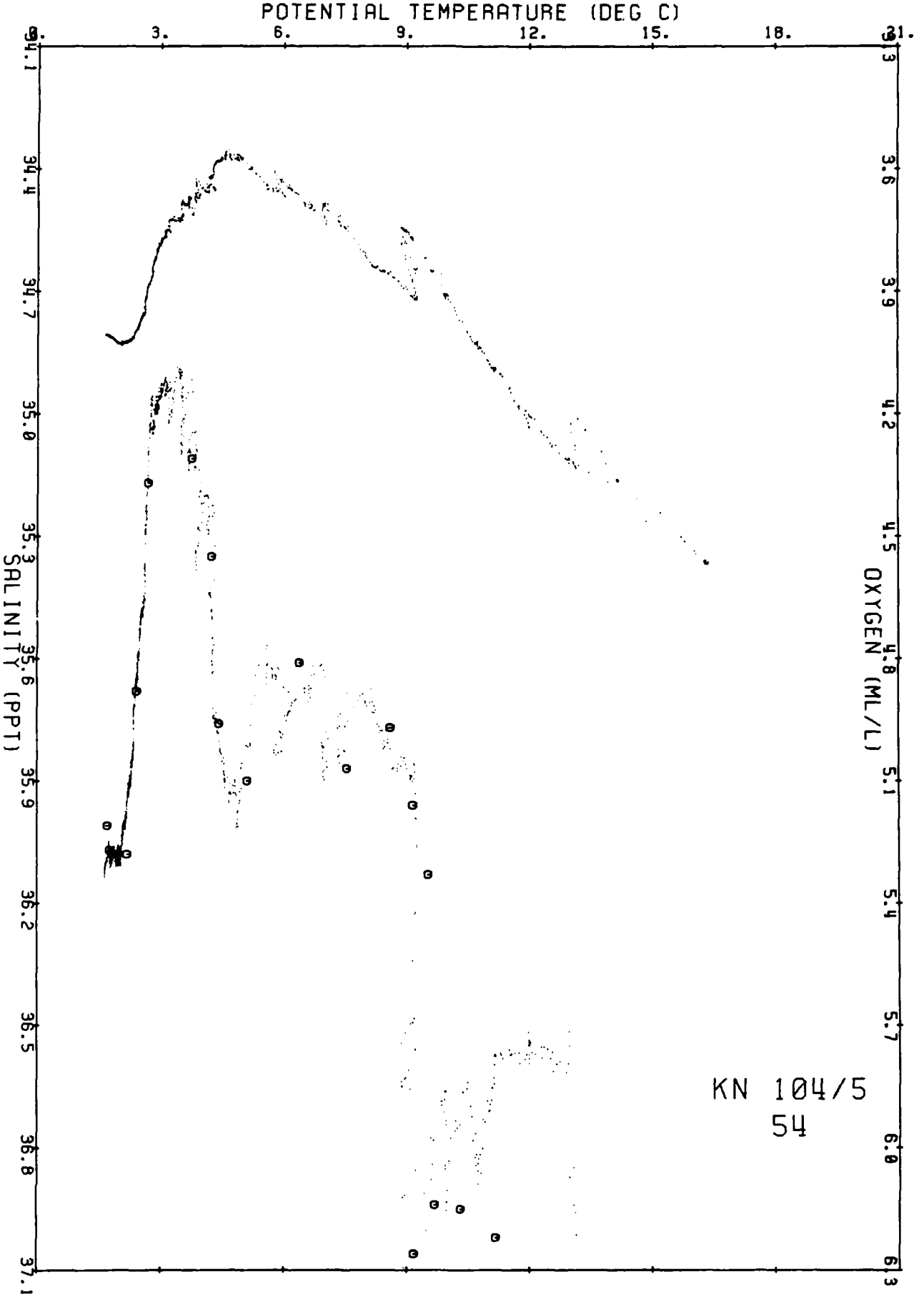

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PRESSURE (DECIBARS)
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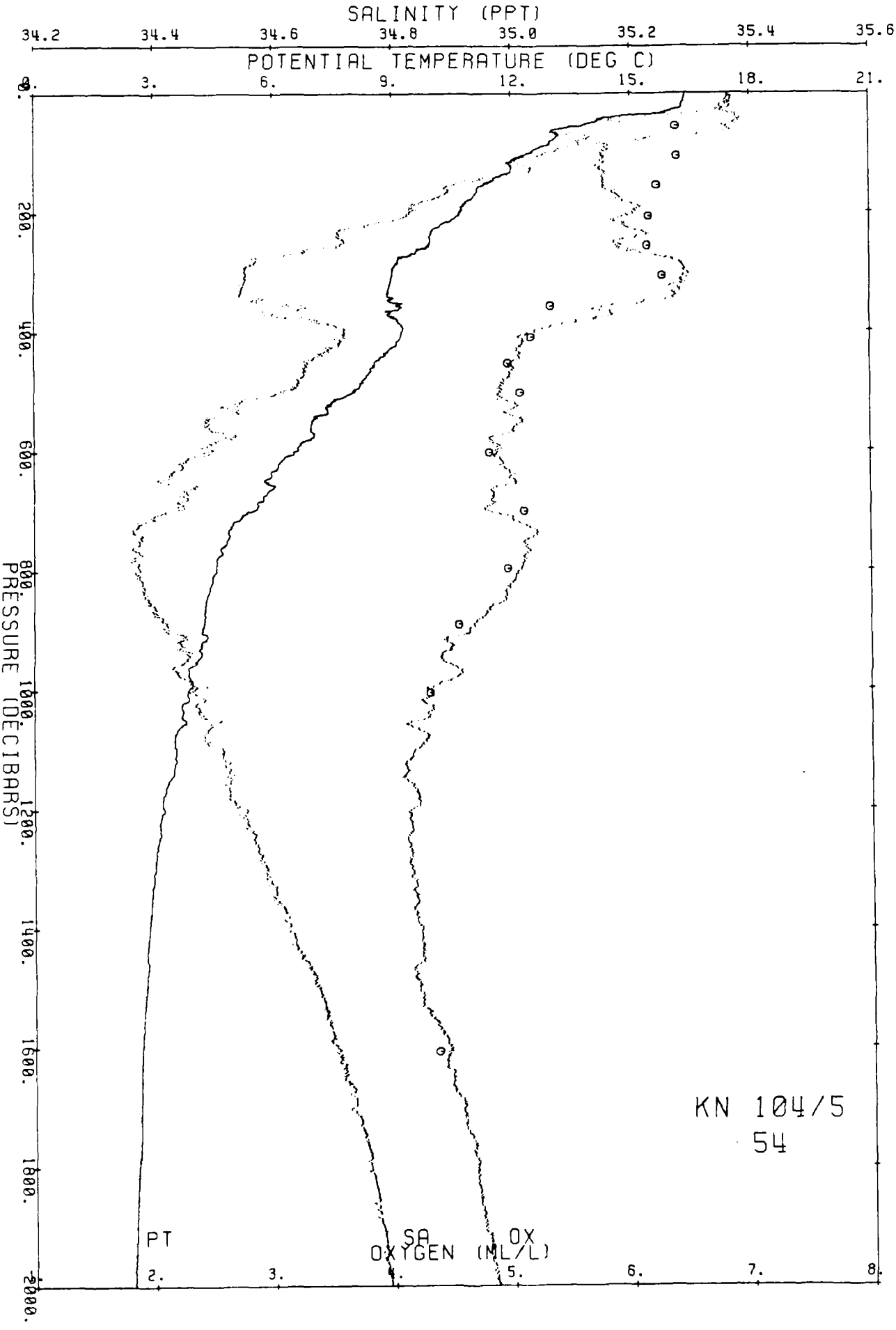
Ship KN Cruise 1045 Station 54 Cast 1 DT
Start 38 28.71 S 25 27.55 E at 1240 83/12/ 2
End 38 25.48 S 25 22.92 E at 1637

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	16.381	16.381	35.364	6.8	123.4	25.941	30.270	34.503	38.644	42.695	205.3	0.00	0.00	0.0
10	16.359	16.358	35.369	6.8	123.3	25.950	30.279	34.513	38.655	42.706	204.8	.02	1.70	10.0
20	16.296	16.293	35.368	6.8	122.2	25.964	30.295	34.530	38.672	42.724	203.8	.04	2.11	19.9
30	16.039	16.034	35.336	6.8	121.6	25.999	30.335	34.574	38.721	42.778	200.8	.06	3.33	29.9
40	14.641	14.636	35.208	6.9	120.3	26.213	30.574	34.839	39.010	43.091	180.8	.08	8.20	39.9
50	13.947	13.940	35.168	6.9	118.2	26.330	30.705	34.983	39.166	43.259	169.9	.10	6.08	49.8
60	13.200	13.192	35.013	6.8	115.6	26.365	30.755	35.048	39.246	43.352	166.8	.11	3.34	59.8
70	13.219	13.209	35.126	6.6	111.3	26.449	30.838	35.129	39.326	43.431	159.1	.13	5.13	69.7
80	12.998	12.988	35.110	6.1	102.6	26.481	30.875	35.170	39.372	43.481	156.3	.15	3.20	79.7
90	12.757	12.745	35.097	5.8	97.3	26.520	30.918	35.218	39.424	43.538	152.9	.16	3.49	89.6
100	12.457	12.444	35.058	5.8	96.1	26.549	30.953	35.260	39.471	43.590	150.4	.18	3.05	99.6
120	11.999	11.983	35.022	5.7	94.5	26.610	31.024	35.339	39.560	43.687	145.0	.21	3.12	119.5
140	11.673	11.655	34.968	5.8	94.6	26.630	31.051	35.373	39.600	43.734	143.6	.24	1.82	139.4
160	11.168	11.149	34.889	5.8	93.7	26.663	31.094	35.427	39.665	43.809	140.9	.26	2.31	159.3
180	10.931	10.909	34.852	5.9	95.8	26.677	31.114	35.452	39.695	43.843	139.9	.29	1.56	179.2
200	10.747	10.723	34.829	6.0	96.7	26.693	31.133	35.476	39.722	43.874	138.8	.32	1.59	199.1
220	10.253	10.227	34.759	6.0	94.6	26.725	31.177	35.530	39.786	43.948	136.0	.35	2.34	219.0
240	9.979	9.952	34.708	6.1	95.6	26.733	31.191	35.550	39.812	43.980	135.6	.37	1.18	238.9
260	9.886	9.856	34.659	5.9	92.8	26.711	31.171	35.532	39.797	43.967	138.1	.40	1.83	258.8
280	9.170	9.140	34.571	6.4	98.4	26.760	31.237	35.614	39.894	44.079	133.5	.43	2.91	278.7
300	9.038	9.005	34.552	6.5	100.0	26.767	31.247	35.627	39.910	44.097	133.1	.46	1.09	298.6
320	8.985	8.951	34.551	6.4	99.2	26.775	31.256	35.637	39.921	44.110	132.8	.48	1.14	318.5
340	8.927	8.891	34.546	6.4	98.2	26.780	31.263	35.646	39.931	44.121	132.6	.51	98	338.4
360	9.259	9.219	34.649	5.8	89.5	26.808	31.283	35.658	39.935	44.118	130.7	.54	1.98	358.2
380	9.184	9.142	34.675	5.7	88.3	26.841	31.317	35.693	39.972	44.157	127.9	.56	2.28	378.1
400	9.285	9.240	34.720	5.2	80.8	26.861	31.334	35.708	39.985	44.166	126.6	.59	1.70	398.0
450	8.617	8.569	34.658	5.0	76.6	26.919	31.408	35.797	40.088	44.283	121.5	.65	2.01	447.7
500	8.054	8.003	34.613	4.9	74.2	26.970	31.472	35.873	40.177	44.385	117.1	.71	1.89	497.4
550	7.032	6.980	34.490	5.1	75.1	27.020	31.547	35.973	40.299	44.530	112.0	.77	1.99	547.0
600	6.590	6.535	34.486	4.9	71.3	27.077	31.615	36.051	40.388	44.628	106.8	.82	1.99	596.7
650	5.839	5.782	34.412	5.0	72.2	27.116	31.672	36.126	40.481	44.738	102.8	.87	1.77	646.3
700	5.473	5.414	34.420	4.8	68.5	27.167	31.732	36.196	40.559	44.824	98.1	.92	1.89	695.9
750	4.892	4.832	34.377	5.1	71.5	27.201	31.781	36.259	40.636	44.915	94.5	.97	1.67	745.5
800	4.629	4.566	34.369	5.1	70.4	27.224	31.811	36.296	40.680	44.965	92.3	1.02	1.34	795.1
900	4.276	4.207	34.420	4.6	64.1	27.303	31.899	36.393	40.785	45.078	85.2	1.11	1.65	894.2
1000	3.936	3.861	34.463	4.3	59.3	27.373	31.978	36.480	40.880	45.181	78.8	1.19	1.56	993.3
1100	3.630	3.549	34.514	4.2	56.9	27.445	32.058	36.567	40.975	45.283	72.2	1.26	1.58	1092.3
1200	3.338	3.251	34.556	4.1	56.0	27.507	32.128	36.644	41.059	45.374	66.4	1.33	1.49	1191.3
1300	3.101	3.008	34.588	4.1	55.7	27.556	32.182	36.705	41.126	45.446	62.0	1.40	1.32	1290.2
1400	2.948	2.849	34.629	4.2	56.7	27.603	32.233	36.760	41.184	45.509	57.8	1.46	1.28	1389.1
1500	2.874	2.768	34.673	4.2	55.8	27.645	32.278	36.806	41.232	45.558	54.3	1.51	1.18	1487.9
1600	2.787	2.673	34.702	4.5	59.6	27.677	32.311	36.842	41.270	45.599	51.7	1.57	1.04	1586.7
1700	2.754	2.632	34.729	4.6	60.9	27.702	32.338	36.869	41.298	45.627	50.0	1.62	.91	1685.4
1800	2.705	2.575	34.755	4.7	62.3	27.728	32.365	36.897	41.328	45.658	48.0	1.67	.93	1784.1
1900	2.641	2.503	34.778	4.7	63.0	27.752	32.391	36.925	41.358	45.689	46.1	1.71	.93	1882.7
2000	2.604	2.458	34.790	4.8	64.3	27.766	32.406	36.941	41.374	45.707	45.3	1.76	.70	1981.3
2100	2.530	2.376	34.801	4.9	65.3	27.782	32.423	36.961	41.396	45.731	44.1	1.80	.79	2079.8
2200	2.520	2.358	34.813	5.0	66.4	27.793	32.435	36.973	41.409	45.744	43.7	1.85	.61	2178.3
2300	2.474	2.303	34.819	5.1	67.3	27.802	32.446	36.985	41.422	45.759	43.2	1.89	.62	2276.7
2400	2.438	2.258	34.821	5.1	67.6	27.807	32.453	36.993	41.431	45.769	43.0	1.93	.50	2375.1
2500	2.368	2.180	34.826	5.2	68.4	27.818	32.465	37.008	41.448	45.788	42.2	1.98	.69	2473.5
2600	2.303	2.107	34.826	5.2	68.8	27.824	32.473	37.018	41.460	45.801	41.8	2.02	.58	2571.8
2700	2.250	2.045	34.829	5.3	69.7	27.831	32.482	37.029	41.472	45.815	41.4	2.06	.60	2670.0
2800	2.206	1.993	34.827	5.3	69.5	27.834	32.486	37.034	41.479	45.823	41.3	2.10	.45	2768.2
2900	2.185	1.962	34.825	5.3	69.7	27.835	32.488	37.037	41.482	45.827	41.6	2.14	.31	2866.4
3000	2.105	1.875	34.818	5.3	69.0	27.836	32.492	37.043	41.491	45.838	41.4	2.19	.51	2964.5
3200	1.935	1.688	34.806	5.3	69.2	27.841	32.502	37.058	41.511	45.863	40.6	2.27	.57	3160.6
3259	1.916	1.663	34.809	5.3	69.3	27.845	32.507	37.064	41.518	45.870	40.4	2.29	.58	3218.5

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
56	14.141	14.133	35.160	6.38	3.1	0.37	2.1		0.84	26.283	30.654	34.929	39.109	43.198	55.3
106	11.489	11.476	34.896	6.39	4.9	0.75	7.8		1.35	26.608	31.033	35.359	39.590	43.728	104.6
155	11.180	11.161	34.904	5.22	4.5	0.81	7.5		0.42	26.672	31.103	35.436	39.673	43.817	153.2
207	10.339	10.315	34.758	6.15	5.7	0.99	11.8		0.31	26.709	31.159	35.510	39.765	43.925	204.8
256	9.715	9.686	34.659	6.14	6.3	1.06	14.3		0.31	26.739	31.203	35.568	39.836	44.010	254.0
307	9.208	9.174	34.595	6.26	6.2	1.17	17.1		0.30	26.773	31.249	35.625	39.904	44.088	304.1
357	9.573	9.533	34.727	5.33	10.7	1.36	17.3		0.30	26.818	31.285	35.653	39.923	44.099	354.2
409	9.205	9.160	34.707	5.16	12.3	1.42	24.6		0.34	26.863	31.339	35.714	39.993	44.176	405.3
453	8.656	8.607	34.672	4.97	15.8	1.58	24.7		0.27	26.924	31.412	35.800	40.090	44.285	448.9
502	7.604	7.554	34.551	5.07	16.3	1.72	26.4		0.27	26.987	31.500	35.912	40.226	44.443	497.5
602	6.450	6.395	34.493	4.81	24.3	1.98	31.5		0.24	27.101	31.642	36.081	40.421	44.664	596.4
700	5.180	5.122	34.383	5.10	26.4	2.13	31.8		0.25	27.172	31.745	36.216	40.586	44.858	693.2
796	4.493	4.431	34.383	4.96	29.9	2.28	30.8		0.57	27.250	31.840	36.328	40.715	45.004	788.6
890	4.322	4.253	34.439	4.55	24.1	2.41	17.9		0.27	27.313	31.908	36.400	40.791	45.083	881.6
1005	3.846	3.771	34.473	4.31	44.5	2.52	32.5		0.50	27.390	31.998	36.501	40.904	45.207	994.4
1606	2.813	2.698	34.689	4.37	56.6	2.36	31.4		0.30	27.664	32.298	36.828	41.256	45.584	1588.1
2031	2.576	2.427	34.797	4.88	53.0	2.08	27.9		0.24	27.774	32.415	36.951	41.385	45.719	2005.6
2496	2.380	2.192	34.827	5.28	47.8	1.96	23.5		0.21	27.818	32.465	37.007	41.447	45.786	2462.3
2998	2.156	1.924	34.824	5.28	54.5	1.95	24.9		0.31	27.837	32.491	37.041	41.488	45.834	2954.5
3158	2.005	1.761	34.811	5.27	48.6	2.03	20.7		0.31	27.839	32.498	37.052	41.504	45.854	3110.9
3180	1.966	1.720	34.810	5.21	51.5	2.04	21.1		0.20	27.842	32.502	37.057	41.509	45.861	3132.2


SALINITY (PPT)
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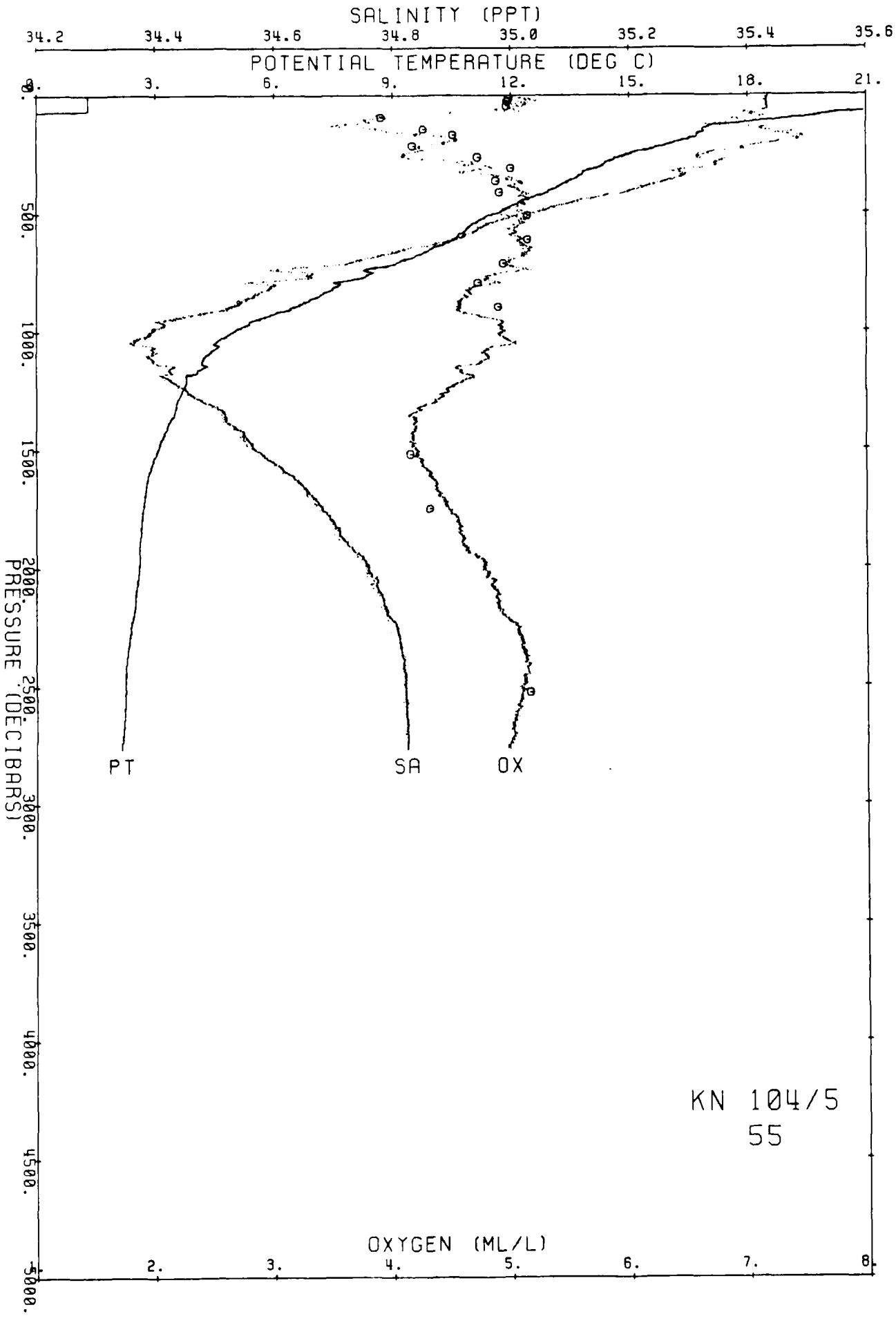

POTENTIAL TEMPERATURE (DEG C)
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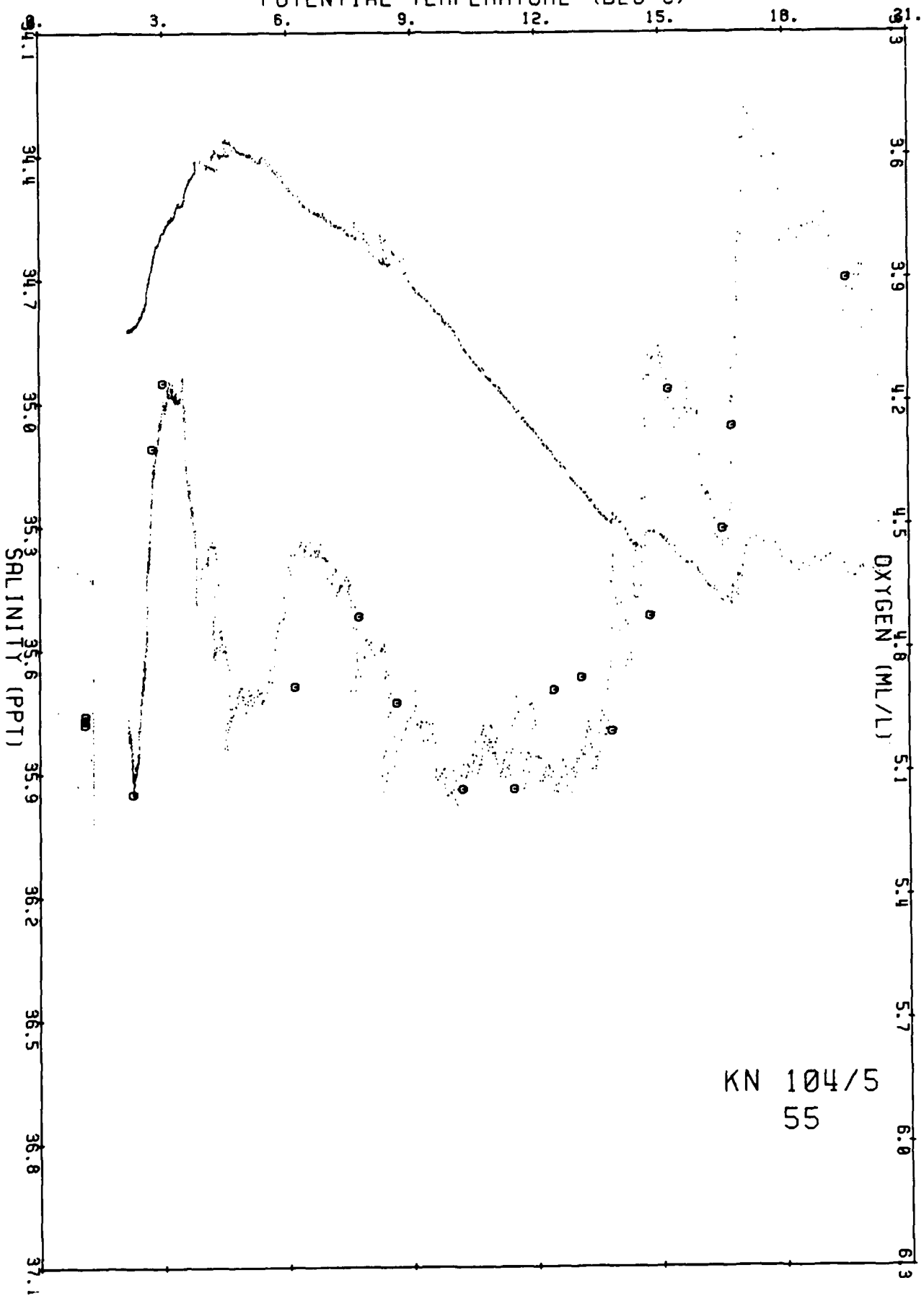

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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KN 104/5
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SA
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OXYGEN (ML/L)
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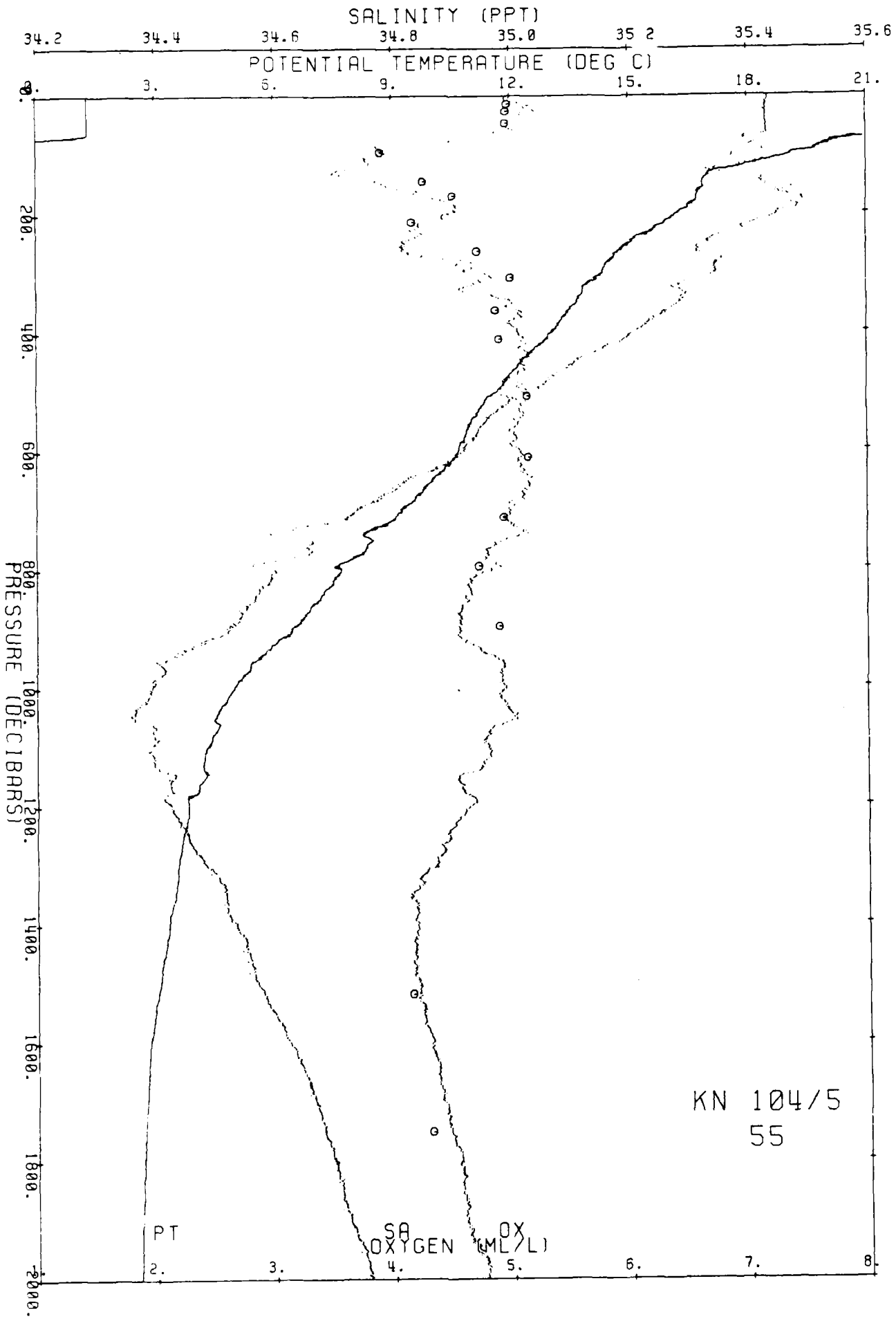
Ship KN Cruise 1045 Station 55 Cast 1 DT
Start 39 9.58 S 25 39.51 E at 5 83/12/ 3
End 39 6.92 S 25 39.54 E at 339

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	22.306	22.306	35.435	5.0	100.5	24.464	28.699	32.841	36.894	40.859	345.8	0.00	0.00	0.0
10	22.298	22.296	35.430	5.1	102.9	24.463	28.698	32.840	36.893	40.859	346.4	.03	-.59	10.0
20	22.311	22.307	35.431	5.1	103.8	24.460	28.695	32.837	36.890	40.856	347.0	.07	-.89	20.0
30	22.313	22.307	35.432	5.1	104.2	24.461	28.696	32.838	36.891	40.857	347.4	.10	.53	29.9
40	22.313	22.305	35.431	5.0	101.4	24.461	28.696	32.838	36.891	40.856	347.8	.14	-.32	39.9
50	22.311	22.301	35.432	5.1	102.5	24.463	28.698	32.840	36.893	40.859	348.1	.17	.80	49.9
60	22.311	22.299	35.432	4.9	98.6	24.463	28.698	32.841	36.893	40.859	348.5	.21	.37	59.9
70	21.459	21.446	35.394	4.9	98.7	24.673	28.921	33.075	37.140	41.117	328.8	.24	8.13	69.8
80	20.166	20.151	35.412	4.0	77.5	25.037	29.304	33.478	37.561	41.555	294.4	.27	10.71	79.8
90	19.692	19.676	35.426	3.9	75.9	25.173	29.448	33.628	37.718	41.719	281.8	.30	6.54	89.8
100	19.128	19.111	35.375	3.8	72.6	25.281	29.564	33.754	37.852	41.862	271.9	.33	5.83	99.8
120	17.927	17.906	35.365	3.7	68.8	25.576	29.879	34.088	38.204	42.232	244.4	.38	6.83	119.7
140	16.942	16.919	35.424	3.8	69.5	25.860	30.179	34.404	38.536	42.578	218.0	.43	6.70	139.6
160	16.772	16.746	35.449	4.1	75.3	25.920	30.243	34.470	38.604	42.649	212.9	.47	3.08	159.5
180	16.708	16.679	35.489	4.5	81.5	25.967	30.290	34.518	38.653	42.699	209.2	.51	2.71	179.5
200	16.250	16.217	35.451	4.4	80.3	26.045	30.377	34.613	38.756	42.809	202.3	.55	3.54	199.4
220	15.805	15.771	35.392	4.2	75.6	26.102	30.442	34.686	38.837	42.897	197.4	.59	3.04	219.3
240	15.189	15.152	35.342	4.2	74.3	26.203	30.554	34.809	38.970	43.041	188.3	.63	4.02	239.2
260	14.886	14.847	35.318	4.1	71.9	26.252	30.608	34.869	39.036	43.112	184.2	.67	2.80	259.1
280	14.567	14.526	35.353	4.6	81.2	26.349	30.711	34.977	39.149	43.230	175.5	.71	3.93	279.0
300	14.390	14.346	35.347	4.8	83.3	26.383	30.748	35.018	39.193	43.277	172.8	.74	2.34	298.9
320	13.965	13.919	35.287	4.7	80.7	26.427	30.801	35.078	39.262	43.354	169.0	.77	2.71	318.8
340	13.770	13.722	35.288	4.9	83.8	26.469	30.847	35.128	39.315	43.410	165.5	.81	2.60	338.7
360	13.544	13.493	35.264	5.0	85.6	26.498	30.880	35.166	39.357	43.456	163.2	.84	2.18	358.6
380	13.345	13.291	35.241	5.0	85.1	26.521	30.908	35.197	39.392	43.495	161.4	.87	1.98	378.4
400	13.119	13.064	35.212	5.0	85.5	26.545	30.936	35.230	39.429	43.536	159.6	.91	2.00	398.3
450	12.331	12.271	35.107	5.1	85.1	26.621	31.028	35.337	39.552	43.674	153.2	.98	2.27	448.0
500	11.732	11.667	35.041	5.1	83.8	26.685	31.105	35.426	39.653	43.786	147.9	1.06	2.10	497.7
550	11.069	11.000	34.959	5.1	82.1	26.744	31.178	35.514	39.754	43.900	142.9	1.13	2.05	547.4
600	10.725	10.651	34.919	5.1	81.5	26.776	31.217	35.560	39.807	43.960	140.7	1.20	1.50	597.1
650	10.068	9.991	34.818	5.1	80.7	26.812	31.268	35.626	39.886	44.053	137.6	1.27	1.68	646.7
700	9.257	9.178	34.738	5.0	77.6	26.885	31.359	35.734	40.012	44.195	130.7	1.34	2.31	696.3
750	8.548	8.467	34.664	5.0	75.8	26.939	31.430	35.821	40.115	44.313	125.4	1.40	2.04	745.9
800	7.769	7.687	34.600	4.8	72.5	27.006	31.516	35.925	40.235	44.449	118.7	1.46	2.25	795.5
900	6.498	6.414	34.520	4.6	66.4	27.120	31.660	36.099	40.438	44.681	107.2	1.58	2.09	894.7
1000	5.068	4.984	34.394	4.9	69.7	27.197	31.773	36.247	40.621	44.896	98.1	1.68	1.86	993.8
1100	4.372	4.285	34.390	4.8	66.3	27.271	31.865	36.357	40.747	45.039	90.5	1.77	1.70	1092.8
1200	3.894	3.803	34.417	4.6	63.6	27.343	31.949	36.453	40.855	45.158	83.4	1.86	1.63	1191.8
1300	3.645	3.548	34.484	4.4	59.2	27.421	32.034	36.544	40.952	45.260	76.2	1.94	1.64	1290.8
1400	3.413	3.309	34.535	4.2	56.7	27.485	32.104	36.619	41.033	45.347	70.3	2.01	1.49	1389.7
1500	3.191	3.081	34.569	4.2	56.7	27.534	32.158	36.679	41.098	45.418	65.8	2.08	1.33	1488.5
1600	2.947	2.831	34.624	4.3	57.8	27.600	32.231	36.758	41.183	45.508	59.4	2.14	1.54	1587.3
1700	2.859	2.736	34.667	4.4	58.8	27.643	32.277	36.806	41.233	45.560	55.8	2.20	1.20	1686.0
1800	2.802	2.671	34.700	4.6	60.8	27.675	32.310	36.841	41.269	45.598	53.3	2.26	1.04	1784.7
1900	2.754	2.615	34.723	4.6	61.3	27.699	32.335	36.867	41.296	45.626	51.6	2.31	.89	1883.3
2000	2.730	2.582	34.759	4.8	63.4	27.730	32.367	36.899	41.330	45.660	49.2	2.36	1.01	1981.9
2100	2.674	2.518	34.778	4.9	64.9	27.751	32.389	36.923	41.355	45.687	47.7	2.41	.86	2080.4
2200	2.626	2.461	34.790	4.9	65.4	27.766	32.405	36.941	41.374	45.707	46.7	2.46	.74	2178.9
2300	2.520	2.348	34.810	5.1	67.3	27.791	32.434	36.972	41.408	45.744	44.4	2.50	1.00	2277.3
2400	2.460	2.280	34.819	5.1	67.8	27.804	32.449	36.989	41.426	45.763	43.5	2.55	.73	2375.7
2500	2.436	2.247	34.820	5.1	67.2	27.808	32.453	36.994	41.432	45.770	43.6	2.59	.42	2474.1
2600	2.420	2.222	34.822	5.1	66.8	27.811	32.457	36.999	41.438	45.777	43.8	2.63	.41	2572.4
2700	2.387	2.180	34.823	5.0	66.3	27.816	32.463	37.005	41.446	45.785	43.7	2.68	.47	2670.6
2767	2.365	2.152	34.823	5.0	65.8	27.818	32.466	37.009	41.450	45.791	43.7	2.71	.45	2736.5

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	22.082	22.081	35.428							24.522	28.760	32.905	36.961	40.930	4.1
14	22.093	22.090	35.425	4.98	4.2	0.23	3.9		0.20	24.517	28.755	32.900	36.956	40.925	13.6
26	22.091	22.086	35.426	4.97	5.2	0.23	1.1			24.519	28.757	32.903	36.958	40.927	25.7
46	22.109	22.100	35.425	4.96	3.1	0.22	0.8			24.514	28.752	32.897	36.953	40.921	45.1
94	19.522	19.505	35.416	3.90	7.0	0.58	3.3			25.210	29.487	33.670	37.763	41.767	93.4
145	16.759	16.735	35.446	4.26	7.3	0.63	5.3			25.920	30.243	34.470	38.605	42.650	143.6
169	16.510	16.483	35.472	4.51	8.0	0.58	6.2			26.000	30.326	34.558	38.696	42.745	167.3
213	15.237	15.204	35.353	4.17	9.6	0.80	8.8			26.200	30.550	34.804	38.964	43.034	211.5
263	14.764	14.724	35.373	4.72	6.9	0.68	5.6			26.321	30.679	34.942	39.110	43.188	260.4
308	13.851	13.807	35.306	5.00	4.9	0.68	4.3			26.465	30.841	35.121	39.306	43.399	305.1
363	13.112	13.061	35.207	4.87	7.2	0.84	6.3			26.542	30.933	35.227	39.426	43.533	359.4
411	12.453	12.398	35.131	4.90	7.6	0.95	8.4			26.615	31.019	35.326	39.538	43.658	407.5
508	11.504	11.439	35.016	5.14	7.8	0.99	11.6			26.708	31.133	35.459	39.690	43.828	503.4
611	10.270	10.197	34.847	5.14	7.9	1.18	13.5			26.799	31.251	35.604	39.860	44.022	605.2
712	8.690	8.612	34.678	4.93	10.4	1.48	13.8			26.928	31.415	35.803	40.093	44.288	705.6
795	7.786	7.704	34.606	4.72	14.0	1.71	16.9			27.008	31.517	35.926	40.236	44.450	787.2
897	6.236	6.154	34.472	4.89	18.8	1.97	22.7			27.116	31.663	36.108	40.454	44.702	887.9
1017	5.033	4.948	34.412							27.215	31.792	36.267	40.642	44.918	1006.8
1279	3.680	3.584	34.464							27.402	32.014	36.523	40.930	45.238	1264.8
1518	3.096	2.985	34.587	4.15	54.4	2.50	34.0			27.557	32.184	36.707	41.129	45.450	1501.2
1751	2.846	2.718	34.677	4.31	44.3	2.39	24.7			27.653	32.286	36.816	41.244	45.571	1729.9
1984	2.738	2.591	34.752							27.724	32.360	36.893	41.323	45.653	1959.4
2527	2.436	2.244	34.821	5.15	46.0	1.96	23.7			27.809	32.454	36.995	41.434	45.772	2492.3
2772	2.368	2.154	34.822							27.817	32.465	37.008	41.449	45.789	2733.0

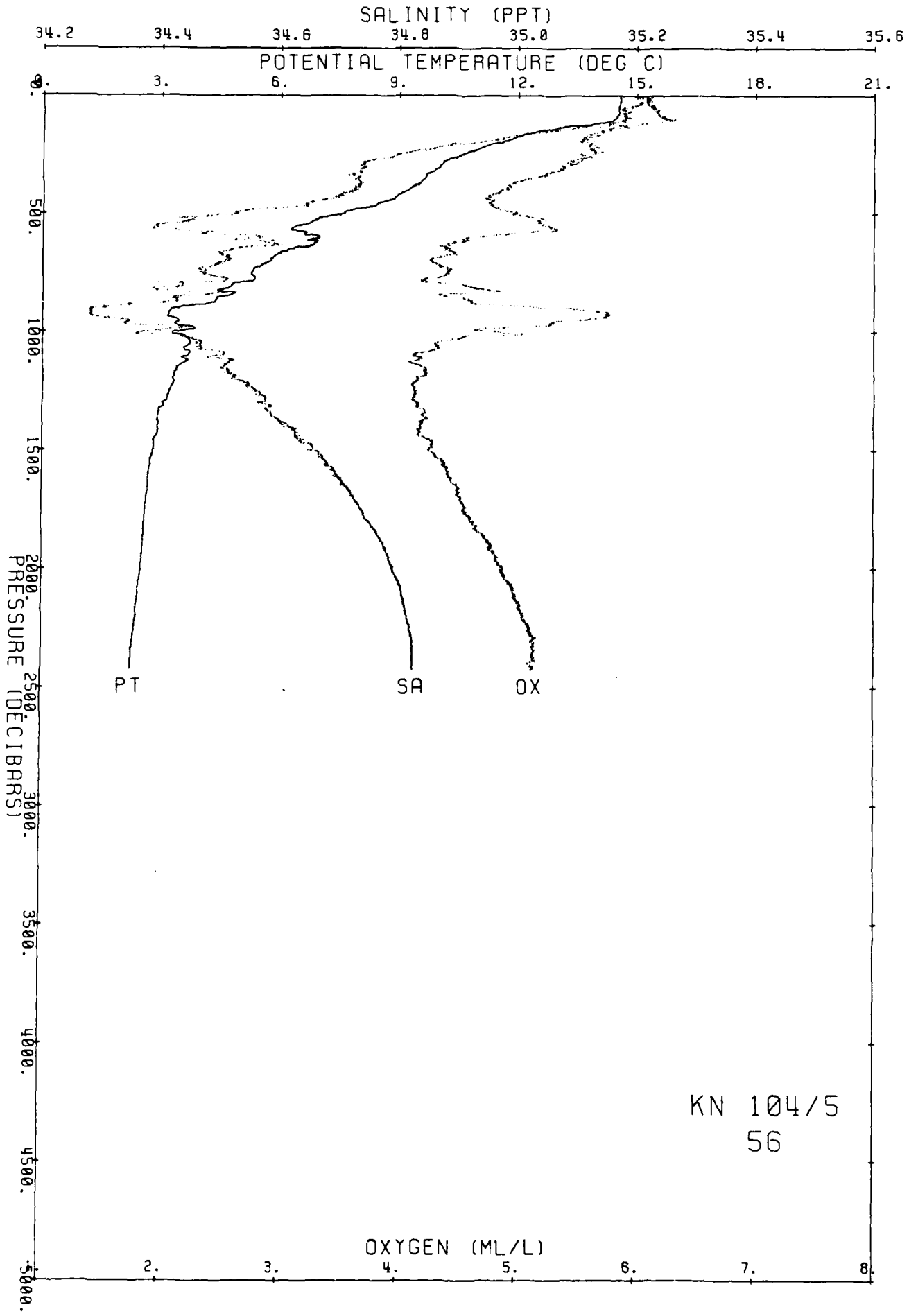

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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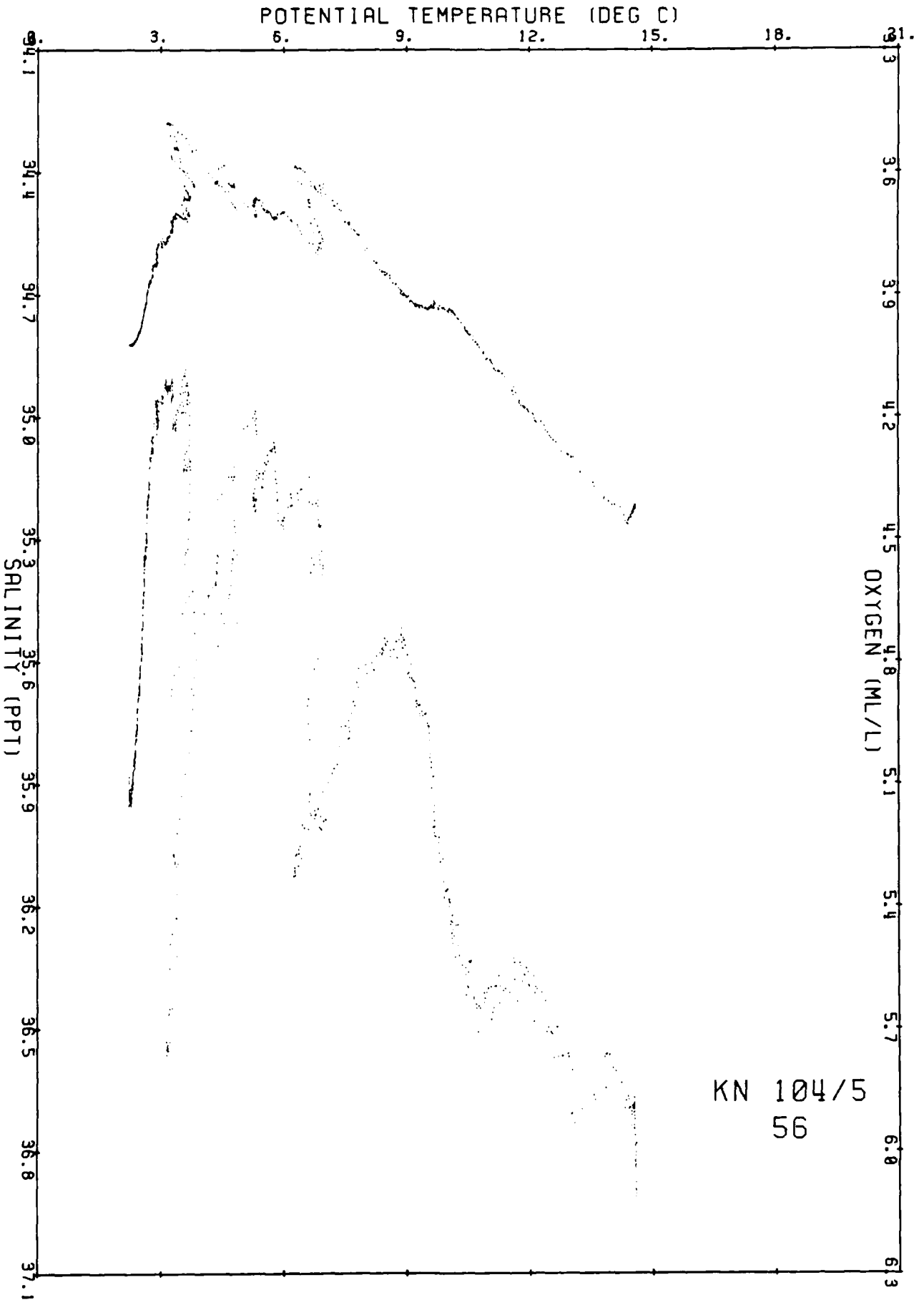

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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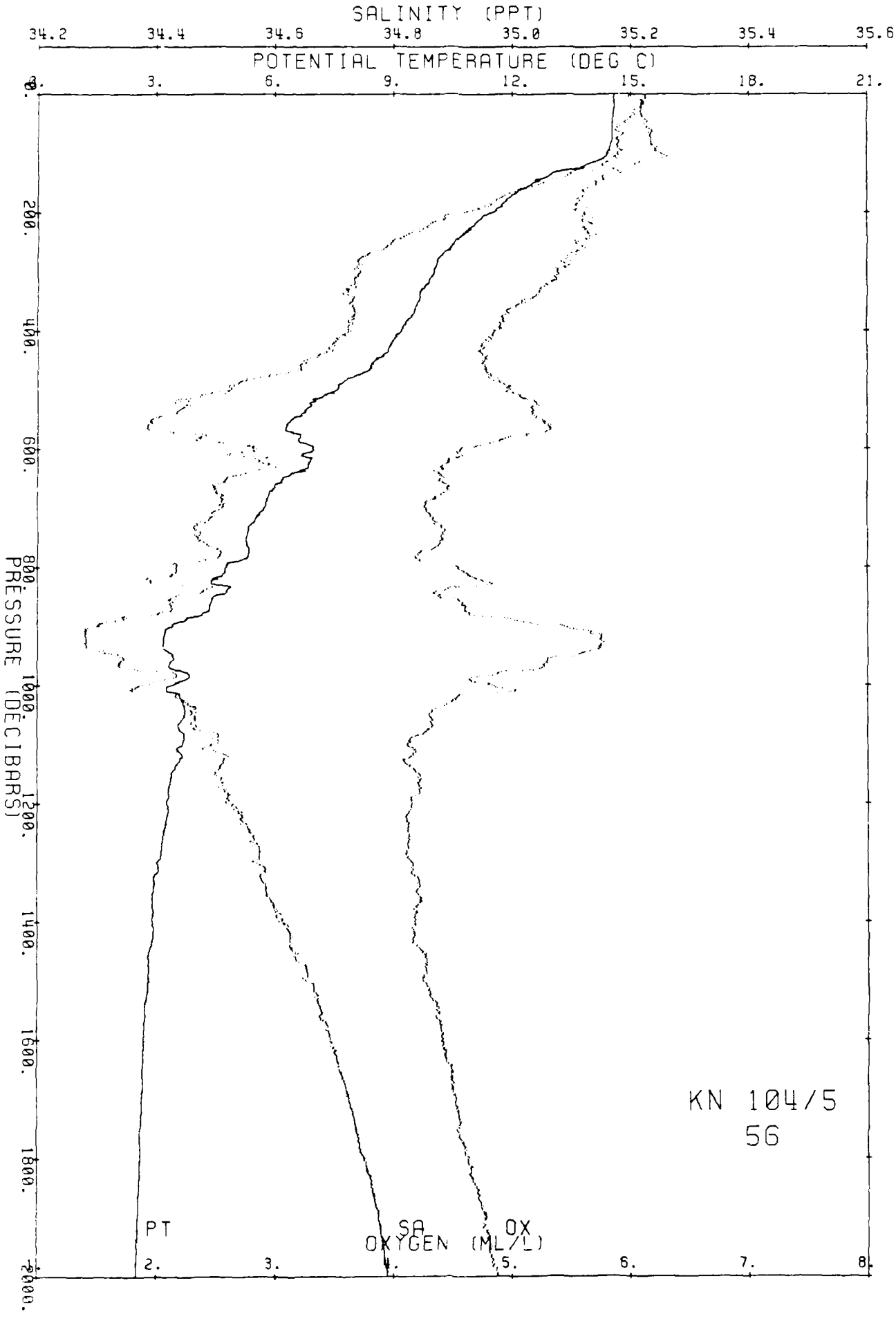

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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Ship KN Cruise 1045 Station 58 Cast 1 DT
Start 40 10.11 S 25 40.64 E at 1447 83/13/ 3
End 40 9.96 S 25 41.78 E at 1629

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	14.575	14.575	35.225	6.0	104.4	26.239	30.601	34.867	39.039	43.121	177.0	0.00	0.00	0.0
10	14.579	14.578	35.219	6.1	106.1	26.234	30.596	34.862	39.034	43.115	177.8	.02	1.27	10.0
20	14.578	14.575	35.221	6.1	106.1	26.236	30.598	34.864	39.037	43.118	177.9	.04	83	19.9
30	14.578	14.574	35.217	6.0	105.2	26.233	30.596	34.862	39.034	43.115	178.5	.05	93	29.9
40	14.566	14.560	35.224	6.0	104.6	26.241	30.604	34.870	39.043	43.124	178.0	.07	1.62	39.8
50	14.555	14.548	35.223	6.0	104.0	26.243	30.606	34.873	39.045	43.127	178.2	.09	76	49.8
60	14.536	14.527	35.236	5.9	102.4	26.258	30.621	34.888	39.061	43.143	177.1	.11	2.14	59.8
70	14.550	14.540	35.232	5.9	103.3	26.252	30.615	34.881	39.054	43.136	178.0	.12	1.36	69.7
80	14.540	14.529	35.235	5.9	103.0	26.257	30.620	34.887	39.060	43.141	177.8	.14	1.23	79.7
90	14.492	14.479	35.246	5.9	102.7	26.276	30.640	34.907	39.081	43.164	176.3	.16	2.45	89.6
100	14.430	14.416	35.251	5.9	102.6	26.293	30.659	34.927	39.102	43.186	175.0	.18	2.35	99.6
120	13.888	13.871	35.208	5.8	99.2	26.376	30.751	35.030	39.215	43.308	167.7	.21	3.62	119.5
140	12.928	12.909	35.091	5.8	97.2	26.482	30.877	35.175	39.377	43.488	157.9	.24	4.13	139.4
160	12.309	12.288	35.011	5.6	93.4	26.543	30.950	35.260	39.475	43.597	152.6	.28	3.12	159.3
180	11.883	11.860	34.975	5.6	91.8	26.597	31.013	35.332	39.555	43.685	147.8	.31	2.95	179.2
200	11.530	11.505	34.920	5.6	91.8	26.621	31.045	35.371	39.601	43.738	146.0	.33	2.00	199.1
220	11.100	11.073	34.862	5.7	92.0	26.655	31.089	35.424	39.663	43.808	143.0	.36	2.39	219.0
240	10.731	10.702	34.817	5.7	90.8	26.687	31.128	35.471	39.718	43.870	140.3	.39	2.29	238.9
260	10.489	10.458	34.788	5.6	89.8	26.708	31.154	35.502	39.754	43.911	138.8	.42	1.85	258.8
280	10.164	10.131	34.740	5.5	86.6	26.727	31.181	35.536	39.794	43.959	137.2	.45	1.83	278.7
300	10.065	10.030	34.744	5.4	85.2	26.747	31.204	35.561	39.821	43.987	135.7	.47	1.82	298.6
320	9.915	9.878	34.734	5.3	83.4	26.765	31.225	35.585	39.849	44.018	134.3	.50	1.73	318.5
340	9.707	9.669	34.725	5.2	81.8	26.794	31.258	35.623	39.890	44.064	132.0	.53	2.16	338.4
360	9.610	9.569	34.733	5.0	78.9	26.817	31.283	35.650	39.919	44.095	130.2	.55	1.92	358.3
380	9.447	9.404	34.732	4.9	77.0	26.843	31.313	35.683	39.956	44.135	128.0	.58	2.09	378.1
400	9.256	9.211	34.729	4.9	75.6	26.872	31.346	35.721	39.998	44.180	125.5	.61	2.20	398.0
450	8.587	8.540	34.649	4.8	72.7	26.916	31.406	35.795	40.087	44.284	121.7	.67	1.78	447.7
500	7.631	7.581	34.524	5.0	74.7	26.962	31.474	35.886	40.199	44.417	117.3	.73	1.88	497.4
550	6.473	6.423	34.391	5.3	76.5	27.017	31.558	35.997	40.337	44.580	111.5	.78	2.09	547.0
600	7.023	6.966	34.569	4.6	67.5	27.084	31.611	36.036	40.363	44.593	106.8	.84	1.92	596.7
650	6.266	6.208	34.519	4.4	63.8	27.146	31.691	36.135	40.479	44.726	100.6	.89	2.14	646.3
700	5.797	5.736	34.511	4.3	61.3	27.200	31.756	36.211	40.566	44.824	95.6	.94	1.96	695.9
750	5.331	5.268	34.474	4.4	62.4	27.227	31.796	36.262	40.628	44.897	92.8	.99	1.50	745.5
800	4.831	4.767	34.434	4.5	63.7	27.253	31.835	36.314	40.693	44.973	90.0	1.03	1.51	795.1
900	3.480	3.417	34.300	5.4	73.5	27.287	31.905	36.420	40.832	45.145	84.9	1.12	1.42	894.2
1000	3.426	3.355	34.371	4.8	65.3	27.350	31.969	36.484	40.898	45.212	79.7	1.20	1.41	993.3
1100	3.738	3.656	34.493	4.1	56.1	27.418	32.028	36.535	40.940	45.246	75.1	1.28	1.35	1092.3
1200	3.351	3.265	34.521	4.2	56.1	27.478	32.098	36.615	41.030	45.345	69.2	1.35	1.50	1191.3
1300	3.114	3.022	34.569	4.2	55.9	27.539	32.165	36.688	41.109	45.429	63.5	1.42	1.46	1290.2
1400	3.018	2.918	34.608	4.2	56.0	27.580	32.209	36.733	41.156	45.479	60.2	1.48	1.17	1389.1
1500	2.905	2.798	34.653	4.3	56.8	27.627	32.258	36.786	41.212	45.537	56.2	1.54	1.26	1487.9
1600	2.799	2.685	34.693	4.4	58.9	27.669	32.303	36.833	41.261	45.589	52.6	1.59	1.20	1586.7
1700	2.758	2.636	34.725	4.5	60.3	27.698	32.334	36.865	41.294	45.623	50.3	1.64	99	1685.4
1800	2.724	2.594	34.750	4.6	61.4	27.722	32.359	36.891	41.321	45.651	48.6	1.69	89	1784.1
1900	2.681	2.542	34.775	4.8	63.4	27.747	32.384	36.918	41.349	45.680	46.8	1.74	91	1882.7
2000	2.644	2.497	34.790	4.9	64.7	27.762	32.401	36.936	41.368	45.700	45.9	1.79	75	1981.3
2100	2.586	2.431	34.806	5.0	66.0	27.781	32.421	36.957	41.391	45.725	44.5	1.83	82	2079.8
2200	2.539	2.376	34.814	5.0	67.0	27.792	32.434	36.971	41.407	45.741	43.8	1.88	66	2178.3
2300	2.464	2.293	34.823	5.1	67.8	27.806	32.450	36.990	41.427	45.764	42.7	1.92	77	2276.7
2400	2.436	2.256	34.823	5.1	67.4	27.809	32.454	36.995	41.433	45.771	42.9	1.96	41	2375.1
2426	2.429	2.247	34.823	5.1	67.6	27.810	32.455	36.996	41.435	45.773	42.9	1.97	39	2400.7


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
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500.
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3000.
3500.
4000.
4500.
5000.
PRESSURE (DECIBARS)
PT
SA
OX
KN 104/5
56
OXYGEN (ML/L)
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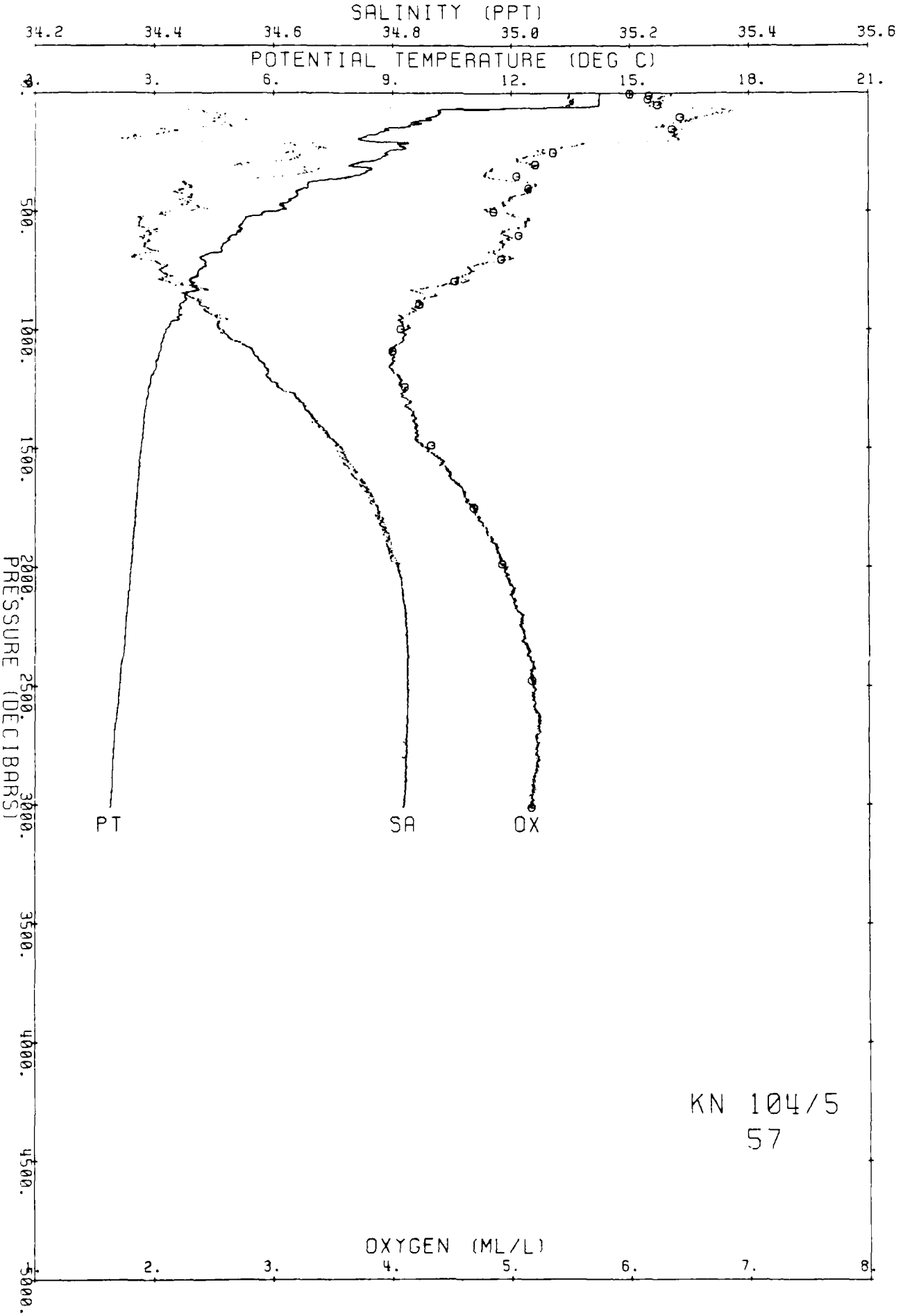

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
34.1
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34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
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4.8
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KN 104/5
56

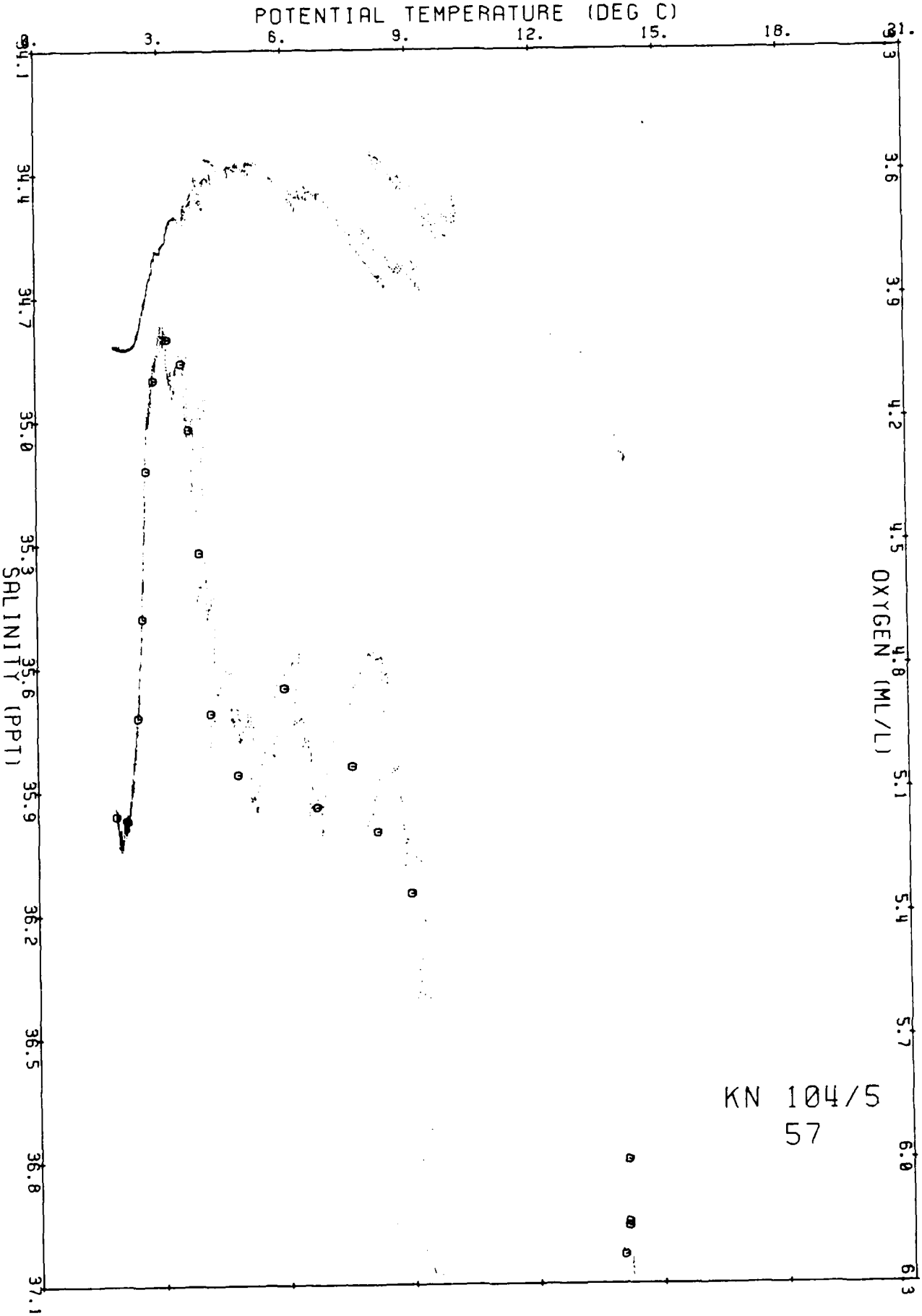

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
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9.
12.
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18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
KN 104/5
56
PT
SA
OX
OXYGEN (ML/L)
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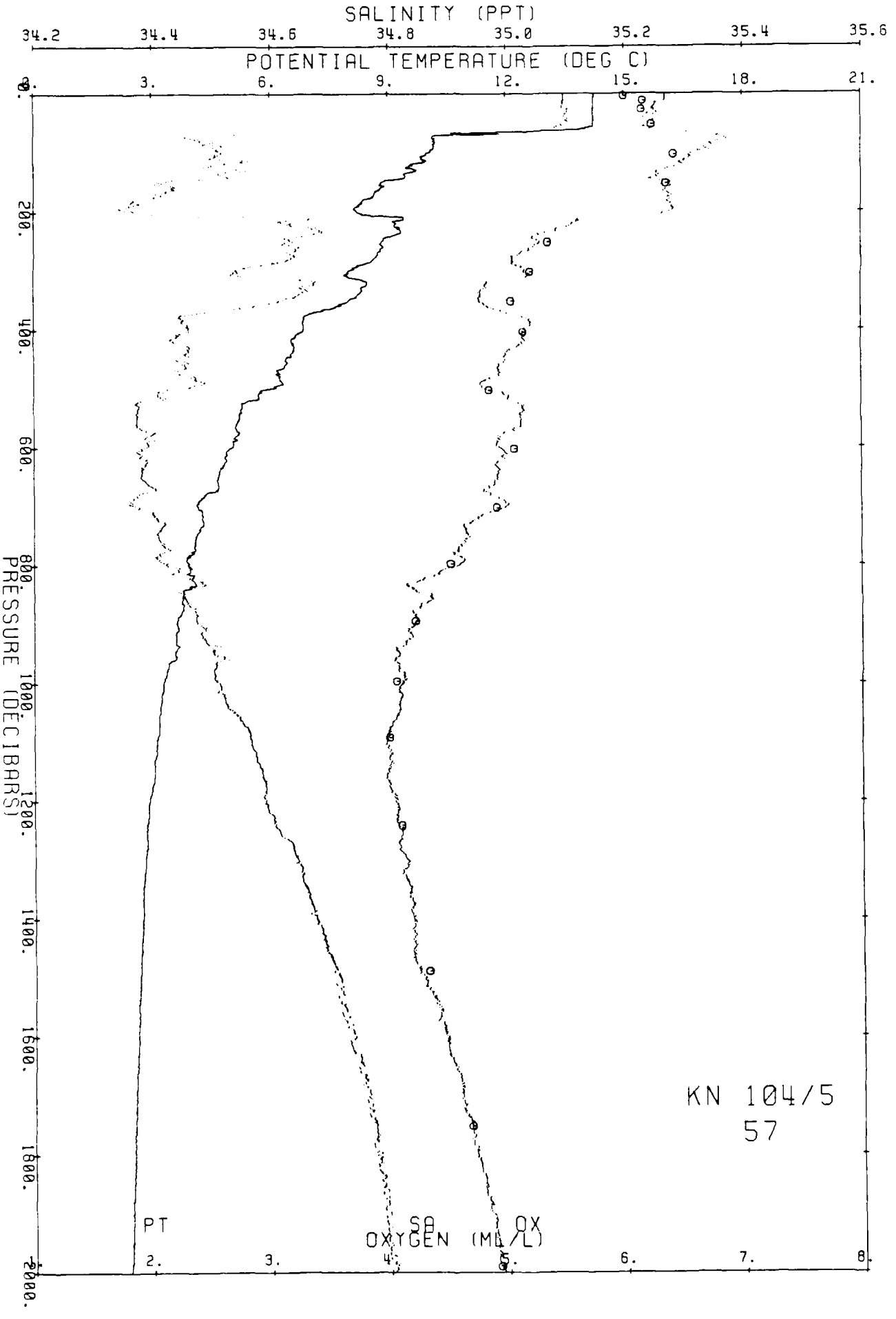
Ship KN Cruise 1045 Station 57 Cast 1 DT
Start 41 9.96 S 25 39.62 E at 54 83/12/ 4
End 41 11.99 S 25 39.33 E at 337

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	14.242	14.242	35.098	6.3	110.0	26.212	30.582	34.854	39.033	43.121	179.5	0.00	0.00	0.0
10	14.242	14.241	35.098	6.3	110.0	26.213	30.582	34.855	39.034	43.121	179.8	.02	.31	10.0
20	14.239	14.237	35.096	6.3	108.4	26.212	30.582	34.854	39.033	43.121	180.2	.04	.43	19.9
30	14.225	14.221	35.105	6.3	108.7	26.222	30.592	34.865	39.044	43.132	179.5	.05	1.79	29.9
40	14.228	14.222	35.106	6.2	106.7	26.223	30.592	34.866	39.045	43.133	179.8	.07	.41	39.8
50	14.216	14.209	35.102	6.2	107.4	26.223	30.593	34.866	39.045	43.133	180.1	.09	.26	49.8
60	14.007	13.998	35.043	6.2	107.2	26.221	30.596	34.873	39.057	43.149	180.5	.11	.52	59.8
70	10.271	10.263	34.520	6.8	107.8	26.532	30.985	35.339	39.596	43.759	150.8	.12	9.95	69.7
80	10.161	10.152	34.482	6.8	107.9	26.522	30.977	35.334	39.593	43.759	152.0	.14	1.80	79.7
90	10.181	10.171	34.506	6.7	106.2	26.537	30.992	35.348	39.607	43.772	150.7	.15	2.20	89.6
100	10.008	9.997	34.518	6.6	104.2	26.576	31.035	35.394	39.657	43.825	147.2	.17	3.52	99.6
120	9.578	9.565	34.501	6.5	101.6	26.636	31.104	35.472	39.744	43.921	142.0	.20	3.08	119.5
140	9.453	9.437	34.527	6.3	97.7	26.677	31.148	35.519	39.793	43.972	138.4	.23	2.55	139.4
160	8.809	8.792	34.435	6.3	97.0	26.709	31.195	35.580	39.868	44.061	135.6	.25	2.31	159.3
180	8.370	8.352	34.369	6.4	96.9	26.725	31.221	35.617	39.915	44.117	134.3	.28	1.69	179.2
200	8.244	8.224	34.377	6.4	96.8	26.751	31.250	35.649	39.949	44.154	132.2	.31	2.03	199.1
220	9.220	9.196	34.633	5.6	86.3	26.799	31.275	35.650	39.928	44.112	128.5	.33	2.60	219.0
240	9.143	9.117	34.658	5.3	81.6	26.832	31.309	35.686	39.965	44.150	125.8	.36	2.27	238.9
260	8.908	8.880	34.648	5.2	80.4	26.862	31.344	35.726	40.011	44.200	123.3	.38	2.21	258.8
280	8.647	8.618	34.630	5.1	77.4	26.889	31.377	35.765	40.056	44.251	120.9	.41	2.13	278.7
300	8.033	8.003	34.543	5.1	77.8	26.915	31.417	35.820	40.124	44.332	118.5	.43	2.16	298.6
320	8.497	8.464	34.675	4.8	73.9	26.948	31.440	35.831	40.124	44.322	116.1	.46	2.16	318.5
340	8.266	8.231	34.649	4.8	72.6	26.964	31.460	35.857	40.155	44.358	114.8	.48	1.63	338.3
360	7.704	7.669	34.572	4.8	72.6	26.987	31.497	35.906	40.218	44.433	112.6	.50	2.09	358.2
380	6.904	6.869	34.449	5.2	76.1	27.003	31.533	35.961	40.291	44.524	110.7	.52	1.92	378.1
400	6.868	6.831	34.459	5.2	75.7	27.016	31.547	35.976	40.307	44.540	109.7	.55	1.45	398.0
450	6.434	6.393	34.441	5.0	72.6	27.060	31.602	36.041	40.382	44.625	105.9	.60	1.75	447.6
500	6.013	5.969	34.427	4.8	69.4	27.104	31.656	36.106	40.456	44.709	102.1	.65	1.74	497.3
550	5.256	5.211	34.374	5.1	72.3	27.155	31.725	36.194	40.562	44.833	97.0	.70	1.95	547.0
600	5.067	5.019	34.388	4.9	69.6	27.188	31.764	36.237	40.610	44.884	94.2	.75	1.51	596.6
650	4.740	4.689	34.381	4.9	68.8	27.220	31.804	36.285	40.666	44.948	91.3	.80	1.52	646.2
700	4.216	4.164	34.378	5.0	68.8	27.274	31.872	36.367	40.760	45.055	85.8	.84	1.99	695.8
750	4.175	4.119	34.411	4.7	64.5	27.305	31.904	36.399	40.794	45.089	83.3	.88	1.41	745.4
800	3.973	3.914	34.427	4.6	62.8	27.339	31.943	36.444	40.843	45.143	80.2	.92	1.54	795.0
900	3.696	3.631	34.483	4.2	57.5	27.412	32.023	36.531	40.936	45.243	73.7	1.00	1.57	894.1
1000	3.353	3.282	34.514	4.1	55.6	27.471	32.091	36.607	41.021	45.336	68.3	1.07	1.45	993.2
1100	3.195	3.118	34.566	4.0	53.5	27.528	32.152	36.672	41.090	45.408	63.3	1.14	1.38	1092.2
1200	3.004	2.920	34.590	4.0	54.2	27.565	32.194	36.719	41.142	45.465	60.0	1.20	1.16	1191.2
1300	2.893	2.802	34.644	4.1	55.4	27.619	32.251	36.778	41.204	45.529	55.4	1.26	1.33	1290.1
1400	2.824	2.726	34.674	4.2	55.9	27.650	32.283	36.813	41.240	45.567	53.0	1.31	1.02	1388.9
1500	2.752	2.647	34.714	4.3	57.2	27.689	32.324	36.855	41.284	45.613	49.8	1.36	1.14	1487.7
1600	2.719	2.606	34.740	4.5	59.7	27.713	32.349	36.881	41.311	45.641	48.1	1.41	.90	1586.5
1700	2.684	2.563	34.758	4.6	61.3	27.731	32.368	36.901	41.332	45.663	47.0	1.46	.78	1685.2
1800	2.648	2.519	34.777	4.7	62.8	27.750	32.388	36.922	41.354	45.686	45.7	1.51	.80	1783.9
1900	2.593	2.456	34.798	4.9	64.6	27.772	32.412	36.948	41.381	45.714	44.1	1.55	.88	1882.5
2000	2.557	2.411	34.809	4.9	65.5	27.785	32.426	36.963	41.397	45.731	43.4	1.59	.68	1981.1
2100	2.512	2.358	34.816	5.0	66.2	27.795	32.437	36.975	41.411	45.746	42.8	1.64	.63	2079.6
2200	2.463	2.301	34.821	5.1	67.4	27.804	32.448	36.987	41.424	45.761	42.3	1.68	.61	2178.1
2300	2.424	2.254	34.824	5.1	67.7	27.810	32.455	36.996	41.434	45.772	42.1	1.72	.52	2276.5
2400	2.367	2.188	34.826	5.2	68.4	27.817	32.464	37.007	41.447	45.786	41.7	1.76	.59	2374.9
2500	2.318	2.131	34.825	5.2	68.3	27.821	32.470	37.014	41.455	45.796	41.6	1.81	.49	2473.3
2600	2.264	2.069	34.825	5.2	68.3	27.826	32.476	37.022	41.465	45.808	41.4	1.85	.54	2571.6
2700	2.205	2.001	34.823	5.2	68.6	27.830	32.482	37.030	41.475	45.819	41.2	1.89	.52	2669.8
2800	2.170	1.957	34.821	5.2	68.6	27.832	32.485	37.034	41.480	45.825	41.3	1.93	.40	2768.1
2900	2.159	1.937	34.821	5.2	67.9	27.834	32.488	37.037	41.483	45.829	41.6	1.97	.32	2866.2
3000	2.133	1.901	34.819	5.2	67.8	27.835	32.490	37.040	41.487	45.834	41.8	2.01	.35	2964.3
3013	2.113	1.881	34.817	5.1	67.3	27.835	32.490	37.041	41.489	45.836	41.7	2.02	.65	2977.1

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	14.149	14.148	35.092	6.00	4.8	0.40	1.7	0.09	0.64	26.228	30.599	34.873	39.054	43.143	4.2
12	14.142	14.140	35.090	6.16	5.1	0.38	1.2	0.08	0.63	26.228	30.599	34.874	39.055	43.144	11.9
27	14.152	14.148	35.089	6.15	4.9	0.38	2.2	0.08	0.65	26.225	30.597	34.871	39.052	43.141	26.6
53	14.057	14.049	35.070	6.23	2.8	0.38	2.8	0.09	0.61	26.232	30.605	34.881	39.064	43.155	52.1
103	9.798	9.786	34.508	6.42	2.8	0.95	10.1	0.33	0.58	26.604	31.067	35.431	39.698	43.871	102.0
152	9.099	9.083	34.445	6.35	5.6	1.12	14.4	0.06	0.42	26.671	31.150	35.529	39.811	43.998	150.6
202	10.216	10.192	34.808							26.769	31.222	35.575	39.832	43.994	199.8
252	9.017	8.990	34.637	5.35	6.5	1.38	17.4	0.01	0.42	26.836	31.316	35.695	39.978	44.165	249.4
302	8.200	8.169	34.557	5.20	8.2	1.52	13.6		0.20	26.901	31.400	35.798	40.098	44.303	298.8
352	7.608	7.573	34.535	5.04	7.4	1.69	12.8		0.33	26.972	31.484	35.896	40.210	44.427	348.5
404	6.750	6.713	34.446	5.14	11.5	1.86	15.4		0.31	27.022	31.555	35.988	40.321	44.557	400.0
503	6.001	5.957	34.455	4.85	17.4	2.08	19.3		0.39	27.128	31.679	36.129	40.480	44.733	497.8
602	4.870	4.822	34.366	5.06	18.2	2.20	19.9		0.23	27.193	31.774	36.252	40.630	44.909	596.6
702	4.217	4.164	34.366	4.91	20.1	2.34	20.3		0.26	27.265	31.863	36.357	40.751	45.046	695.0
798	3.975	3.916	34.417	4.52	24.1	2.45	17.5		0.31	27.331	31.935	36.436	40.835	45.135	789.9
895	3.749	3.684	34.468	4.22	45.4	2.56	33.2		0.21	27.395	32.005	36.511	40.916	45.221	885.6
996	3.593	3.521	34.531	4.06	56.2	2.61	37.4		0.23	27.462	32.075	36.585	40.993	45.302	986.1
1093	3.255	3.178	34.559	4.00	51.7	2.62	30.9		0.21	27.517	32.139	36.657	41.074	45.391	1081.0
1242	2.934	2.848	34.608	4.10	29.7	2.57	16.2		0.21	27.586	32.217	36.744	41.168	45.493	1228.1
1489	2.755	2.650	34.710	4.32	39.1	2.41	21.7		0.23	27.685	32.320	36.852	41.281	45.609	1472.0
1752	2.655	2.530	34.772	4.68	56.1	2.19	29.7		0.55	27.745	32.383	36.917	41.349	45.680	1730.4
1989	2.561	2.416	34.805	4.92	36.0	2.05	18.1		0.32	27.781	32.422	36.959	41.393	45.727	1964.3
2477	2.327	2.142	34.824	5.17	41.6	1.98	20.2		0.29	27.819	32.468	37.011	41.453	45.793	2442.9
3014	2.113	1.881	34.819	5.16	51.9	2.05	22.8		0.57	27.836	32.492	37.043	41.491	45.838	2968.8


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
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18.
21.
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
PT
SA
OX
KN 104/5
57
OXYGEN (ML/L)
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POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
5.4
5.7
6.0
6.3
KN 104/5
57


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
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3.
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9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
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OX
OXYGEN (ML/L)
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KN 104/5
57

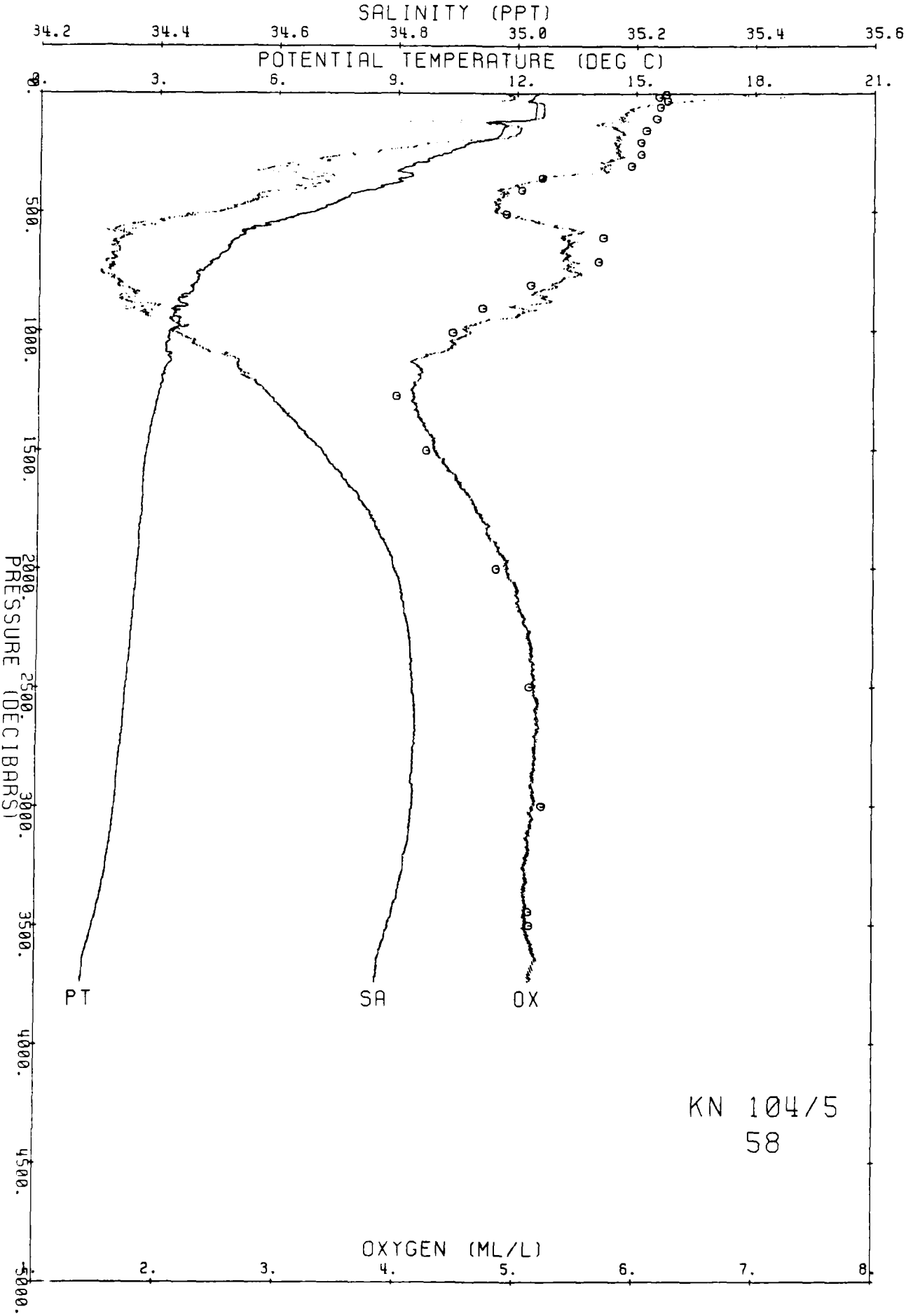
Ship KN Cruise 1045 Station 58 Cast 1 DT

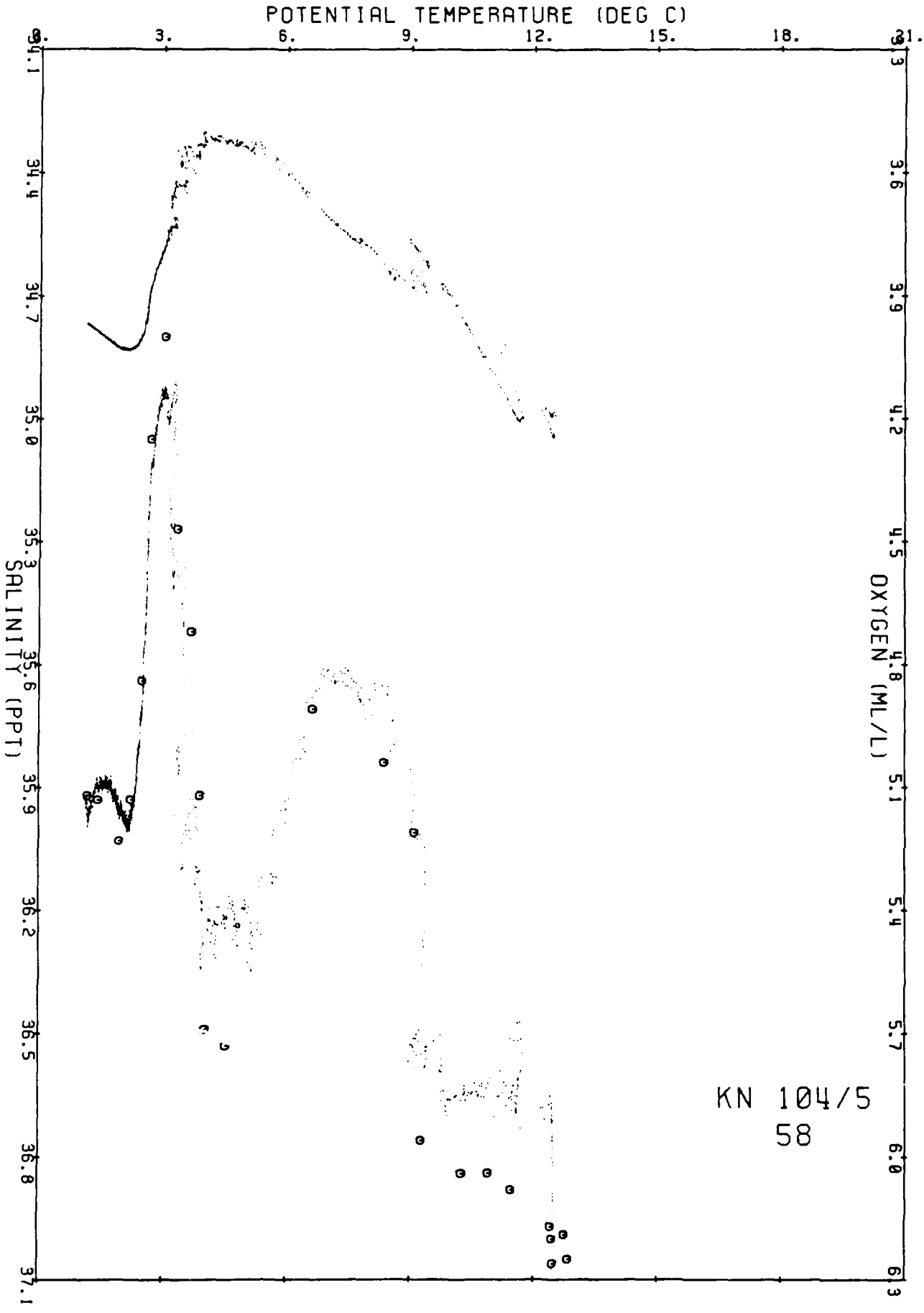
Start 42 .60 S 25 40.47 E at 928 83/12/ 4

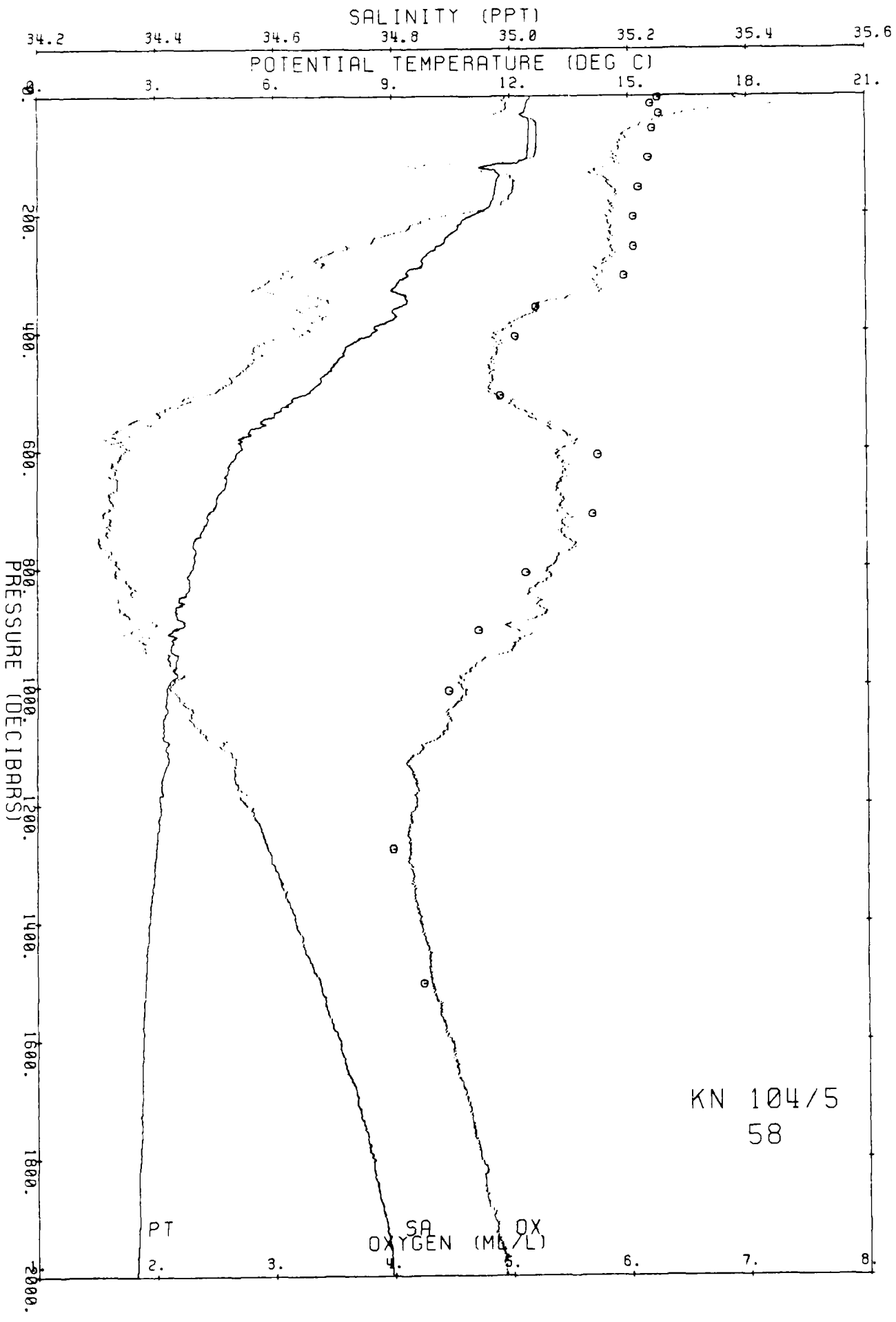
End 42 1.35 S 25 39.41 E at 1234

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	12.516	12.516	34.992	6.9	115.1	26.483	30.887	35.192	39.403	43.521	153.8	0.00	0.00	0.0
10	12.439	12.438	34.993	7.1	117.6	26.499	30.904	35.211	39.424	43.543	152.5	.02	2.24	10.0
20	12.409	12.406	34.994	6.9	114.3	26.506	30.912	35.220	39.432	43.553	152.2	.03	1.48	19.9
30	12.277	12.274	34.978	6.5	107.4	26.520	30.928	35.239	39.454	43.576	151.1	.05	2.06	29.9
40	12.476	12.471	35.039	6.2	103.7	26.529	30.933	35.239	39.450	43.569	150.6	.06	1.65	39.8
50	12.486	12.479	35.044	6.1	101.8	26.531	30.935	35.241	39.452	43.570	150.7	.08	84	49.8
60	12.478	12.471	35.044	6.0	99.9	26.533	30.937	35.243	39.454	43.573	150.8	.09	74	59.8
70	12.470	12.461	35.044	6.0	99.7	26.535	30.939	35.245	39.456	43.575	150.9	.11	76	69.7
80	12.471	12.460	35.045	5.9	98.7	26.536	30.940	35.246	39.457	43.576	151.1	.12	.54	79.7
90	12.467	12.455	35.043	5.9	98.8	26.535	30.939	35.246	39.457	43.576	151.4	.14	39	89.6
100	12.461	12.448	35.042	5.9	98.1	26.536	30.940	35.246	39.458	43.577	151.6	.15	.42	99.6
120	11.315	11.300	34.819	5.8	94.7	26.580	31.009	35.340	39.575	43.716	147.7	.18	2.73	119.5
140	11.700	11.683	35.000	5.8	95.2	26.650	31.070	35.392	39.618	43.751	141.7	.21	3.27	139.4
160	11.626	11.606	35.003	5.9	96.6	26.667	31.088	35.411	39.639	43.774	140.6	.24	1.63	159.3
180	11.535	11.512	34.987	5.8	95.3	26.672	31.095	35.421	39.650	43.787	140.6	.27	93	179.2
200	11.156	11.131	34.916	5.9	95.0	26.687	31.119	35.452	39.689	43.833	139.6	.29	1.61	199.1
220	10.697	10.670	34.830	5.9	93.9	26.703	31.145	35.488	39.735	43.888	138.3	.32	1.69	219.0
240	10.398	10.370	34.771	5.9	93.5	26.710	31.158	35.508	39.762	43.921	138.0	.35	1.15	238.9
260	10.130	10.100	34.727	5.9	92.8	26.722	31.17	35.533	39.792	43.957	137.2	.38	1.48	258.8
280	9.772	9.741	34.672	5.8	91.0	26.740	31.203	35.567	39.834	44.006	135.7	.40	1.78	278.7
300	9.407	9.374	34.617	5.8	90.1	26.758	31.229	35.601	39.876	44.056	134.2	.43	1.78	298.6
320	9.132	9.097	34.580	5.7	88.8	26.774	31.252	35.630	39.910	44.096	133.0	.46	1.67	318.5
340	9.391	9.353	34.675	5.5	85.5	26.807	31.278	35.650	39.925	44.105	130.5	.48	2.19	338.3
360	9.068	9.029	34.639	5.2	80.5	26.831	31.310	35.689	39.971	44.157	128.3	.51	2.06	358.2
380	8.976	8.935	34.669	5.0	77.8	26.870	31.350	35.731	40.015	44.203	125.1	.54	2.47	378.1
400	8.547	8.505	34.643	4.9	74.8	26.917	31.407	35.798	40.090	44.288	120.6	.56	2.83	398.0
450	7.642	7.597	34.563	4.8	72.4	26.990	31.502	35.913	40.226	44.442	113.8	.62	2.27	447.7
500	6.961	6.914	34.502	4.8	70.9	27.039	31.567	35.994	40.322	44.554	109.3	.68	1.88	497.3
550	5.728	5.681	34.359	5.2	74.6	27.086	31.645	36.103	40.460	44.720	104.0	.73	2.00	547.0
600	5.160	5.112	34.349	5.4	76.1	27.146	31.720	36.191	40.562	44.835	98.2	.78	2.07	596.6
650	4.834	4.783	34.335	5.4	75.7	27.173	31.755	36.234	40.613	44.894	95.8	.83	1.41	646.2
700	4.513	4.459	34.322	5.4	75.4	27.198	31.789	36.276	40.663	44.951	93.4	.87	1.39	695.9
750	4.047	3.992	34.303	5.5	75.0	27.233	31.835	36.335	40.733	45.032	89.9	.92	1.64	745.5
800	3.996	3.937	34.336	5.3	72.7	27.265	31.868	36.369	40.769	45.069	87.3	.96	1.43	795.0
900	3.628	3.563	34.371	5.0	67.6	27.330	31.943	36.453	40.862	45.171	81.2	1.05	1.51	894.2
1000	3.364	3.293	34.424	4.6	61.8	27.398	32.018	36.535	40.950	45.265	75.1	1.13	1.53	993.2
1100	3.370	3.292	34.512	4.2	57.3	27.468	32.088	36.604	41.018	45.333	69.3	1.20	1.47	1092.3
1200	3.184	3.099	34.551	4.2	56.5	27.518	32.142	36.663	41.082	45.400	65.0	1.27	1.31	1191.2
1300	3.052	2.960	34.595	4.1	55.5	27.566	32.193	36.717	41.139	45.461	60.9	1.33	1.27	1290.1
1400	2.923	2.824	34.635	4.2	56.5	27.610	32.241	36.768	41.193	45.518	57.1	1.39	1.23	1389.0
1500	2.823	2.717	34.674	4.3	57.6	27.651	32.284	36.814	41.241	45.569	53.6	1.44	1.18	1487.8
1600	2.767	2.654	34.709	4.5	59.7	27.684	32.319	36.850	41.279	45.608	51.0	1.50	1.06	1586.6
1700	2.748	2.626	34.738	4.6	61.5	27.710	32.345	36.877	41.306	45.635	49.2	1.55	.91	1685.3
1800	2.709	2.579	34.764	4.7	62.9	27.735	32.371	36.904	41.334	45.664	47.4	1.59	91	1784.0
1900	2.682	2.543	34.783	4.8	64.4	27.753	32.390	36.924	41.355	45.686	46.3	1.64	78	1882.6
2000	2.631	2.485	34.797	4.9	65.4	27.769	32.408	36.943	41.375	45.708	45.2	1.69	.77	1981.2
2100	2.587	2.432	34.808	5.0	66.7	27.782	32.423	36.959	41.393	45.726	44.4	1.73	.71	2079.7
2200	2.559	2.395	34.817	5.1	67.2	27.793	32.434	36.971	41.406	45.740	43.9	1.78	.62	2178.2
2300	2.513	2.342	34.823	5.1	68.0	27.802	32.445	36.983	41.419	45.755	43.4	1.82	62	2276.6
2400	2.470	2.289	34.825	5.1	68.1	27.808	32.452	36.992	41.429	45.766	43.2	1.86	54	2375.0
2500	2.431	2.242	34.830	5.2	68.5	27.816	32.461	37.003	41.441	45.779	42.8	1.91	.58	2473.4
2600	2.387	2.189	34.832	5.2	68.4	27.822	32.469	37.011	41.451	45.790	42.6	1.95	.54	2571.7
2700	2.346	2.139	34.833	5.2	68.3	27.827	32.475	37.019	41.460	45.801	42.4	1.99	.51	2669.9
2800	2.287	2.072	34.831	5.2	68.5	27.831	32.481	37.026	41.469	45.812	42.2	2.03	.52	2768.2
2900	2.233	2.009	34.827	5.2	68.0	27.833	32.485	37.032	41.476	45.820	42.2	2.08	.46	2866.3
3000	2.198	1.965	34.828	5.2	67.7	27.837	32.490	37.039	41.484	45.829	42.1	2.12	.49	2964.5
3200	2.055	1.805	34.817	5.1	66.9	27.841	32.498	37.051	41.501	45.850	41.6	2.20	.52	3160.6
3400	1.852	1.587	34.801	5.1	66.5	27.844	32.508	37.067	41.523	45.878	40.5	2.28	.60	3356.5
3600	1.544	1.266	34.776	5.1	66.4	27.847	32.521	37.089	41.554	45.917	38.3	2.36	.73	3552.3
3738	1.438	1.148	34.768	5.1	66.0	27.849	32.526	37.098	41.566	45.932	37.6	2.41	.56	3687.2

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
3	12.838	12.838	35.057	6.25	3.5	0.56	2.9	0.18	0.48	26.470	30.867	35.166	39.370	43.482	3.2
14	12.755	12.753	35.055	6.19	3.9	0.57	4.6	0.18	0.54	26.485	30.884	35.184	39.390	43.504	13.4
30	12.470	12.466	35.045	6.26	3.0	0.58	5.3	0.18	0.54	26.534	30.938	35.245	39.456	43.575	30.0
55	12.454	12.447	35.045	6.20	2.6	0.57	4.7	0.19	0.62	26.538	30.942	35.249	39.461	43.580	54.7
105	12.425	12.411	35.044	6.17	2.6	0.58	4.6	0.21	0.76	26.544	30.949	35.257	39.469	43.589	104.4
156	11.465	11.445	34.976	6.08	5.2	0.76	9.2	0.04	0.26	26.676	31.101	35.427	39.658	43.796	154.3
205	10.925	10.900	34.878	6.04	2.6	0.86	6.7	0.02	0.31	26.699	31.136	35.474	39.716	43.865	203.4
256	10.286	10.256	34.753	6.04	5.1	0.98	9.1	0.02	0.20	26.716	31.167	35.519	39.775	43.937	253.8
306	9.303	9.269	34.598	5.96	3.6	1.18	10.5	0.01		26.760	31.234	35.608	39.885	44.067	303.0
358	9.134	9.095	34.662	5.21	8.3	1.38	14.7		0.25	26.839	31.316	35.693	39.973	44.158	354.3
408	8.420	8.377	34.616	5.04	7.8	1.55	10.0		0.34	26.915	31.409	35.802	40.098	44.293	403.8
508	6.690	6.643	34.479	4.91	13.1	1.90	17.7			27.057	31.592	36.026	40.360	44.598	503.5
608	4.589	4.542	34.255	5.73	9.1	2.02	16.4			27.136	31.725	36.211	40.596	44.883	602.4
709	4.094	4.042	34.257	5.69	15.5	2.14	19.8			27.191	31.793	36.291	40.689	44.987	702.1
808	3.977	3.917	34.321	5.12	21.3	2.31	26.9			27.255	31.859	36.360	40.761	45.061	800.0
906	3.758	3.692	34.375	4.72	23.6	2.43	24.1			27.320	31.930	36.437	40.842	45.148	896.4
1008	3.421	3.349	34.420	4.47	32.4	2.54	30.4			27.390	32.008	36.524	40.937	45.251	997.8
1275	3.137	3.046	34.575	4.00	27.3	2.60	18.8			27.542	32.167	36.689	41.109	45.429	1261.0
1503	2.811	2.705	34.671	4.25	51.5	2.43	36.7		0.25	27.649	32.283	36.813	41.241	45.569	1485.8
2001	2.646	2.499	34.795	4.84	26.9	2.11	17.9			27.766	32.405	36.939	41.372	45.703	1975.9
2498	2.433	2.244	34.829	5.13	42.7	1.97	27.7		0.35	27.815	32.460	37.001	41.440	45.778	2463.4
3000	2.187	1.954	34.826	5.23	31.0	1.97	16.7		0.23	27.836	32.490	37.038	41.484	45.830	2955.1
3442	1.437	1.178	34.764	5.12	56.4	2.22	28.2		0.25	27.844	32.520	37.091	41.558	45.923	3387.3
3501	1.713	1.441	34.786	5.13	38.1	2.13	17.1		0.33	27.843	32.511	37.075	41.535	45.893	3444.5


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
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500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
PRESSURE (DECIBARS)
PT
SA
OX
KN 104/5
58
OXYGEN (ML/L)
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3.
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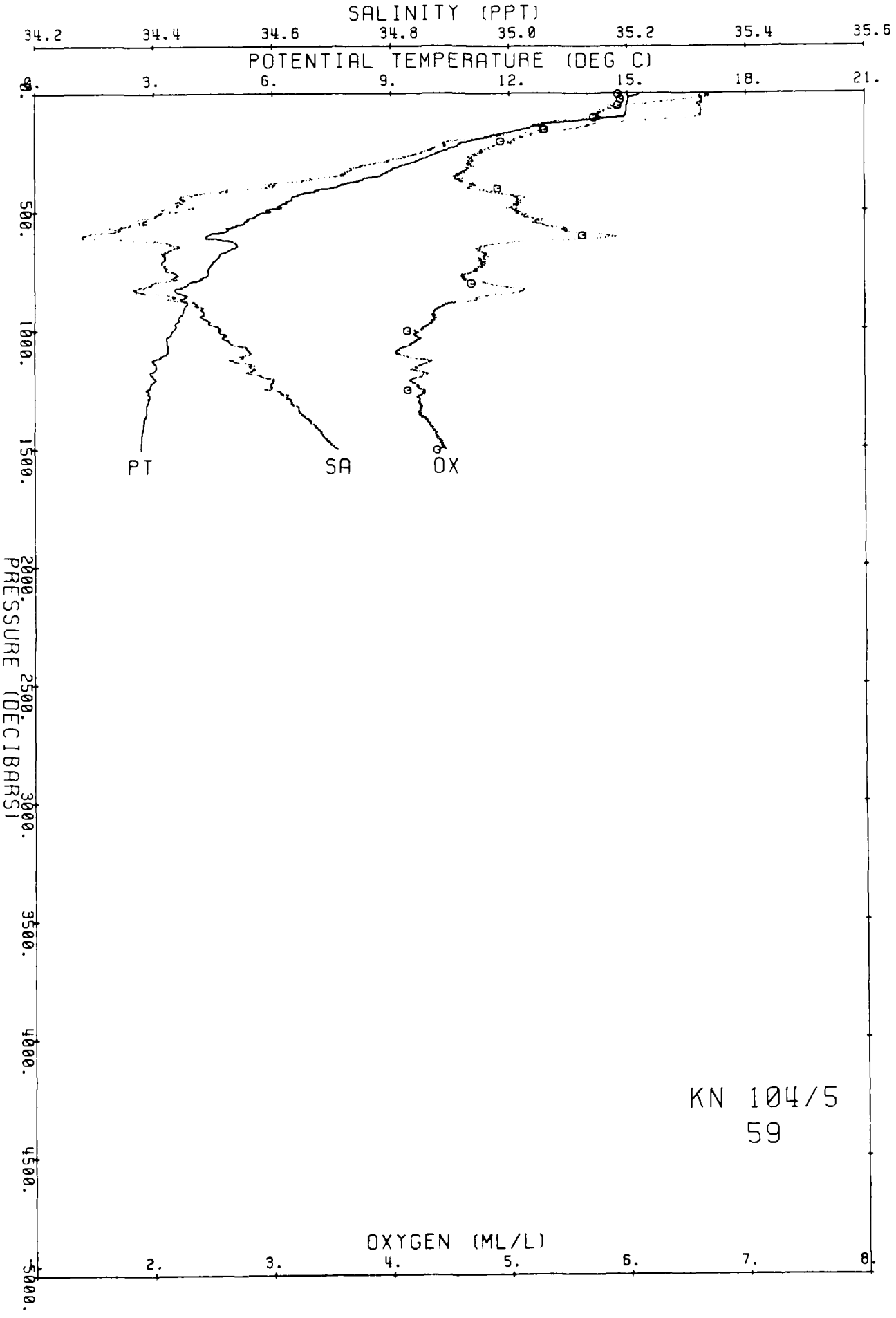

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
5.4
5.7
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6.3
KN 104/5
58

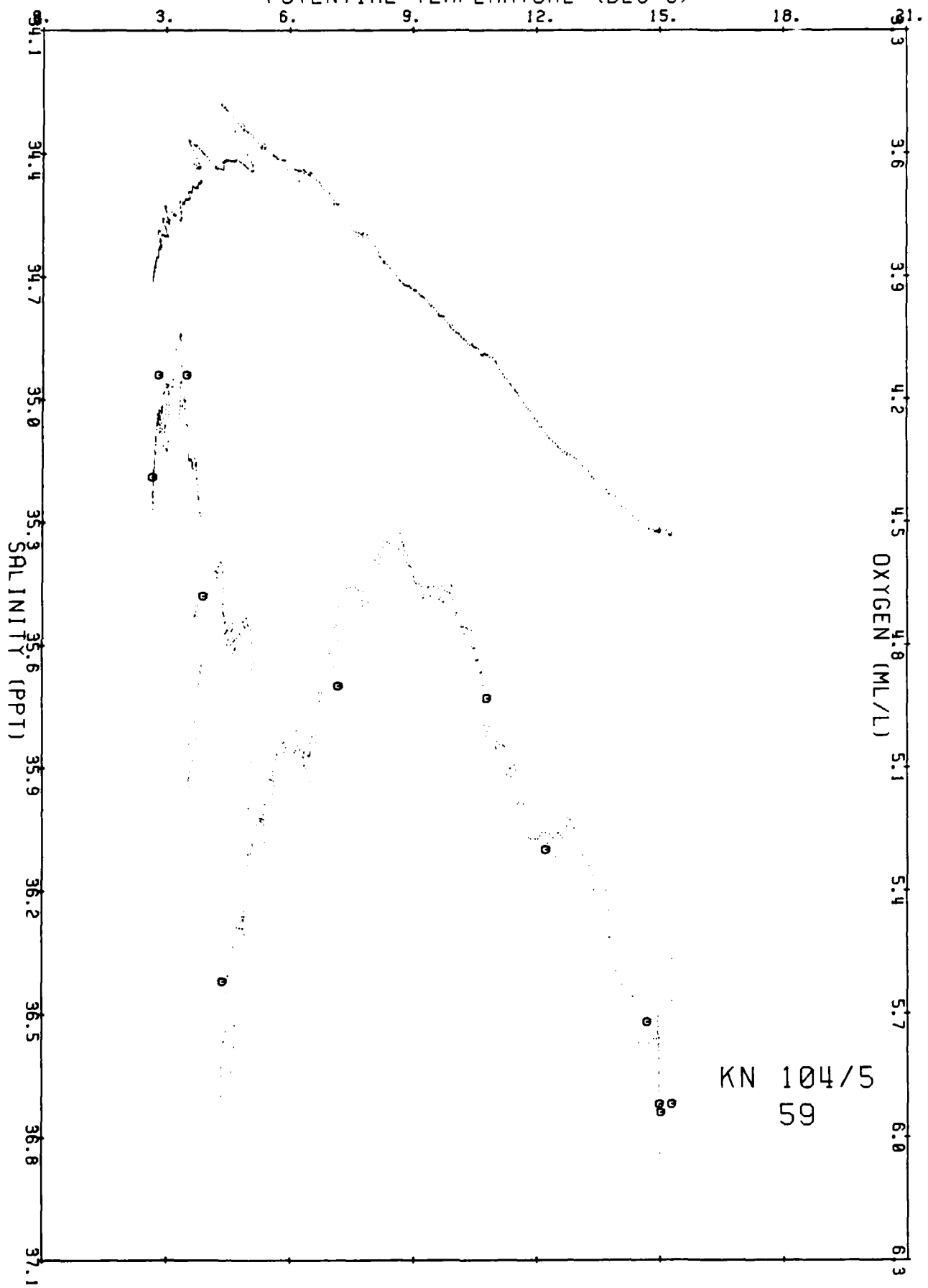

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
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21.
200.
400.
600.
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1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
KN 104/5
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PT
SA
OX
OXYGEN (ML/L)
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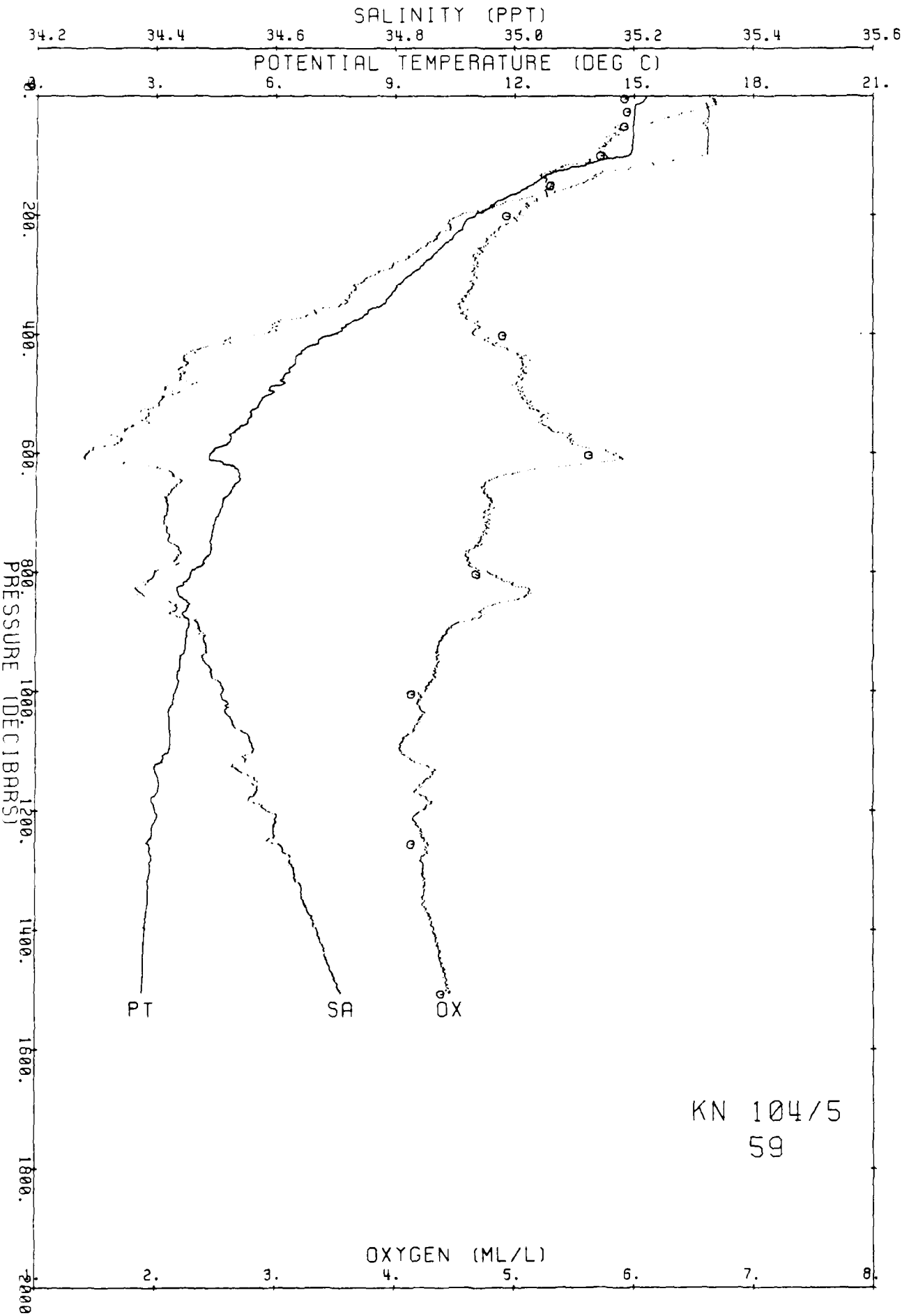
Ship KN Cruise 1045 Station 59 Cast 1 DT
Start 40 30.89 S 24 27.02 E at 229 83/12/ 5
End 40 30.73 S 24 27.19 E at 336

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	15.302	15.302	35.333	5.6	98.7	26.163	30.511	34.763	38.923	42.991	184.2	0.00	0.00	0.0
10	15.241	15.239	35.332	6.7	118.3	26.176	30.525	34.779	38.939	43.008	183.3	.02	2.03	10.0
20	15.028	15.025	35.324	6.6	116.5	26.217	30.571	34.828	38.992	43.065	179.7	.04	3.60	19.9
30	15.020	15.016	35.326	6.4	112.8	26.221	30.574	34.832	38.996	43.069	179.7	.05	1.05	29.9
40	15.002	14.996	35.325	6.2	109.6	26.224	30.578	34.836	39.000	43.074	179.7	.07	1.07	39.8
50	14.996	14.989	35.320	5.9	103.4	26.222	30.576	34.834	38.999	43.072	180.2	.09	.85	49.8
60	14.987	14.978	35.324	5.9	104.4	26.227	30.582	34.840	39.005	43.078	180.0	.11	1.31	59.8
70	14.988	14.978	35.324	5.8	101.7	26.227	30.582	34.840	39.005	43.078	180.4	.13	.04	69.7
80	14.988	14.976	35.325	5.8	101.5	26.229	30.583	34.841	39.006	43.080	180.6	.14	.59	79.7
90	14.975	14.962	35.324	5.7	100.9	26.231	30.586	34.844	39.009	43.083	180.7	.16	.88	89.7
100	14.859	14.844	35.320	5.8	101.2	26.254	30.611	34.871	39.038	43.114	178.8	.18	2.68	99.6
120	13.436	13.419	35.195	5.4	92.1	26.459	30.844	35.131	39.324	43.425	159.6	.21	5.72	119.5
140	12.669	12.651	35.130	5.3	88.4	26.564	30.964	35.266	39.473	43.588	150.1	.25	4.09	139.4
160	12.175	12.154	35.068	5.3	87.3	26.613	31.023	35.335	39.552	43.676	145.9	.28	2.81	159.3
180	11.544	11.521	34.981	5.1	83.6	26.665	31.089	35.414	39.643	43.780	141.2	.30	2.93	179.2
200	11.057	11.032	34.909	5.1	81.8	26.699	31.133	35.469	39.708	43.854	138.3	.33	2.37	199.1
220	10.719	10.692	34.891	4.9	78.3	26.746	31.188	35.530	39.776	43.929	134.2	.36	2.76	219.0
240	10.462	10.434	34.867	4.8	76.1	26.773	31.220	35.568	39.819	43.977	132.0	.39	2.10	238.9
260	10.094	10.064	34.838	4.7	74.8	26.815	31.270	35.626	39.885	44.049	128.4	.41	2.61	258.8
280	9.801	9.769	34.798	4.7	73.9	26.834	31.295	35.657	39.923	44.094	126.9	.44	1.79	278.7
300	9.429	9.396	34.767	4.7	72.7	26.872	31.341	35.712	39.985	44.163	123.5	.46	2.51	298.6
320	9.095	9.060	34.735	4.6	72.0	26.901	31.379	35.756	40.037	44.222	120.9	.49	2.24	318.5
340	8.850	8.813	34.721	4.6	70.4	26.930	31.413	35.796	40.081	44.272	118.5	.51	2.18	338.4
360	8.359	8.321	34.664	4.6	70.2	26.962	31.456	35.850	40.147	44.348	115.5	.53	2.37	358.2
380	7.925	7.887	34.599	4.7	70.6	26.976	31.481	35.885	40.191	44.402	114.1	.56	1.69	378.1
400	7.517	7.478	34.577	4.7	69.5	27.018	31.533	35.947	40.262	44.481	110.1	.58	2.69	398.0
450	6.532	6.492	34.452	5.1	73.9	27.056	31.595	36.032	40.370	44.612	106.4	.63	1.73	447.7
500	5.952	5.909	34.427	5.0	72.6	27.112	31.665	36.116	40.468	44.722	101.3	.69	1.97	497.3
550	5.325	5.280	34.383	5.2	74.0	27.154	31.723	36.189	40.556	44.825	97.2	.74	1.77	547.0
600	4.402	4.357	34.283	5.8	81.0	27.178	31.772	36.262	40.652	44.943	94.1	.78	1.56	596.6
650	5.103	5.050	34.441	4.8	67.1	27.226	31.801	36.273	40.645	44.918	91.2	.83	1.50	646.2
700	4.649	4.594	34.419	4.8	66.4	27.261	31.847	36.330	40.713	44.997	87.9	.87	1.62	695.9
750	4.438	4.380	34.424	4.7	65.2	27.288	31.880	36.368	40.756	45.045	85.4	.92	1.40	745.4
800	3.945	3.887	34.398	4.8	65.5	27.319	31.924	36.425	40.826	45.127	82.1	.96	1.60	795.0
900	3.851	3.785	34.476	4.4	60.6	27.392	31.998	36.502	40.904	45.207	76.0	1.04	1.52	894.2
1000	3.567	3.495	34.511	4.3	57.8	27.448	32.062	36.573	40.982	45.292	70.9	1.11	1.41	993.2
1100	3.410	3.331	34.563	4.1	54.8	27.505	32.123	36.638	41.051	45.364	66.0	1.18	1.38	1092.2
1200	3.088	3.004	34.586	4.2	56.9	27.554	32.181	36.704	41.125	45.446	61.3	1.24	1.35	1191.2
1300	2.962	2.871	34.632	4.2	56.8	27.603	32.233	36.759	41.183	45.507	57.1	1.30	1.28	1290.1
1400	2.839	2.741	34.671	4.3	57.9	27.646	32.279	36.808	41.235	45.562	53.4	1.36	1.21	1389.0
1500	2.783	2.677	34.707	4.4	59.0	27.680	32.315	36.845	41.274	45.602	50.7	1.41	1.07	1487.8
1505	2.782	2.676	34.711	4.5	59.6	27.684	32.318	36.849	41.277	45.605	50.4	1.41	1.44	1492.7

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	15.285	15.284	35.338	5.92	3.9	0.26	0.9	0.08	0.78	26.170	30.519	34.772	38.931	43.000	3.8
26	15.019	15.015	35.330	5.94	3.1	0.25	1.1	0.08	0.68	26.224	30.578	34.835	38.999	43.072	25.8
51	14.993	14.985	35.329	5.92	2.2	0.25	1.2	0.08	0.78	26.230	30.584	34.842	39.006	43.080	51.0
102	14.704	14.689	35.319	5.72	2.9	0.35	2.3	0.25	0.79	26.287	30.647	34.910	39.079	43.158	100.8
152	12.245	12.225	35.079	5.30	5.5	0.88	6.2	0.04	0.39	26.608	31.016	35.327	39.542	43.665	150.5
202	10.825	10.800	34.898	4.93	6.2	1.19	9.2	0.03	0.38	26.733	31.171	35.512	39.756	43.906	200.3
403	7.212	7.173	34.525	4.90	10.0	1.82	17.0	0.01	0.36	27.021	31.543	35.964	40.286	44.512	399.1
603	4.407	4.361	34.277	5.62	10.6	2.14	15.7		0.92	27.173	31.766	36.257	40.646	44.937	597.7
805	3.960	3.901	34.394	4.68	20.0	2.39	19.6		0.38	27.314	31.919	36.420	40.820	45.121	796.6
1006	3.569	3.496	34.498	4.14	31.3	2.59	24.8		0.35	27.438	32.052	36.563	40.972	45.281	995.2
1256	2.899	2.812	34.590	4.14	33.5	2.58	23.3		0.32	27.575	32.207	36.735	41.160	45.486	1242.5
1507	2.779	2.673	34.706	4.39	37.6	2.35	25.7		0.33	27.680	32.315	36.845	41.274	45.602	1490.3


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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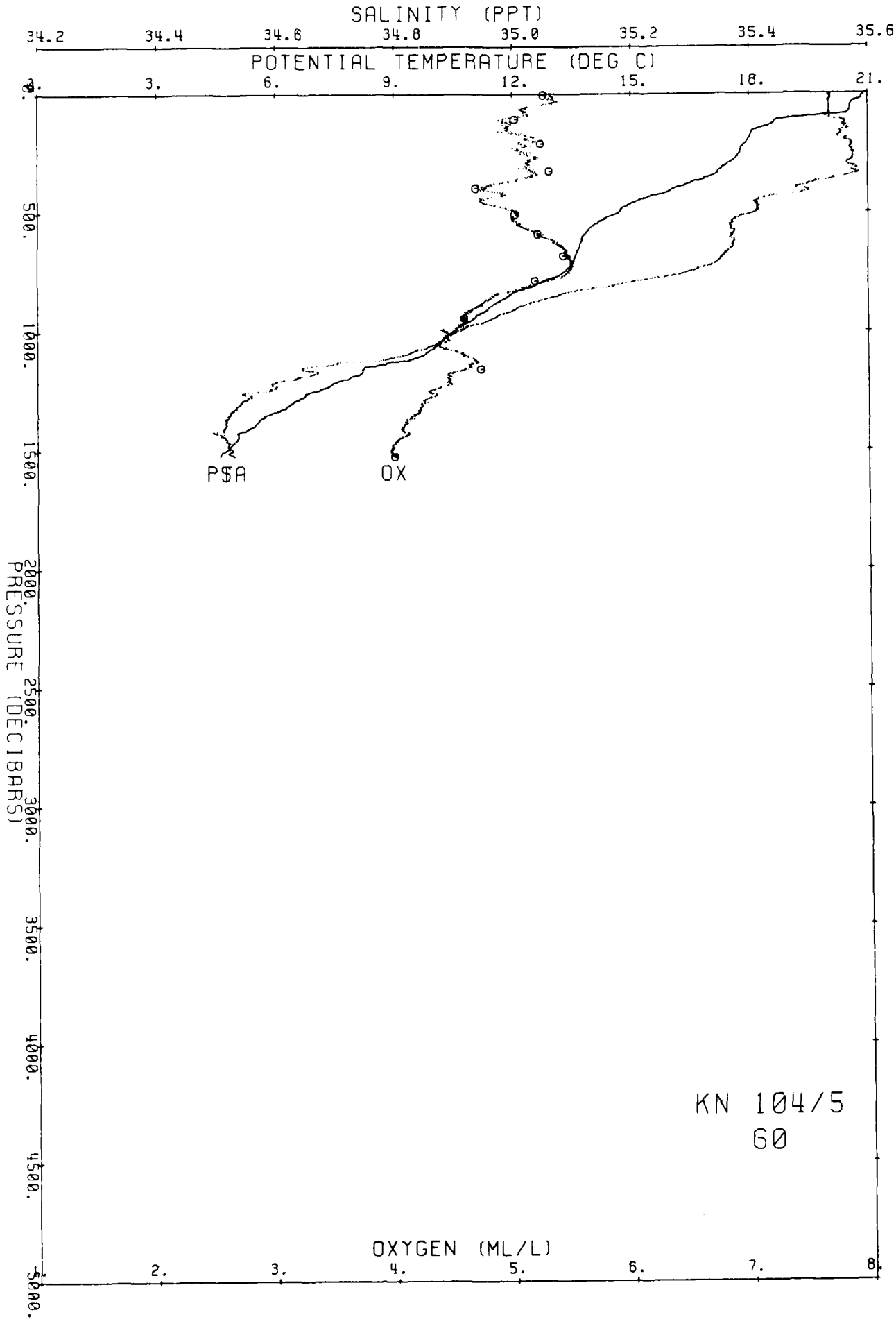

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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KN 104/5
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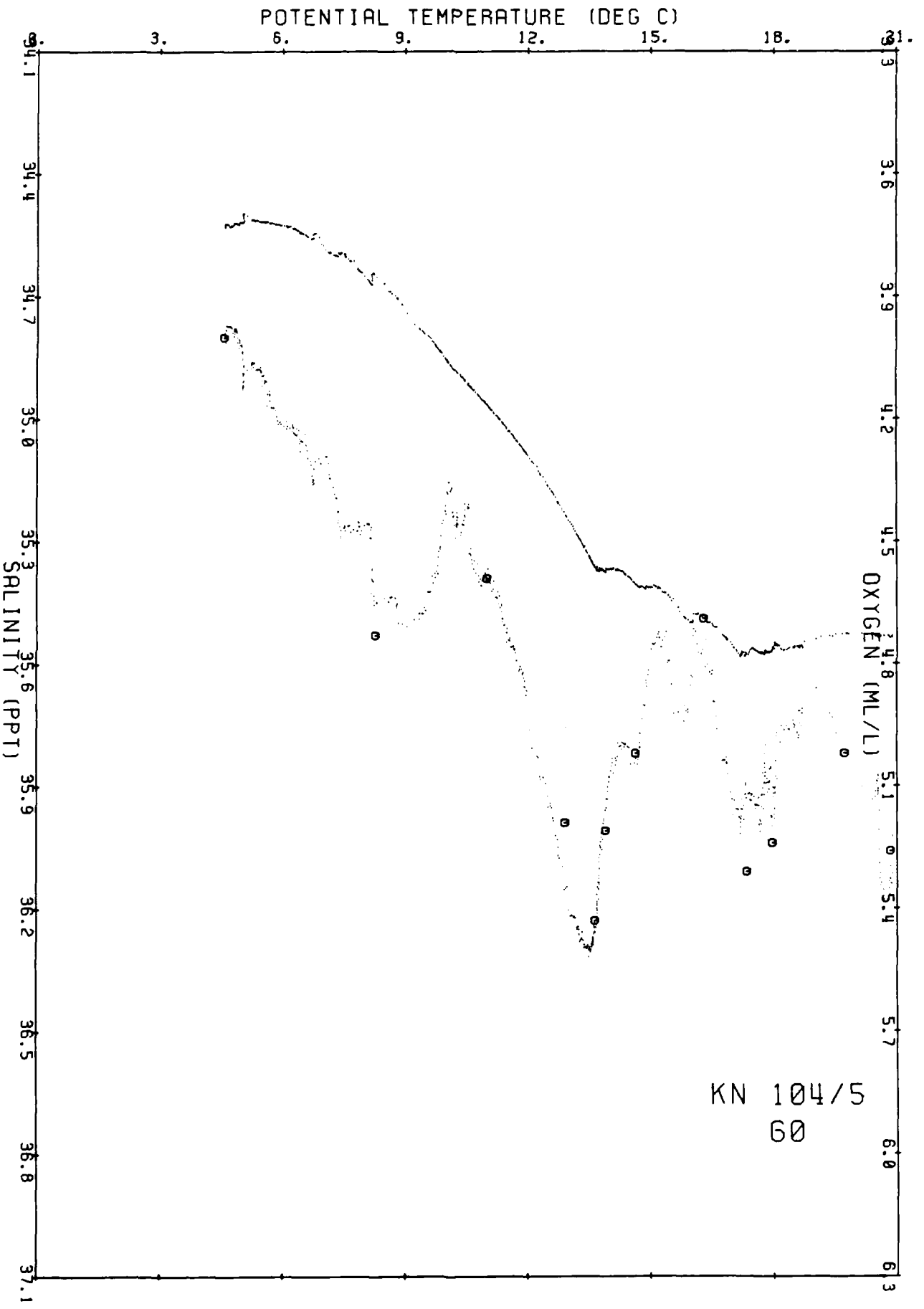

SALINITY (PPT)
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34.8
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35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
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800.
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1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
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SA
OX
KN 104/5
59
OXYGEN (ML/L)
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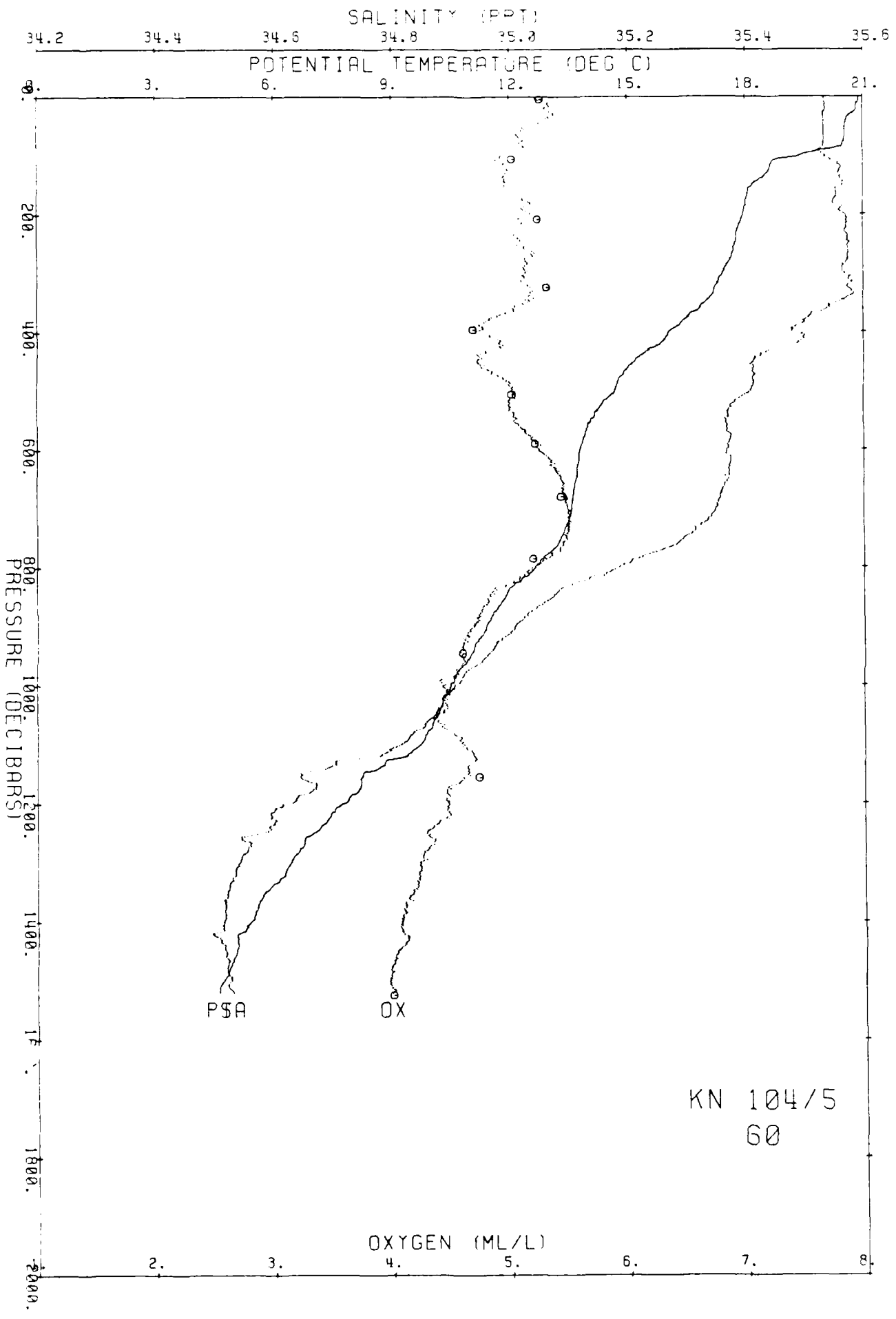
Ship KN Cruise 1045 Station 60 Cast 1 DT
Start 39 29.91 S 23 43.10 E at 1120 83/12/ 5
End 39 19.12 S 23 38.29 E at 1256

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	20.901	20.901	35.535	5.2	103.1	24 929	29 184	33 346	37 417	41 401	301 5	0 00	0 00	0 0
10	20 880	20 879	35 534	5 3	105 4	24 935	29 190	33.352	37 424	41 408	301 4	03	1 31	10 0
20	20 845	20 842	35 538	5.3	104.5	24 948	29 204	33.366	37 439	41 423	300 5	06	2 03	19 9
30	20 710	20 705	35 533	5.4	105.8	24 981	29 239	33 404	37 478	41 464	297 8	09	3 23	29 9
40	20 592	20 585	35.535	5 3	104 6	25.015	29 275	33 441	37 517	41 505	295 0	12	3.26	39 9
50	20 569	20 560	35 534	5.2	101 3	25 021	29 281	33 448	37 524	41 513	294 8	15	1 38	49 9
60	20 556	20 545	35 535	5 1	100 3	25 026	29 286	33 453	37 530	41 518	294 7	18	1 22	59 8
70	20 553	20 540	35.534	5.1	99 9	25 026	29 287	33 454	37 530	41 519	295 1	21	36	69 8
80	20 512	20 497	35 533	5.1	99 8	25 037	29 298	33 466	37 543	41 532	294 5	24	1 84	79 8
90	20 163	20 146	35 527	5 1	99 4	25 126	29 393	33.566	37 648	41 642	286 4	27	5.30	89 8
100	19 456	19 438	35 535	4 9	94 9	25 318	29 596	33.779	37 872	41 876	268 4	29	7 78	99 7
120	18 653	18 632	35 562	5 0	94 0	25 546	29 836	34 032	38 136	42 152	247 4	35	5 99	119 7
140	18 413	18 389	35 561	5 0	93 6	25 606	29 900	34.100	38 208	42.227	242 4	40	3.09	139 6
160	18 103	18 075	35.557	5.1	95.3	25 681	29.980	34.185	38.298	42 322	236.0	44	3.45	159 5
180	18 044	18 013	35 549	5.2	96.8	25 691	29 991	34 196	38 310	42 335	235 8	49	1 22	179 4
200	17 984	17 950	35 569	5.2	96 8	25 721	30 023	34 229	38 344	42.370	233 6	54	2.21	199 3
220	17 885	17 848	35 571	5 2	96 4	25 748	30 051	34 259	38 376	42 403	231 8	58	2.06	219 3
240	17 822	17 781	35 573	5 1	94.7	25 766	30 070	34 279	38 397	42 425	230 8	63	1.68	239 2
260	17 744	17 700	35 575	5 2	95 9	25 788	30 093	34 303	38 422	42 451	229 4	68	1 85	259 1
280	17 648	17 600	35 572	5 1	95 4	25 810	30 116	34.329	38 449	42 480	228.0	72	1 87	279 0
300	17 470	17 420	35 569	5 1	95 1	25 851	30 161	34.376	38 499	42 533	224.7	77	2.58	298 9
320	17 323	17 269	35.574	5 1	95 1	25 891	30 204	34 421	38 547	42 583	221 6	81	2 53	318 8
340	17.193	17 136	35 576	5 2	95 1	25 925	30 240	34 459	38 587	42 625	219 0	86	2 32	338 7
360	16.907	16 848	35 539	5 0	92 1	25 965	30 285	34 510	38 642	42 685	215 7	90	2 57	358 6
380	16.506	16.444	35 500	4 8	87.6	26 030	30 357	34.589	38.728	42 777	210.0	94	3.26	378 5
400	16.121	16.057	35.479	4 7	85.0	26 104	30 438	34.676	38.822	42 877	203.5	98	3 45	398 4
450	15 258	15.188	35.417	4 7	83.8	26 253	30 603	34 856	39.017	43.087	190.4	1.08	3.12	448 1
500	14.764	14.688	35 409	5.0	88.1	26 357	30 716	34 978	39 147	43 225	181 8	1 17	2.60	497 8
550	14.156	14 075	35.368	5.0	87.4	26 457	30 827	35 101	39 281	43 370	173.3	1 26	2.58	547 5
600	13.868	13 780	35 368	5 3	90 4	26.519	30 895	35 174	39 359	43 453	168 7	1.35	2 02	597 2
650	13.782	13.687	35.371	5 4	93.3	26 540	30 918	35 199	39 386	43 481	168.0	1 43	1.19	646 9
700	13.667	13.566	35.349	5 5	94.1	26 548	30 929	35 212	39 401	43 499	168.6	1 52	78	696 5
750	13.383	13 276	35.295	5.5	93.3	26.566	30 953	35.242	39 437	43 539	168.0	1 60	1.18	746 1
800	12.742	12.631	35.185	5.2	87.1	26.611	31 010	35 312	39 520	43 635	164.3	1 68	1.85	795 8
900	11 494	11.376	35.008	4 7	76.7	26 713	31 139	35.467	39 699	43 838	155.1	1 84	1.98	895.0
1000	10.614	10.489	34.906	4.4	71.2	26 794	31.239	35.586	39.836	43 992	148.3	2 00	1.76	994.1
1100	9.837	9.706	34.814	4.6	72.5	26 857	31.320	35.683	39.949	44 121	142 9	2.14	1.59	1093 2
1200	7.882	7.755	34.614	4.5	67.3	27.007	31.515	35 922	40 231	44.444	125.9	2.28	2.51	1192.3
1300	6.544	6.418	34.541	4.2	61.7	27 136	31 676	36.114	40.453	44 696	111.8	2.39	2.29	1291.2
1400	5.518	5 392	34.513	4.1	58.1	27 243	31.808	36.271	40 634	44.900	100.0	2 50	2.10	1390 1
1500	4 847	4.718	34 528	4 0	55.7	27 333	31 915	36 395	40 774	45 054	90 5	2 60	1 89	1489 0
1521	4 722	4.593	34.529	4.0	55.8	27.348	31 933	36 416	40 798	45 081	88 9	2.61	1.70	1509.8

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	20 839	20.838	35 542	5.26	1.9	0 18	0.8	0 01	0 48	24.952	29 208	33.370	37 443	41 427	4.5
106	19 743	19.723	35 539	5.02	2.0	0 24	1.1	0.15	0 48	25.247	29 520	33 699	37 787	41 787	105.5
209	17 995	17 959	35 570	5.24	4.2	0 30	2.1	0.02	0.51	25.720	30.021	34 227	38.342	42 368	206 9
324	17 383	17 328	35.594	5.31	4 4	0 30	2.0	0.02	0.50	25.892	30.204	34.420	38.545	42.580	321.3
396	16 342	16.278	35 491	4.69	3 7	0 52	4.4	0.01	0.50	26.062	30.392	34.627	38 769	42.821	392.1
507	14.711	14 634	35.407	5.02	4.2	0.62	6.5	0.01	0.49	26.367	30.727	34.990	39.160	43.239	502.1
590	13 984	13 897	35 375	5.21	4.7	0.65	5.4		0.54	26.499	30.873	35.151	39 334	43.425	584.6
680	13 728	13.629	35 361	5.43	4.4	0.65	5.5		0.42	26.545	30.924	35.206	39 394	43.490	673.9
786	13.017	12.906	35.228	5.19	4.2	0.83	5.4		0.44	26.589	30.983	35.280	39.482	43.591	778.1
945	11.121	11.000	34.960	4.59	6.1	1.25	8.8		0.66	26.745	31.179	35.515	39.754	43 901	935.5
1155	8 388	8 262	34.644	4.73	9.0	1.69	14.3		0.41	26 955	31.451	35 847	40 144	44.347	1142.9
1525	4 690	4.561	34.518	4.00	19.5	2.51	15.5		0.45	27.343	31.929	36.413	40.795	45.080	1507.3


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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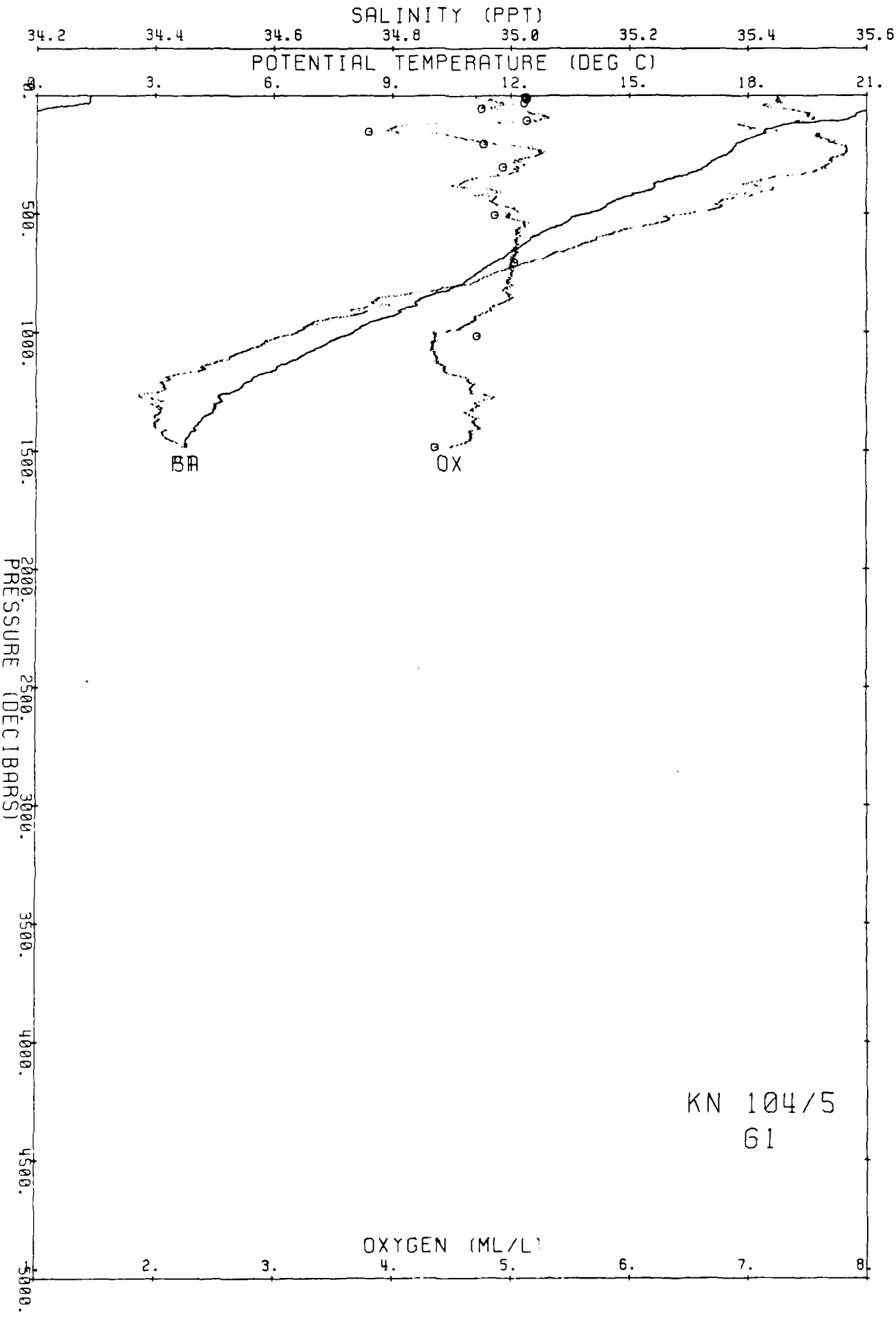

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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KN 104/5
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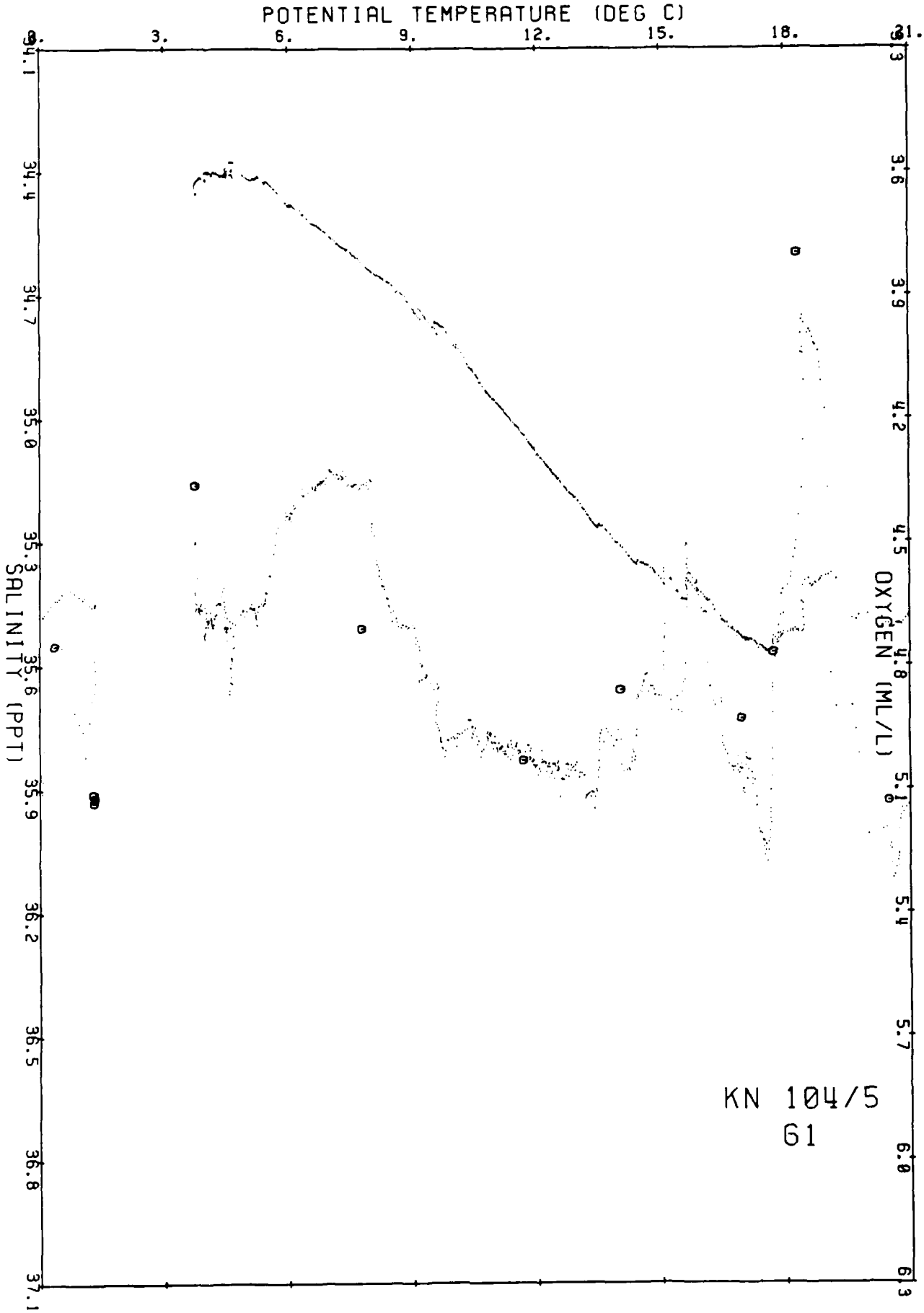

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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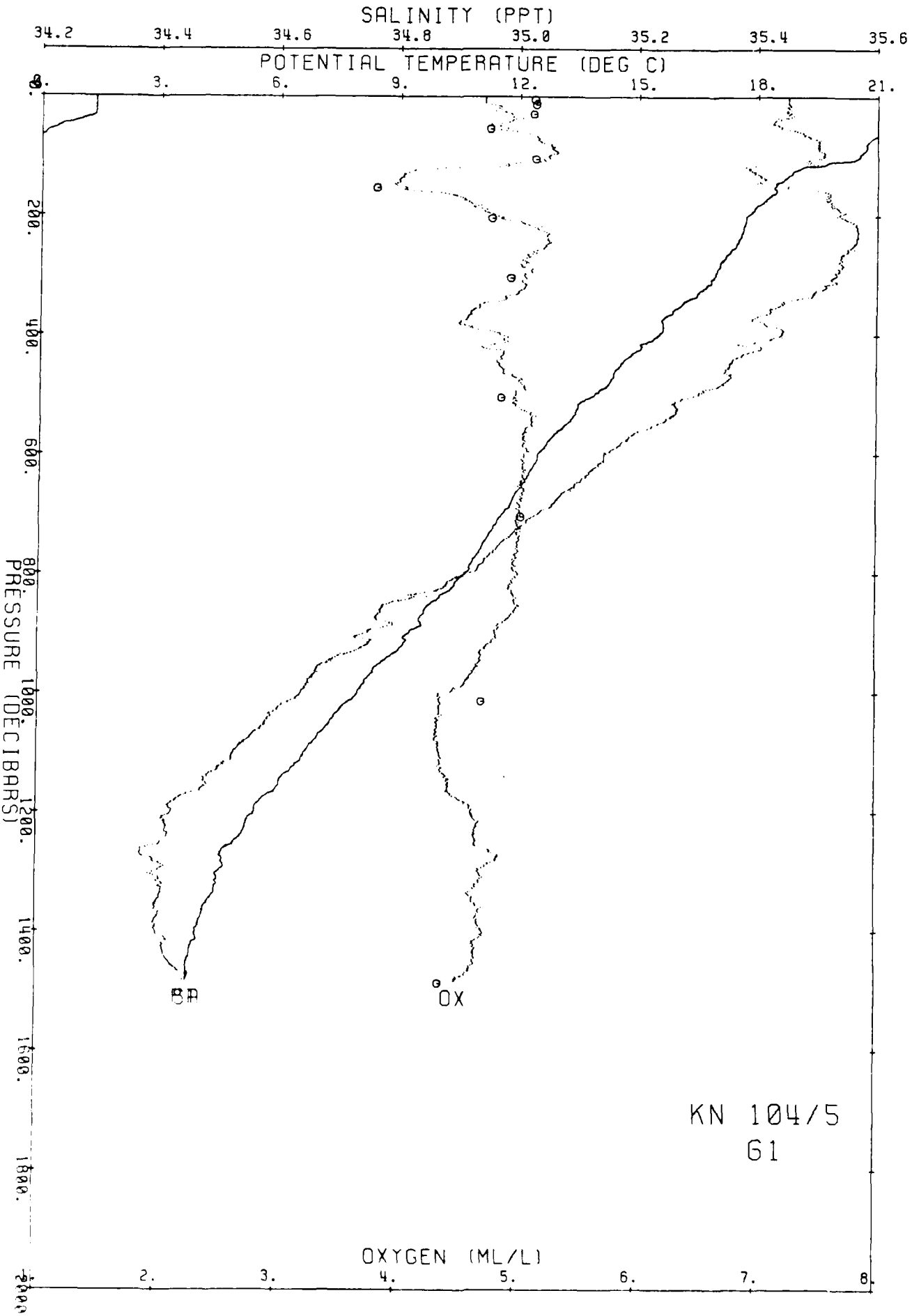
Ship KN Cruise 1045 Station 81 Cast 1 DT
Start 38 30.29 S 22 59.66 E at 1923 83/12/ 5
End 38 31.74 S 22 57.78 E at 2050

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	22.348	22.348	35.450	4.7	95.4	24.463	28.697	32.839	36.891	40.856	345.9	0.00	0.00	0.0
10	22.348	22.346	35.450	4.7	95.4	24.464	28.698	32.840	36.891	40.857	346.3	.03	.42	10.0
20	22.341	22.337	35.451	4.8	97.7	24.467	28.701	32.843	36.895	40.860	346.4	.07	1.02	20.0
30	22.342	22.336	35.450	4.9	99.9	24.466	28.701	32.843	36.895	40.860	346.9	.10	.39	29.9
40	21.975	21.968	35.428	4.9	99.3	24.554	28.794	32.941	36.998	40.968	339.0	.14	5.24	39.9
50	21.435	21.425	35.439	4.8	96.4	24.713	28.961	33.115	37.180	41.157	324.2	.17	7.08	49.9
60	21.121	21.110	35.474	5.0	99.2	24.826	29.078	33.237	37.306	41.288	313.8	.20	5.97	59.9
70	20.961	20.848	35.496	5.2	101.8	24.914	29.170	33.333	37.405	41.390	305.8	.23	5.27	69.8
80	20.746	20.731	35.500	5.3	103.6	24.949	29.207	33.371	37.445	41.432	302.9	.26	3.31	79.8
90	20.698	20.681	35.502	5.3	104.1	24.964	29.222	33.388	37.462	41.449	301.9	.29	2.16	89.8
100	20.556	20.537	35.509	5.2	102.8	25.008	29.269	33.436	37.513	41.502	298.0	.32	3.74	99.8
120	19.076	19.055	35.383	4.4	83.4	25.301	29.585	33.776	37.875	41.885	270.7	.38	6.81	119.7
140	18.635	18.611	35.407	4.0	75.5	25.432	29.724	33.921	38.026	42.043	258.9	.43	4.55	139.6
160	18.472	18.444	35.518	4.3	80.3	25.559	29.853	34.052	38.159	42.178	247.6	.49	4.46	159.6
180	18.105	18.074	35.523	4.6	86.4	25.656	29.955	34.160	38.273	42.297	239.1	.53	3.91	179.5
200	17.746	17.712	35.532	4.8	89.7	25.752	30.057	34.268	38.386	42.416	230.6	.58	3.90	199.4
220	17.677	17.639	35.566	5.2	95.8	25.795	30.102	34.313	38.433	42.463	227.2	.63	2.62	219.3
240	17.564	17.523	35.565	5.2	97.2	25.823	30.131	34.345	38.466	42.498	225.3	.67	2.10	239.2
260	17.351	17.308	35.550	5.1	94.6	25.864	30.176	34.393	38.518	42.553	222.0	.72	2.55	259.1
280	17.106	17.059	35.540	5.0	92.5	25.916	30.232	34.453	38.582	42.621	217.7	.76	2.89	279.0
300	16.976	16.927	35.532	5.0	92.5	25.941	30.260	34.483	38.614	42.656	216.0	.80	2.02	299.0
320	16.746	16.693	35.514	5.0	92.2	25.983	30.305	34.533	38.668	42.713	212.6	.85	2.59	318.9
340	16.323	16.269	35.457	4.9	88.5	26.038	30.369	34.604	38.746	42.798	207.8	.89	3.02	338.8
360	15.923	15.866	35.421	4.6	82.6	26.103	30.441	34.683	38.832	42.891	202.1	.93	3.25	358.7
380	15.690	15.631	35.412	4.5	80.6	26.150	30.492	34.738	38.891	42.954	198.2	.97	2.75	378.5
400	15.585	15.522	35.439	4.9	86.8	26.195	30.539	34.787	38.941	43.005	194.5	1.01	2.68	398.4
450	14.647	14.580	35.354	4.8	84.7	26.338	30.699	34.964	39.135	43.216	181.9	1.10	3.07	448.2
500	13.995	13.922	35.301	5.0	86.0	26.437	30.811	35.088	39.271	43.363	173.5	1.19	2.57	497.9
550	13.269	13.192	35.228	5.1	87.0	26.532	30.920	35.211	39.408	43.513	165.3	1.28	2.53	547.5
600	12.586	12.504	35.144	5.1	84.7	26.604	31.006	35.311	39.521	43.638	159.2	1.36	2.24	597.2
650	12.208	12.121	35.097	5.0	83.5	26.642	31.052	35.365	39.582	43.707	156.5	1.44	1.64	646.9
700	11.731	11.640	35.033	5.0	82.7	26.684	31.104	35.427	39.653	43.787	153.2	1.51	1.74	696.5
750	11.232	11.136	34.971	5.0	81.3	26.729	31.160	35.493	39.730	43.873	149.5	1.59	1.82	746.1
800	10.763	10.663	34.912	5.0	80.6	26.768	31.209	35.552	39.799	43.952	146.3	1.66	1.72	795.7
900	9.401	9.297	34.746	4.8	75.3	26.872	31.344	35.716	39.991	44.172	136.3	1.81	2.01	894.9
1000	8.126	8.019	34.640	4.4	65.9	26.989	31.490	35.891	40.194	44.401	124.7	1.94	2.13	994.1
1100	6.798	6.691	34.529	4.4	64.0	27.090	31.624	36.056	40.389	44.625	113.7	2.06	2.05	1093.1
1200	5.560	5.454	34.426	4.6	66.1	27.167	31.731	36.193	40.556	44.820	104.6	2.16	1.87	1192.1
1300	4.659	4.551	34.396	4.7	65.6	27.247	31.834	36.319	40.703	44.988	95.6	2.26	1.84	1291.1
1400	4.105	3.994	34.400	4.7	65.1	27.310	31.911	36.410	40.808	45.106	89.0	2.36	1.60	1390.0
1483	3.884	3.768	34.454	4.5	61.5	27.376	31.983	36.487	40.890	45.193	82.8	2.43	1.66	1472.0

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	22.314	22.313	35.457	5.12	3.4	0.15	1.2	0.02	0.53	24.478	28.713	32.855	36.908	40.873	5.1
13	22.306	22.303	35.457	5.13	4.2	0.15	1.0	0.01	0.53	24.481	28.716	32.858	36.911	40.876	13.1
29	22.296	22.290	35.454	5.11	2.1	0.15	1.0	0.01	0.53	24.483	28.718	32.860	36.913	40.878	28.8
54	21.357	21.346	35.431	4.75	4.8	0.26	1.8	0.17	0.55	24.729	28.977	33.133	37.199	41.177	53.7
104	20.506	20.486	35.513	5.13	4.6	0.20	1.6	0.07	0.73	25.025	29.286	33.454	37.531	41.521	103.5
154	18.333	18.306	35.426	3.80	8.0	0.70	9.1	0.03	0.57	25.523	29.820	34.021	38.132	42.153	152.3
204	17.742	17.707	35.545	4.77	5.1	0.42	3.3	0.01	1.17	25.763	30.068	34.279	38.397	42.427	202.5
304	16.987	16.936	35.543	4.93	5.9	0.41	4.2	0.01	0.60	25.947	30.266	34.489	38.620	42.661	301.5
505	14.084	14.010	35.315	4.86	6.8	0.72	8.3		0.50	26.429	30.802	35.077	39.259	43.349	500.1
704	11.738	11.646	35.033	5.03	6.2	1.01	8.8		0.45	26.683	31.103	35.425	39.652	43.786	697.2
1013	7.871	7.765	34.608	4.71	14.1	1.77	21.8		0.44	27.001	31.509	35.916	40.224	44.437	1002.9
1486	3.876	3.760	34.450	4.36	39.0	0.45	32.3		0.45	27.373	31.981	36.485	40.888	45.192	1469.7


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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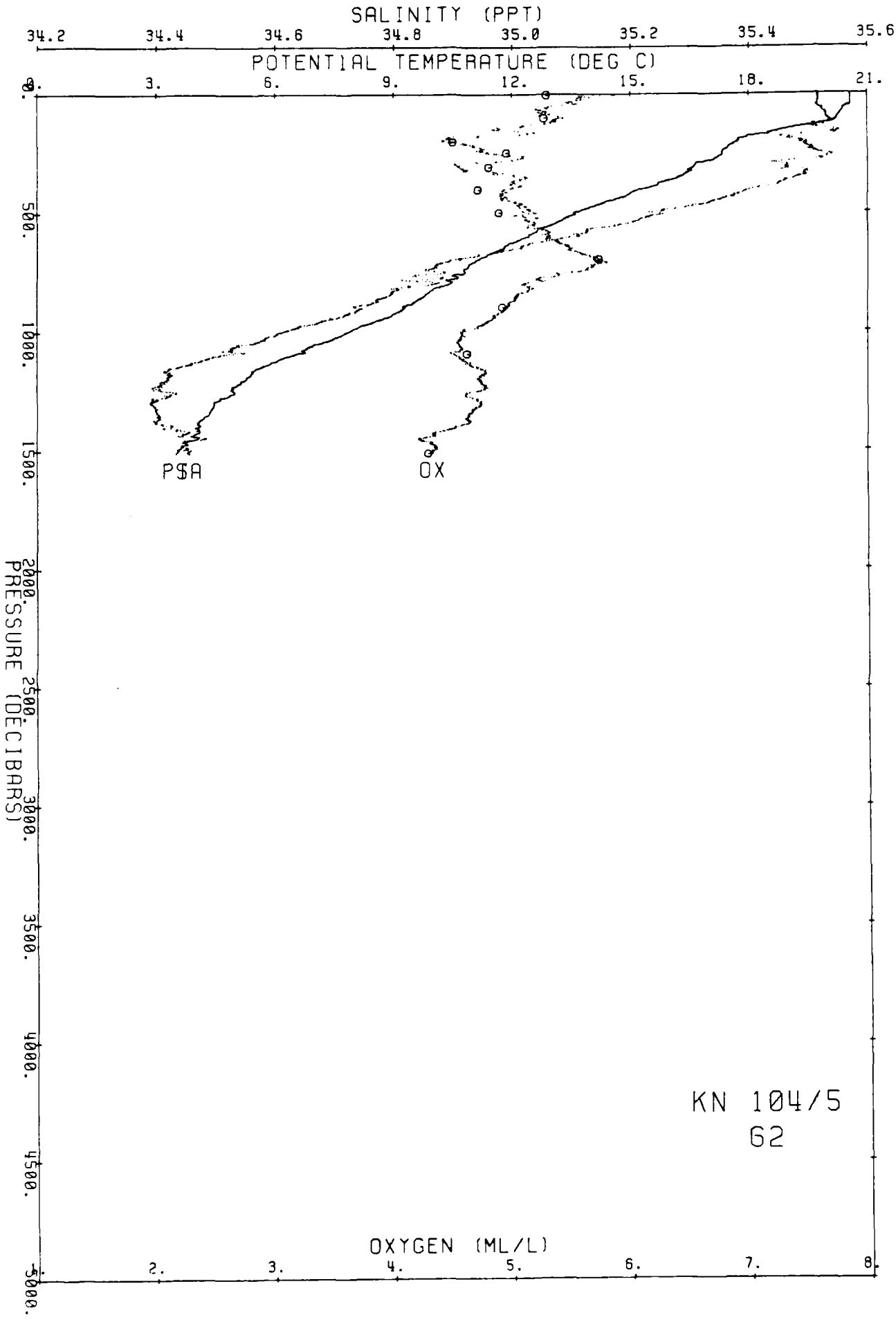

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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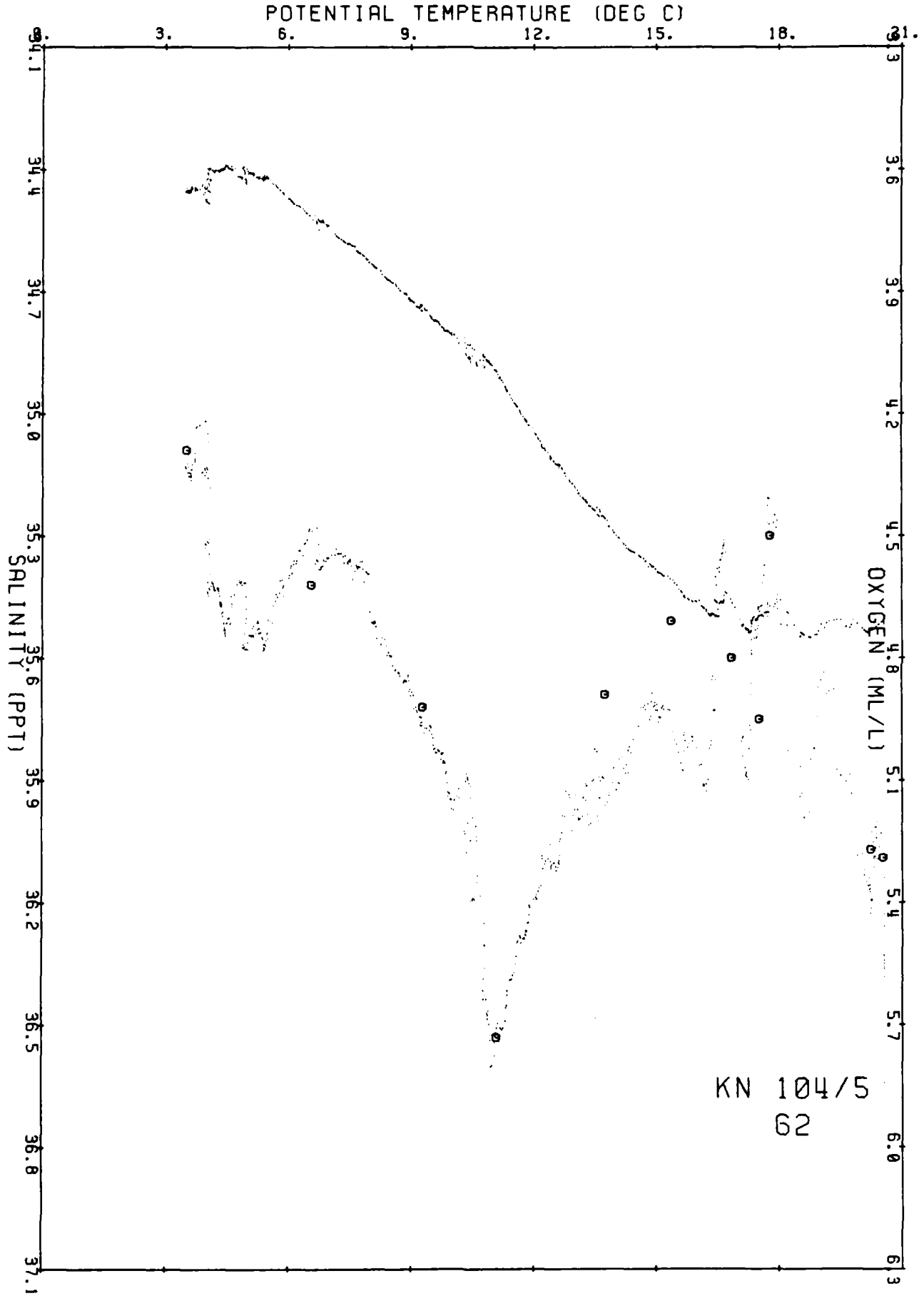

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OX
KN 104/5
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OXYGEN (ML/L)
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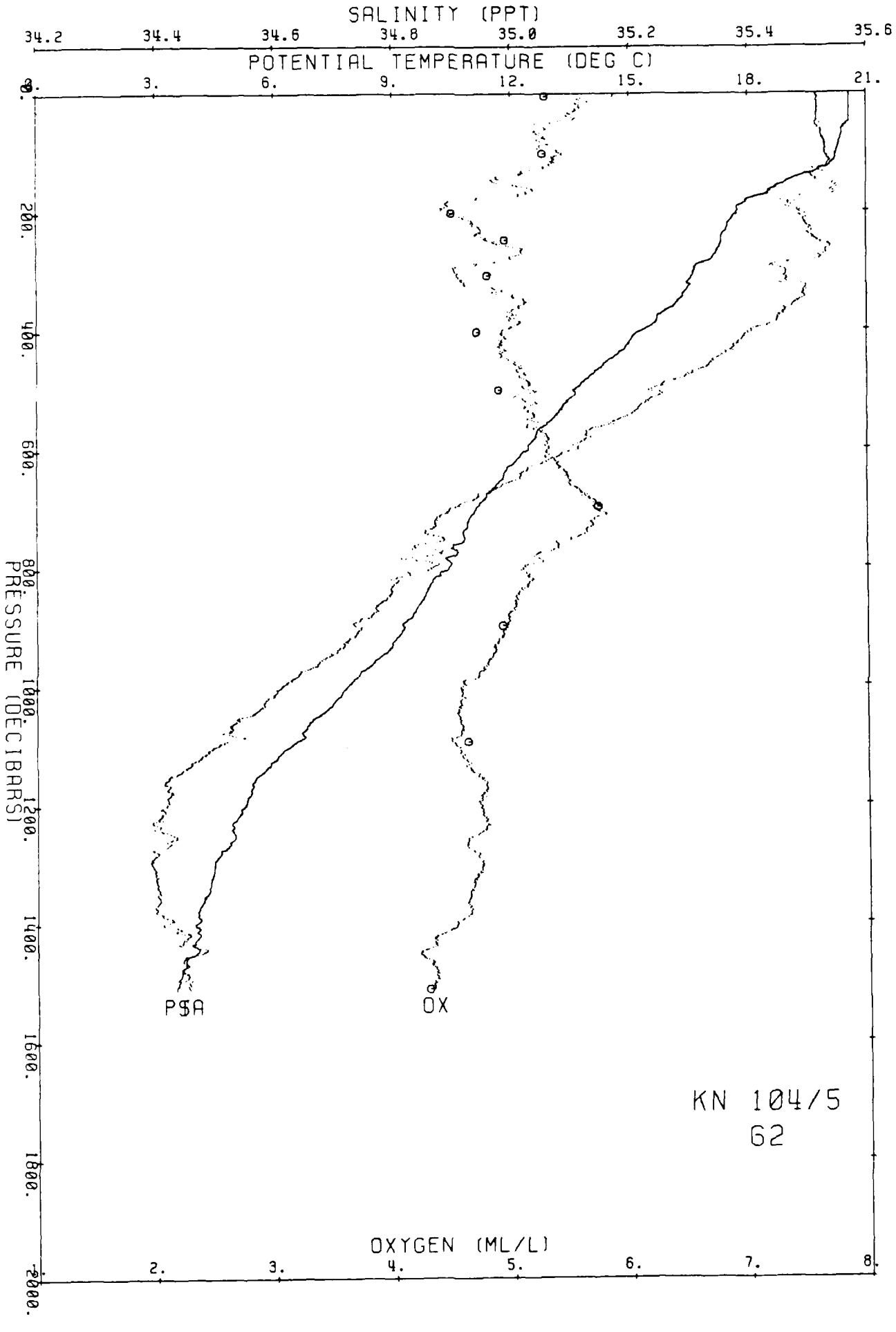
Ship KN Cruise 1045 Station 62 Cast 1 DT
Start 38 29.99 S 22 21.45 E at 30 83/12/ 6
End 38 31.24 S 22 20.07 E at 211

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	20.567	20.567	35.516	5.9	115.2	25.005	29.266	33.432	37.508	41.497	294.3	0.00	0.00	0.0
10	20.571	20.569	35.517	5.6	109.3	25.006	29.266	33.432	37.509	41.497	294.6	.03	.25	10.0
20	20.572	20.569	35.518	5.6	110.1	25.007	29.267	33.433	37.509	41.498	295.0	.06	.52	19.9
30	20.575	20.569	35.517	5.5	108.6	25.006	29.266	33.432	37.508	41.497	295.5	.09	.54	29.9
40	20.576	20.568	35.517	5.5	108.2	25.006	29.266	33.433	37.509	41.497	295.8	.12	.27	39.9
50	20.568	20.559	35.513	5.3	104.8	25.005	29.266	33.433	37.509	41.497	296.3	.15	.34	49.9
60	20.421	20.410	35.520	5.3	103.6	25.051	29.313	33.482	37.561	41.551	292.4	.18	3.77	59.8
70	20.391	20.378	35.523	5.2	102.5	25.062	29.324	33.494	37.573	41.564	291.7	.21	1.84	69.8
80	20.350	20.335	35.529	5.2	102.5	25.078	29.341	33.511	37.591	41.582	290.6	.24	2.25	79.8
90	20.317	20.300	35.530	5.3	103.0	25.088	29.352	33.522	37.602	41.594	290.1	.26	1.78	89.8
100	20.264	20.245	35.530	5.4	105.7	25.102	29.367	33.539	37.619	41.612	289.1	.29	2.15	99.7
120	20.114	20.092	35.534	5.3	103.6	25.146	29.413	33.587	37.670	41.665	285.7	.35	2.63	119.7
140	19.382	19.357	35.508	4.9	93.6	25.319	29.598	33.783	37.876	41.882	269.9	.41	5.23	139.6
160	18.766	18.738	35.550	5.2	98.3	25.510	29.798	33.992	38.095	42.109	252.4	.46	5.49	159.5
180	17.991	17.960	35.445	4.7	87.2	25.624	29.926	34.133	38.248	42.274	242.1	.51	4.27	179.4
200	17.773	17.739	35.486	4.5	83.4	25.710	30.015	34.225	38.344	42.373	234.6	.56	3.68	199.4
220	17.543	17.506	35.496	4.7	86.8	25.774	30.083	34.297	38.420	42.452	229.1	.60	3.20	219.3
240	17.399	17.359	35.508	4.7	87.0	25.819	30.130	34.347	38.471	42.506	225.6	.65	2.66	239.2
260	17.333	17.290	35.539	5.0	92.8	25.860	30.172	34.389	38.515	42.551	222.4	.69	2.53	259.1
280	17.153	17.106	35.521	5.0	92.1	25.890	30.205	34.426	38.554	42.593	220.2	.74	2.21	279.0
300	16.704	16.655	35.465	4.5	82.5	25.954	30.278	34.506	38.642	42.688	214.6	.78	3.23	298.9
320	16.531	16.479	35.461	4.6	84.0	25.992	30.319	34.550	38.689	42.738	211.6	.82	2.47	318.8
340	16.410	16.355	35.491	5.0	90.9	26.044	30.373	34.606	38.747	42.798	207.3	.86	2.87	338.7
360	16.179	16.121	35.474	5.1	91.4	26.085	30.418	34.656	38.800	42.855	203.9	.91	2.58	358.6
380	15.753	15.693	35.451	5.0	90.0	26.166	30.506	34.751	38.903	42.964	196.7	.95	3.60	378.5
400	15.420	15.358	35.406	4.9	87.6	26.206	30.553	34.804	38.962	43.029	193.3	.98	2.61	398.4
450	14.555	14.488	35.341	5.0	87.1	26.347	30.711	34.977	39.150	43.232	180.9	1.08	3.04	448.1
500	13.710	13.638	35.237	5.1	88.2	26.447	30.827	35.110	39.298	43.395	172.3	1.17	2.59	497.8
550	13.115	13.038	35.183	5.1	87.0	26.528	30.919	35.214	39.414	43.521	165.5	1.25	2.33	547.5
600	12.512	12.431	35.113	5.3	88.8	26.594	30.998	35.305	39.516	43.635	160.0	1.33	2.15	597.2
650	11.866	11.781	35.011	5.5	90.4	26.640	31.058	35.378	39.602	43.733	156.2	1.41	1.85	646.8
700	11.186	11.097	34.897	5.7	92.6	26.678	31.111	35.445	39.683	43.828	152.9	1.49	1.74	696.5
750	10.910	10.816	34.884	5.5	88.8	26.719	31.157	35.497	39.741	43.891	149.9	1.56	1.68	746.1
800	10.504	10.406	34.863	5.1	81.4	26.775	31.222	35.571	39.823	43.981	145.1	1.64	1.99	795.7
900	9.381	9.277	34.747	5.0	77.3	26.876	31.348	35.721	39.997	44.178	135.9	1.78	1.95	894.9
1000	7.941	7.836	34.612	4.6	69.1	26.994	31.500	35.905	40.212	44.424	123.8	1.91	2.16	994.0
1100	6.502	6.398	34.501	4.5	65.9	27.107	31.648	36.087	40.427	44.670	111.4	2.03	2.16	1093.1
1200	5.347	5.242	34.418	4.7	67.0	27.186	31.755	36.223	40.590	44.859	102.2	2.13	1.87	1192.1
1300	4.566	4.460	34.392	4.7	66.0	27.254	31.844	36.331	40.717	45.004	94.7	2.23	1.70	1291.1
1400	4.100	3.989	34.411	4.5	62.3	27.319	31.921	36.420	40.817	45.116	88.1	2.32	1.59	1390.0
1500	3.663	3.548	34.455	4.3	59.1	27.398	32.011	36.521	40.929	45.238	80.1	2.41	1.73	1488.8
1511	3.618	3.502	34.456	4.3	58.8	27.404	32.018	36.529	40.938	45.248	79.5	2.42	1.41	1499.7

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	20.529	20.528	35.527	5.29	2.3	0.16	1.1	0.01	0.34	25.024	29.285	33.452	37.529	41.518	4.4
101	20.252	20.233	35.536	5.27	4.0	0.15	1.2	0.02	0.41	25.110	29.375	33.547	37.628	41.621	100.5
202	17.813	17.778	35.510	4.50	7.1	0.48	5.5	0.02	1.80	25.718	30.023	34.233	38.350	42.379	200.6
248	17.557	17.515	35.557	4.95	6.0	0.38	3.4	0.02	0.34	25.819	30.127	34.341	38.463	42.495	245.6
308	16.880	16.829	35.532	4.80	6.1	0.45	4.7	0.03	0.36	25.964	30.285	34.510	38.642	42.685	305.5
403	15.426	15.363	35.429	4.71	6.6	0.62	7.1	0.02	0.36	26.223	30.570	34.820	38.978	43.045	399.4
501	13.823	13.750	35.291	4.89	5.9	0.73	10.0	0.02	0.33	26.465	30.842	35.123	39.309	43.404	496.4
698	11.172	11.083	34.900	5.73	5.8	0.92	14.0	0.02	0.42	26.683	31.116	35.450	39.689	43.834	691.3
898	9.393	9.289	34.756	4.92	11.5	1.40	18.4	0.01	0.34	26.881	31.353	35.725	40.001	44.181	889.4
1094	6.672	6.567	34.523	4.62	22.9	1.98	29.0	0.01	0.38	27.102	31.639	36.074	40.410	44.649	1082.5
1292	4.647	4.540	34.396							27.248	31.836	36.321	40.705	44.991	1278.0
1512	3.632	3.516	34.460	4.29	45.7	2.50	35.4	0.01	0.37	27.405	32.019	36.530	40.939	45.248	1494.7


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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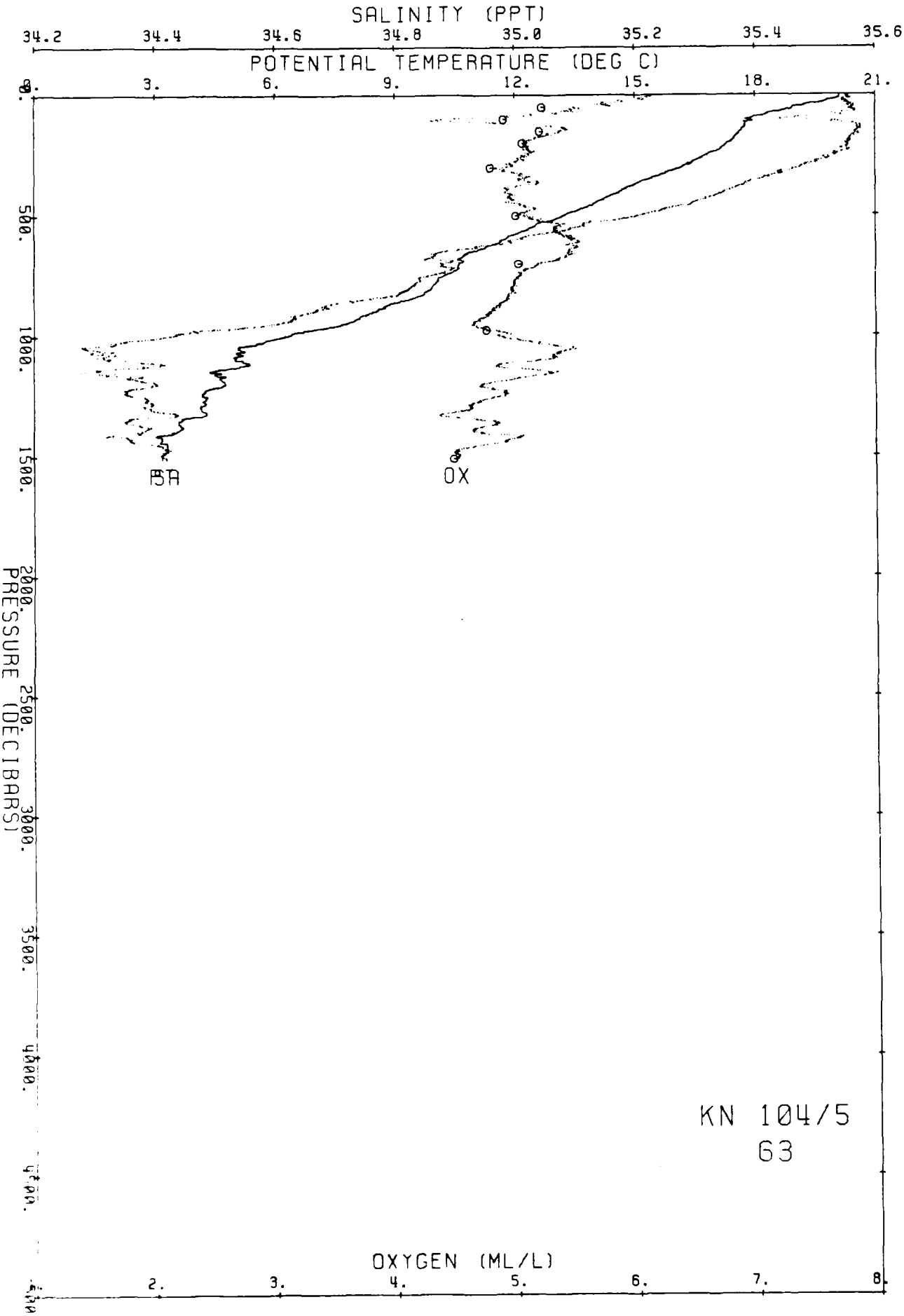

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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62

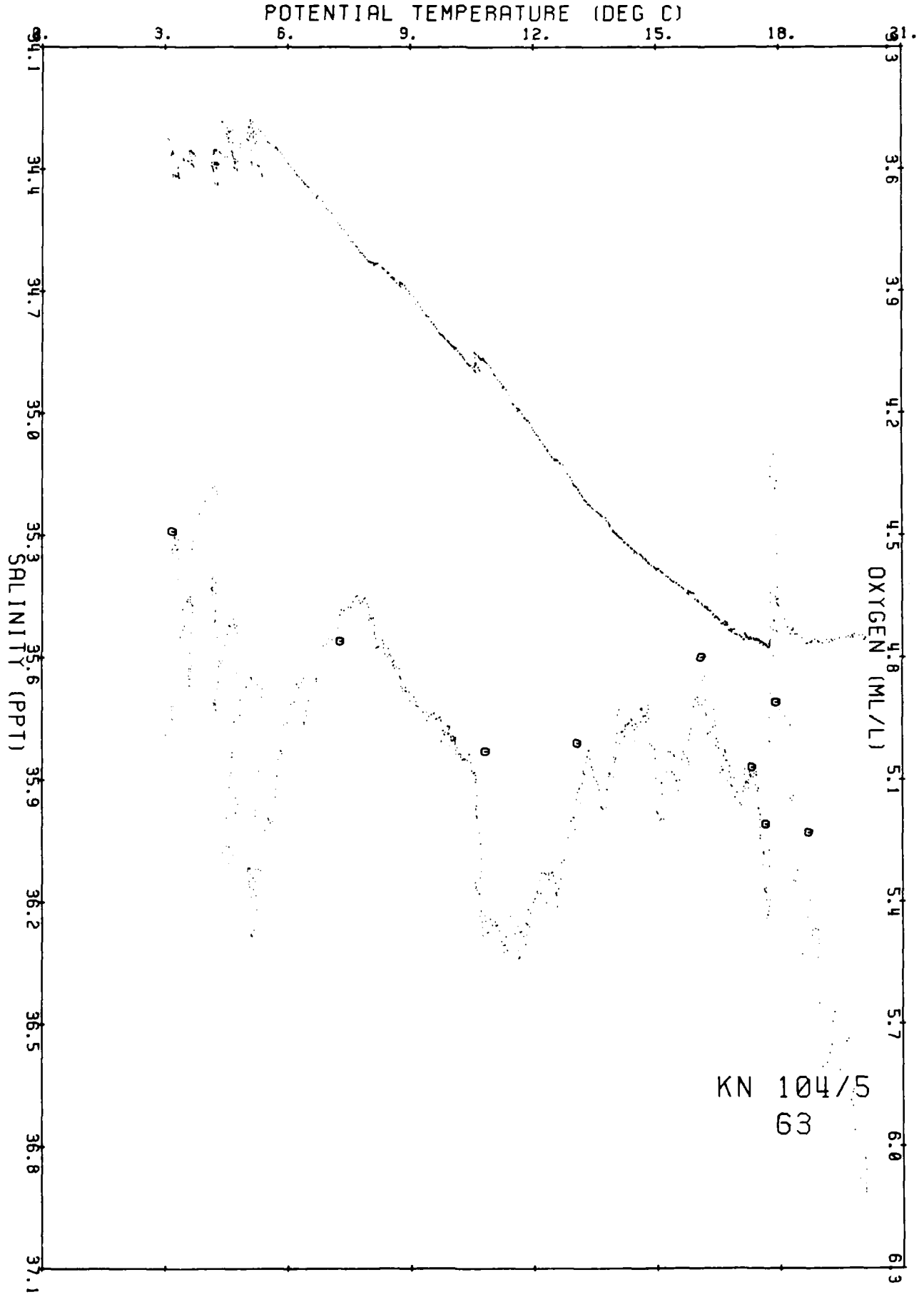

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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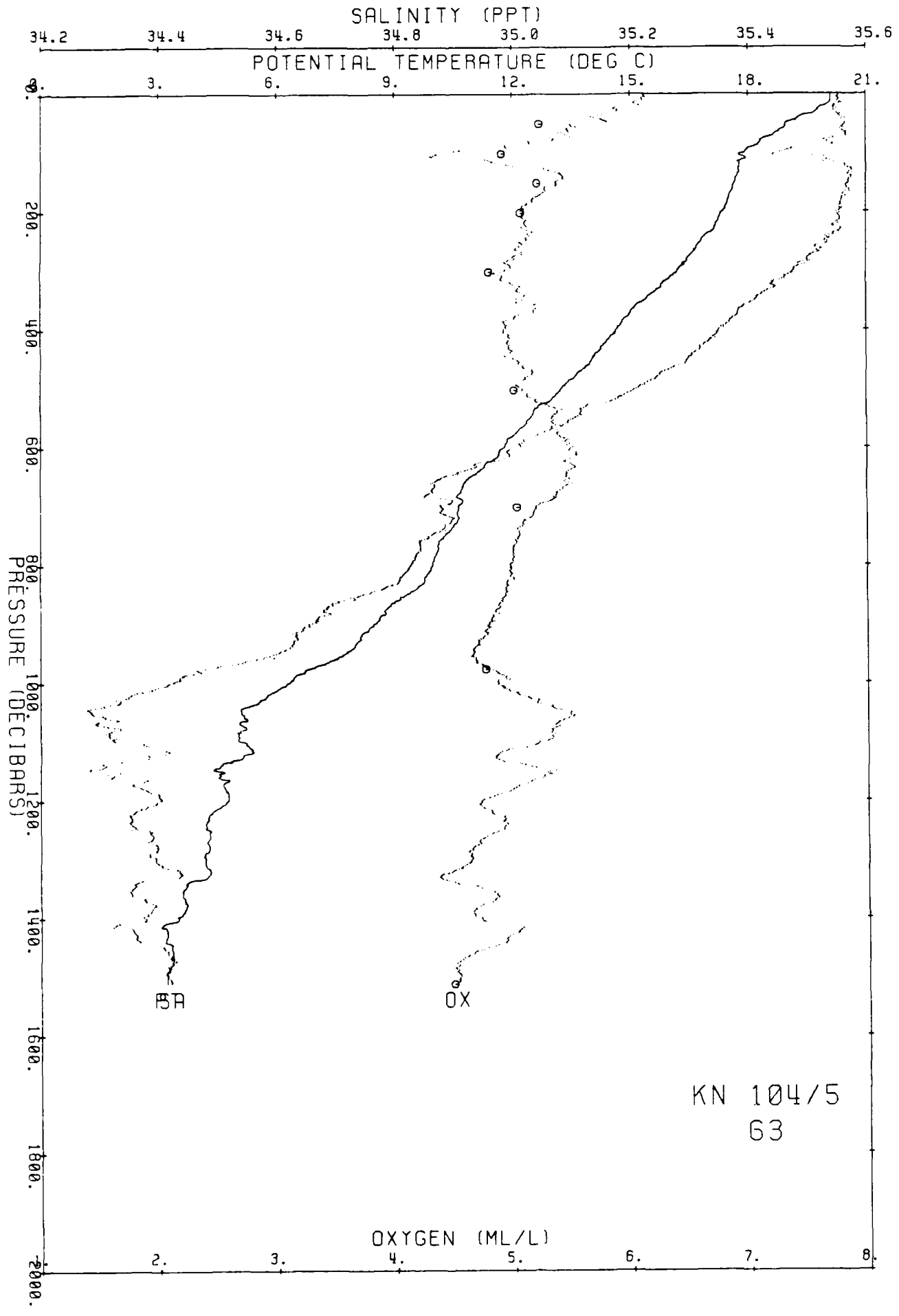
Ship KN Cruise 1045 Station 63 Cast 1 DT
Start 38 30.41 S 21 43.93 E at 513 83/12/ 6
End 38 29.66 S 21 41.58 E at 848

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	20.107	20.107	35.554	6.1	118.8	25.157	29.424	33.598	37.680	41.675	279.8	0.00	0.00	0.0
10	20.105	20.104	35.553	6.1	118.8	25.157	29.424	33.598	37.680	41.675	280.2	.03	.20	10.0
20	19.953	19.949	35.546	6.1	118.0	25.193	29.462	33.638	37.723	41.720	277.2	.06	3.34	19.9
30	19.732	19.726	35.551	5.9	113.8	25.255	29.528	33.707	37.795	41.795	271.7	.08	4.43	29.9
40	19.314	19.307	35.560	5.7	109.2	25.372	29.651	33.836	37.930	41.936	261.0	.11	6.04	39.9
50	18.967	18.959	35.564	5.6	107.7	25.464	29.749	33.940	38.039	42.050	252.5	.14	5.40	49.9
60	18.882	18.871	35.557	5.5	104.0	25.481	29.767	33.960	38.060	42.073	251.3	.16	2.32	59.8
70	18.667	18.654	35.566	5.5	103.8	25.543	29.833	34.028	38.132	42.148	245.8	.19	4.41	69.8
80	18.352	18.339	35.534	5.1	96.8	25.598	29.893	34.094	38.203	42.223	240.9	.21	4.17	79.8
90	18.147	18.132	35.507	4.9	92.8	25.629	29.927	34.131	38.244	42.267	238.3	.23	3.13	89.7
100	17.913	17.896	35.451	4.4	81.9	25.644	29.947	34.155	38.272	42.299	237.2	.26	2.23	99.7
120	17.792	17.771	35.565	4.9	92.3	25.762	30.066	34.276	38.393	42.422	226.7	.30	4.30	119.6
140	17.743	17.720	35.576	5.4	101.2	25.783	30.088	34.299	38.417	42.446	225.4	.35	1.83	139.5
160	17.637	17.610	35.568	5.3	98.1	25.804	30.111	34.323	38.443	42.474	224.2	.39	1.81	159.5
180	17.528	17.498	35.559	5.2	95.9	25.825	30.133	34.347	38.469	42.502	222.9	.44	1.80	179.4
200	17.397	17.364	35.554	5.1	94.2	25.853	30.164	34.380	38.504	42.539	220.9	.48	2.13	199.3
220	17.225	17.189	35.552	5.1	94.1	25.894	30.208	34.427	38.554	42.591	217.7	.53	2.54	219.2
240	16.965	16.925	35.543	5.1	94.3	25.950	30.269	34.492	38.623	42.665	213.0	.57	3.00	239.1
260	16.729	16.686	35.513	5.1	92.3	25.984	30.306	34.534	38.669	42.714	210.4	.61	2.32	259.0
280	16.498	16.452	35.500	5.0	91.2	26.028	30.355	34.587	38.726	42.775	206.8	.65	2.68	278.9
300	16.245	16.197	35.478	4.9	89.2	26.071	30.403	34.639	38.782	42.835	203.3	.70	2.62	298.8
320	15.894	15.844	35.443	5.0	89.3	26.125	30.463	34.705	38.855	42.914	198.6	.74	2.97	318.7
340	15.586	15.533	35.423	5.1	91.4	26.180	30.524	34.772	38.926	42.990	193.9	.77	2.98	338.6
360	15.196	15.141	35.392	5.1	90.9	26.244	30.595	34.850	39.011	43.082	188.3	.81	3.22	358.5
380	14.948	14.890	35.375	5.0	88.3	26.286	30.642	34.901	39.067	43.142	184.8	.85	2.62	378.4
400	14.711	14.651	35.351	4.9	86.3	26.320	30.680	34.944	39.114	43.193	182.1	.89	2.36	398.3
450	14.090	14.024	35.297	5.0	86.6	26.412	30.784	35.060	39.241	43.331	174.4	.98	2.47	448.0
500	13.326	13.255	35.213	5.1	86.6	26.507	30.894	35.184	39.380	43.484	166.3	1.06	2.52	497.7
550	12.518	12.443	35.106	5.3	89.1	26.586	30.990	35.296	39.508	43.626	159.3	1.14	2.35	547.4
600	11.857	11.778	35.011	5.5	90.7	26.641	31.058	35.378	39.603	43.734	154.8	1.22	1.97	597.1
650	11.008	10.927	34.883	5.4	88.0	26.698	31.134	35.472	39.714	43.862	149.6	1.30	2.08	646.7
700	10.689	10.602	34.877	5.2	83.5	26.752	31.195	35.539	39.787	43.941	145.3	1.37	1.90	696.4
750	10.339	10.248	34.857	5.0	80.5	26.798	31.249	35.600	39.856	44.017	141.6	1.44	1.80	746.0
800	10.039	9.944	34.827	5.0	78.7	26.827	31.284	35.643	39.904	44.071	139.5	1.51	1.46	795.6
900	8.574	8.476	34.655	4.8	73.3	26.931	31.422	35.813	40.106	44.304	129.1	1.65	2.03	894.8
1000	6.377	6.284	34.419	4.9	70.8	27.057	31.601	36.044	40.387	44.633	114.2	1.77	2.35	993.9
1100	5.209	5.115	34.352	5.2	73.6	27.148	31.722	36.193	40.564	44.836	104.1	1.88	1.95	1092.9
1200	4.863	4.763	34.402	4.7	66.1	27.228	31.810	36.290	40.668	44.949	96.9	1.98	1.67	1192.0
1300	4.268	4.165	34.393	4.6	64.0	27.286	31.884	36.378	40.772	45.066	90.7	2.07	1.55	1290.9
1400	3.587	3.482	34.377	4.7	64.1	27.343	31.958	36.470	40.881	45.191	84.1	2.16	1.58	1389.8
1500	3.311	3.200	34.414	4.5	61.1	27.399	32.022	36.541	40.958	45.275	78.7	2.24	1.44	1488.6
1510	3.316	3.204	34.420	4.5	60.8	27.403	32.026	36.545	40.962	45.279	78.4	2.25	1.13	1498.5

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
26	19.748	19.743	35.554							25.253	29.526	33.705	37.792	41.792	26.0
51	18.705	18.696	35.569	5.23	4.6	0.23	2.1	0.06	0.50	25.535	29.824	34.019	38.122	42.137	50.6
101	17.923	17.906	35.557	4.91	5.4	0.33	3.2	0.11	0.35	25.723	30.025	34.233	38.348	42.374	100.3
152	17.680	17.654	35.569	5.21	4.7	0.26	2.4	0.20	0.30	25.794	30.100	34.312	38.431	42.461	150.5
202	17.346	17.312	35.573	5.07	4.9	0.34	3.3	0.03	0.37	25.880	30.192	34.409	38.534	42.569	200.0
302	16.131	16.083	35.464	4.80	6.4	0.50	5.6	0.02		26.087	30.420	34.658	38.803	42.859	299.4
503	13.115	13.045	35.190	5.01	6.8	0.80	10.5	0.02	0.30	26.532	30.923	35.218	39.417	43.525	498.6
702	10.894	10.806	34.916	5.03	8.2	1.12	15.0	0.02	0.31	26.746	31.184	35.524	39.768	43.918	695.3
977	7.359	7.261	34.550	4.76	14.6	1.79	24.2	0.01	0.31	27.028	31.548	35.967	40.287	44.511	966.8
1512	3.286	3.174	34.418	4.49	44.8	2.50	37.5	0.01	0.32	27.405	32.028	36.548	40.966	45.284	1495.0


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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1500.
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2500.
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4000.
4500.
5000.
PRESSURE (DECIBARS)
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KN 104/5
63
OXYGEN (ML/L)
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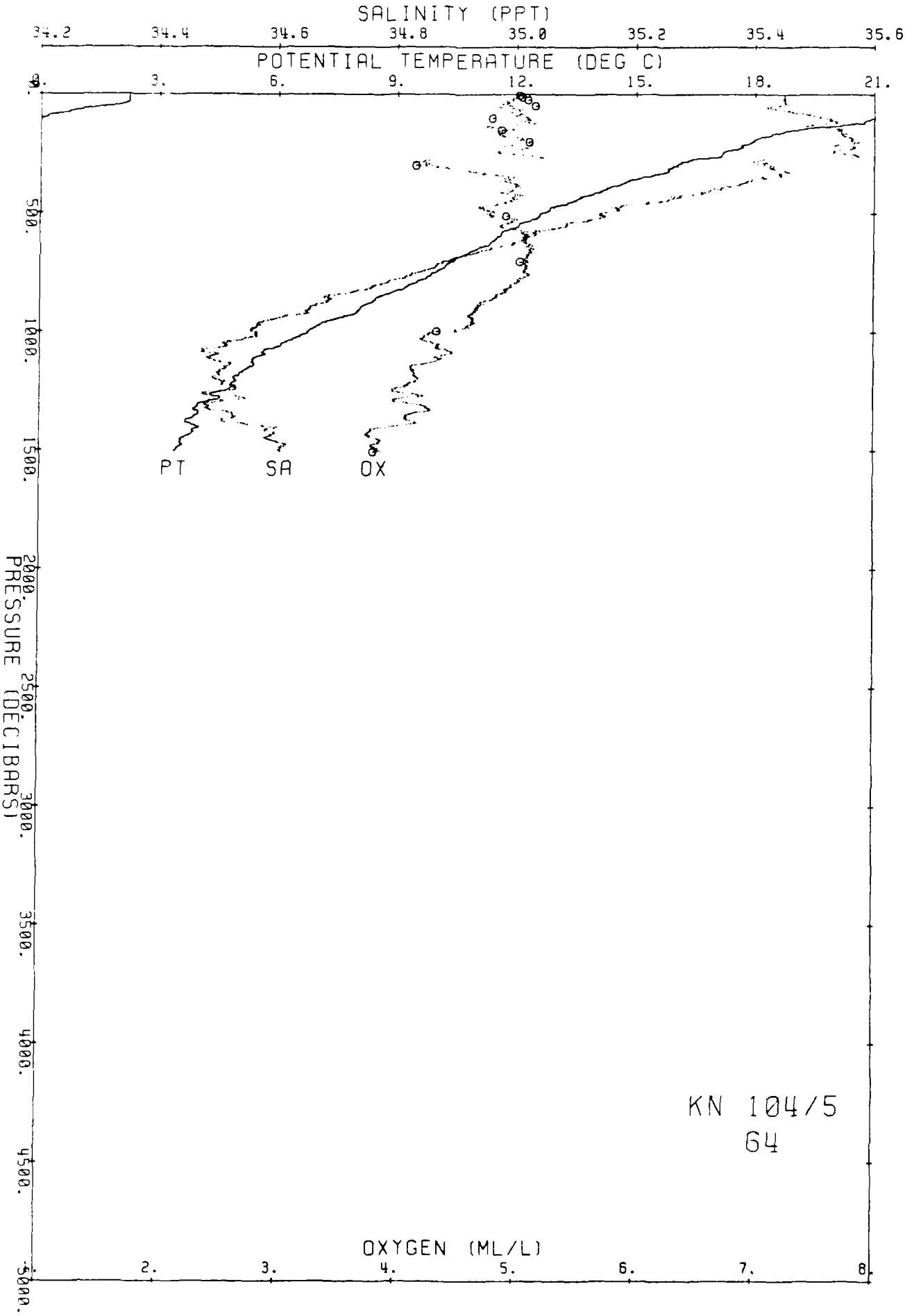

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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34.7
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35.3
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36.8
37.1
OXYGEN (ML/L)
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KN 104/5
63

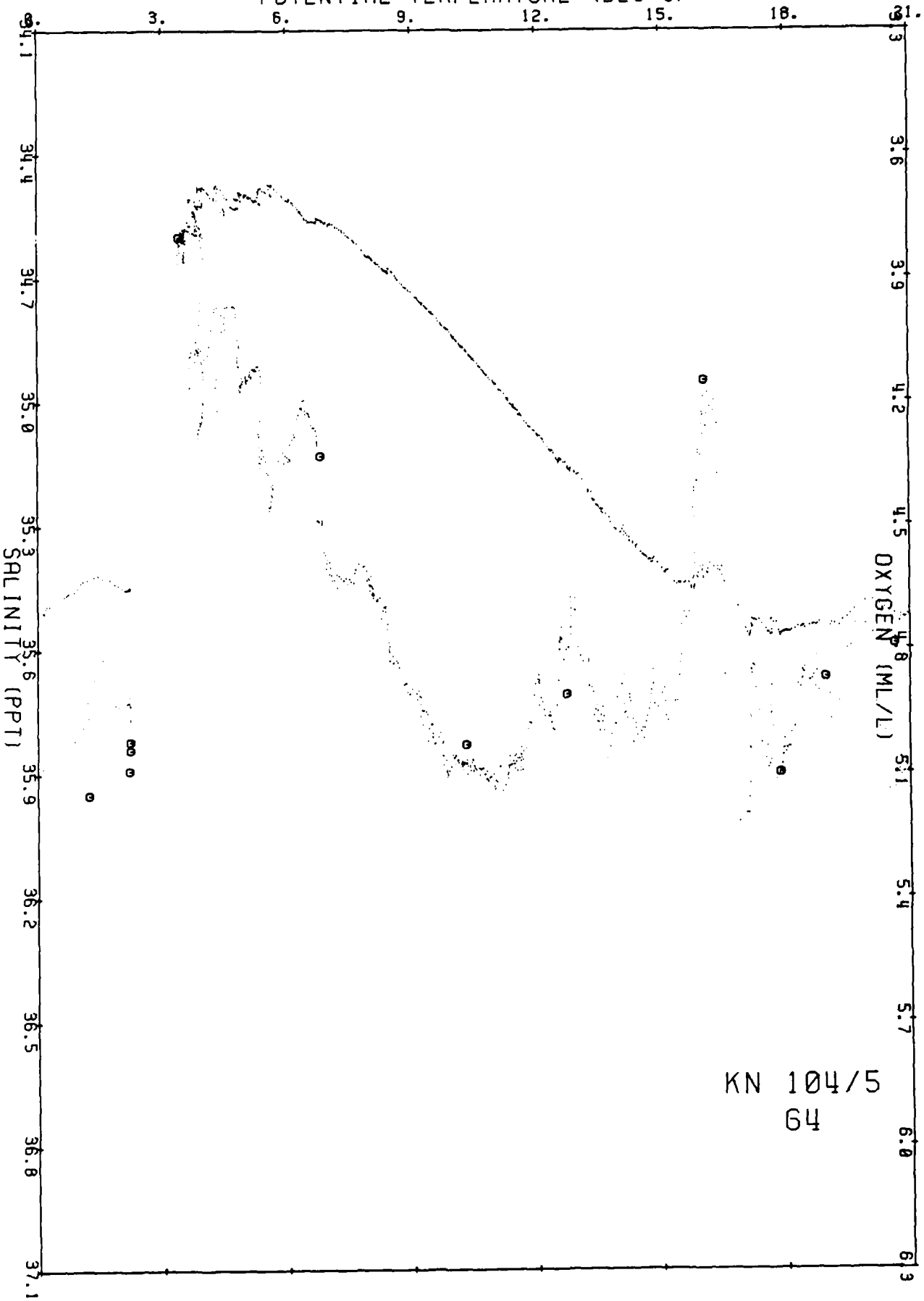

SALINITY (PPT)
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34.6
34.8
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35.2
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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200.
400.
600.
800.
1000.
1200.
1400.
1600.
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SA
OX
KN 104/5
63
OXYGEN (ML/L)
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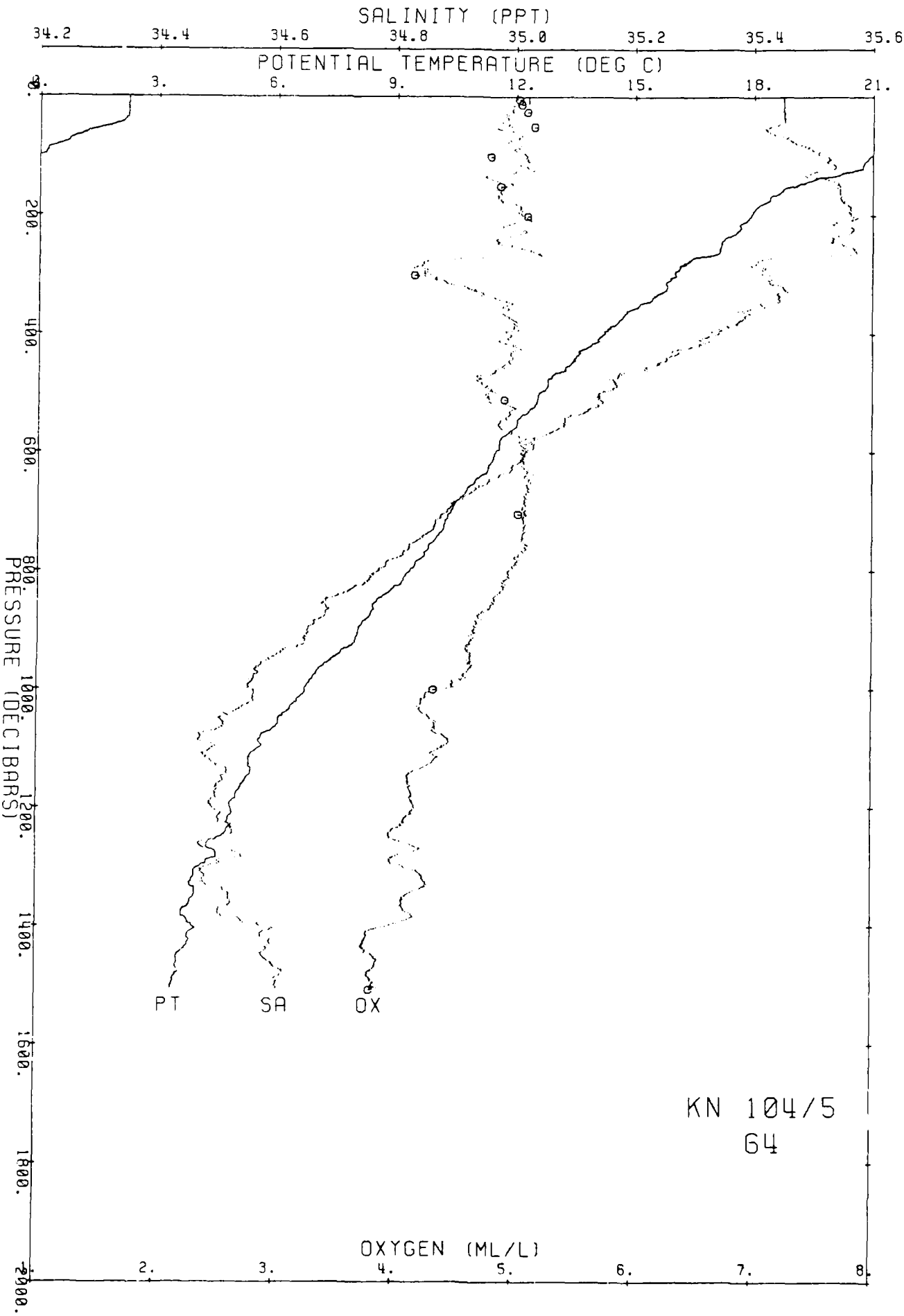
Ship KN Cruise 1045 Station 61 Cast 1 DT
Start 38 30.50 S 21 3.32 E at 954 83/12/ 6
End 38 30.39 S 21 3.87 E at 1119

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	23.229	23.229	35.449	5.1	104.9	24.209	28.431	32.561	36.601	40.555	370.1	0.00	0.00	0.0
10	23.229	23.227	35.449	5.1	104.9	24.210	28.432	32.561	36.602	40.555	370.5	.04	.43	10.0
20	23.229	23.225	35.448	5.0	102.6	24.210	28.432	32.561	36.602	40.555	370.9	.07	.22	20.0
30	23.233	23.227	35.449	4.9	101.5	24.210	28.432	32.562	36.602	40.556	371.3	.11	.33	29.9
40	23.135	23.127	35.451	4.9	101.2	24.240	28.464	32.595	36.636	40.591	368.9	.15	3.09	39.9
50	22.753	22.743	35.428	4.9	101.0	24.334	28.562	32.699	36.746	40.706	360.4	.18	5.42	49.9
60	22.210	22.199	35.429	4.9	99.5	24.489	28.726	32.870	36.924	40.891	345.9	.22	7.00	59.9
70	21.819	21.806	35.453	5.0	100.7	24.618	28.860	33.009	37.069	41.041	334.1	.25	6.36	69.9
80	21.542	21.526	35.480	5.0	99.9	24.716	28.962	33.115	37.178	41.154	325.1	.29	5.56	79.8
90	21.215	21.197	35.497	5.0	99.0	24.820	29.071	33.228	37.296	41.276	315.6	.32	5.71	89.8
100	20.991	20.972	35.520	5.1	100.8	24.899	29.153	33.314	37.384	41.367	308.5	.35	4.99	99.8
120	20.777	20.754	35.537	5.1	100.6	24.971	29.228	33.392	37.465	41.451	302.4	.41	3.37	119.7
140	19.525	19.499	35.526	4.8	92.4	25.296	29.572	33.755	37.846	41.850	272.1	.47	7.16	139.7
160	18.714	18.686	35.544	4.9	92.3	25.518	29.808	34.003	38.106	42.121	251.6	.52	5.93	159.6
180	18.273	18.242	35.556	5.0	93.9	25.639	29.936	34.138	38.248	42.269	240.7	.57	4.37	179.5
200	17.972	17.938	35.563	5.1	94.6	25.720	30.021	34.228	38.343	42.369	233.7	.62	3.58	199.4
220	17.717	17.679	35.566	4.9	91.0	25.786	30.091	34.302	38.421	42.451	228.1	.66	3.23	219.3
240	17.303	17.263	35.532	4.8	89.4	25.861	30.174	34.392	38.517	42.554	221.6	.71	3.47	239.3
260	17.189	17.145	35.571	5.1	94.4	25.919	30.233	34.453	38.580	42.618	216.8	.75	3.03	259.2
280	16.344	16.299	35.405	4.2	76.5	25.991	30.321	34.556	38.698	42.750	210.2	.80	3.46	279.1
300	16.081	16.033	35.427	4.3	77.1	26.069	30.404	34.643	38.790	42.846	203.3	.84	3.53	299.0
320	15.878	15.827	35.450	4.6	82.0	26.134	30.473	34.715	38.865	42.924	197.8	.88	3.21	318.9
340	15.511	15.458	35.441	4.8	86.1	26.211	30.556	34.805	38.960	43.026	191.0	.92	3.51	338.8
360	14.910	14.856	35.381	4.9	86.8	26.298	30.654	34.914	39.081	43.156	183.0	.95	3.78	358.7
380	14.662	14.605	35.374	5.0	87.8	26.348	30.708	34.973	39.143	43.223	178.8	.99	2.82	378.6
400	14.301	14.242	35.340	4.9	85.3	26.399	30.767	35.038	39.215	43.301	174.3	1.02	2.92	398.5
450	13.461	13.397	35.242	5.0	84.7	26.500	30.885	35.172	39.365	43.466	165.5	1.11	2.60	448.2
500	12.677	12.609	35.141	4.8	80.1	26.581	30.981	35.284	39.492	43.608	158.6	1.19	2.35	497.9
550	12.138	12.065	35.082	4.9	80.9	26.641	31.052	35.366	39.585	43.710	153.8	1.27	2.03	547.5
600	11.605	11.528	35.018	5.1	83.0	26.693	31.116	35.441	39.670	43.806	149.6	1.34	1.91	597.2
650	11.077	10.995	34.955	5.1	83.3	26.742	31.176	35.512	39.752	43.898	145.6	1.42	1.87	646.8
700	10.489	10.403	34.888	5.1	81.2	26.795	31.242	35.591	39.843	44.001	140.9	1.49	1.97	696.5
750	10.068	9.979	34.837	5.1	80.1	26.829	31.285	35.643	39.904	44.070	138.3	1.56	1.59	746.1
800	9.474	9.382	34.773	5.0	77.5	26.879	31.349	35.719	39.993	44.171	133.7	1.63	1.94	795.7
900	8.167	8.071	34.653	4.7	70.8	26.991	31.491	35.891	40.193	44.399	122.7	1.76	2.08	894.9
1000	6.845	6.748	34.562	4.3	63.3	27.109	31.640	36.071	40.402	44.637	110.6	1.87	2.15	994.0
1100	5.667	5.570	34.496	4.4	62.5	27.208	31.769	36.228	40.587	44.848	99.8	1.98	2.02	1093.1
1200	4.999	4.898	34.496	4.2	58.7	27.288	31.865	36.341	40.716	44.992	91.8	2.07	1.75	1192.1
1300	4.227	4.123	34.490	4.1	56.4	27.368	31.965	36.460	40.854	45.149	83.0	2.16	1.81	1291.0
1400	4.055	3.944	34.577	4.0	54.4	27.456	32.057	36.556	40.953	45.252	75.3	2.24	1.70	1389.9
1500	3.541	3.427	34.602	3.8	51.8	27.527	32.142	36.654	41.064	45.375	67.7	2.31	1.68	1488.7
1506	3.516	3.402	34.603	3.8	51.7	27.531	32.146	36.659	41.069	45.380	67.4	2.32	1.48	1494.6

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	23.213	23.212	35.445	5.02	4.6	0.14	1.2	0.01	0.29	24.211	28.433	32.563	36.604	40.558	4.9
13	23.221	23.218	35.445	5.04	3.7	0.15	1.3		0.40	24.209	28.432	32.561	36.602	40.556	12.6
26	23.200	23.195	35.444	5.09	4.2	0.15	1.0		0.30	24.216	28.438	32.568	36.609	40.563	25.6
51	22.246	22.236	35.457	5.15	2.9	0.15	1.0		0.50	24.500	28.736	32.879	36.933	40.899	50.2
101	20.649	20.630	35.493	4.79	4.2	0.28	2.1	0.09	0.50	24.971	29.230	33.396	37.472	41.459	100.2
151	18.993	18.966	35.547	4.87	4.4	0.28	2.5	0.02	0.34	25.449	29.734	33.925	38.024	42.035	149.6
201	17.909	17.874	35.576	5.10	4.8	0.28	3.0		0.31	25.745	30.048	34.256	38.371	42.398	199.6
301	16.102	16.054	35.409	4.15	7.8	0.72	6.7		0.34	26.051	30.385	34.624	38.770	42.826	298.7
511	12.802	12.731	35.174	4.91	7.2	0.87	7.9		0.33	26.582	30.980	35.280	39.486	43.599	506.8
705	10.384	10.298	34.872	5.03	7.6	1.20	10.3		0.30	26.801	31.250	35.601	39.855	44.015	697.9
1001	6.903	6.805	34.578	4.33	20.1	2.00	29.6		0.36	27.113	31.644	36.073	40.403	44.636	990.8
1508	3.527	3.412	34.599	3.80	58.2	2.63	34.7		0.32	27.526	32.142	36.654	41.064	45.375	1490.9


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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KN 104/5
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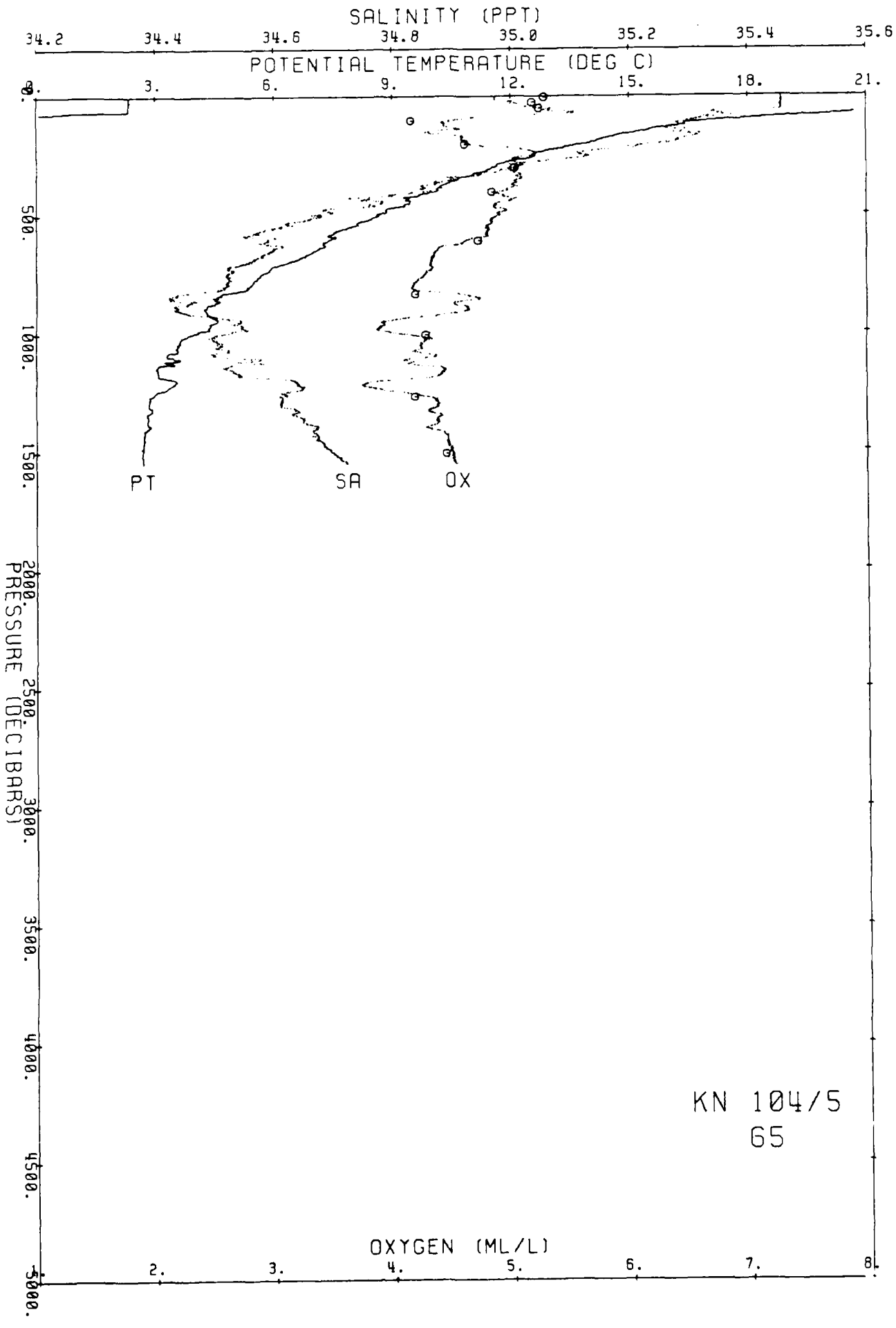

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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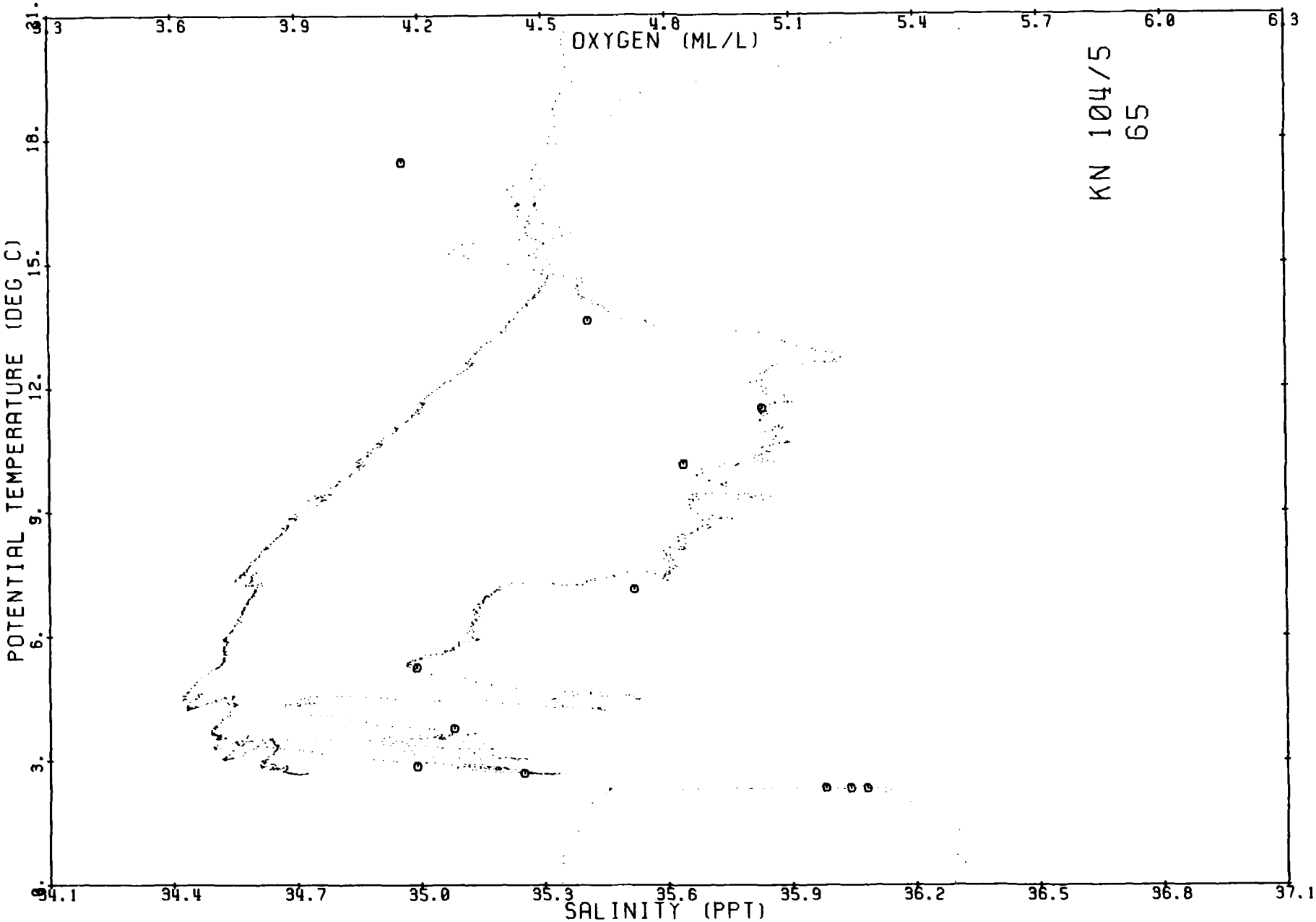

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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400.
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1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
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SA
OX
KN 104/5
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OXYGEN (ML/L)
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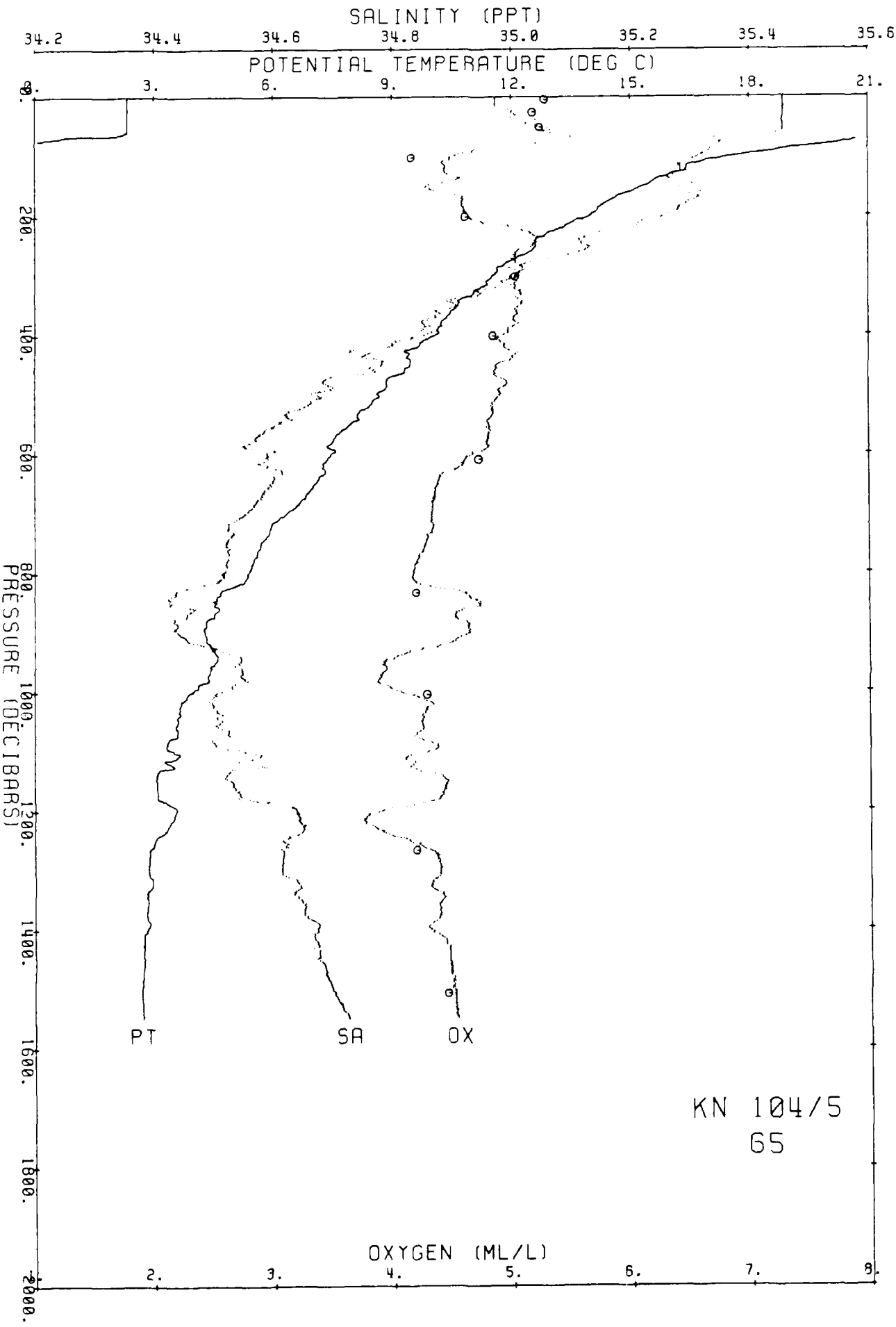
Ship KN Cruise 1045 Station 65 Cast 1 DT
Start 38 32.12 S 20 24.05 E at 1508 83/12/ 6
End 38 36.14 S 20 20.74 E at 1636

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	23.331	23.331	35.457	4.9	100.4	24.186	28.406	32.534	36.573	40.526	372.3	0.00	0.00	0.0
10	23.331	23.329	35.457	4.9	100.4	24.186	28.407	32.535	36.574	40.526	372.7	.04	.43	10.0
20	23.346	23.342	35.456	5.0	102.3	24.182	28.402	32.530	36.569	40.521	373.6	.07	1.17	20.0
30	23.346	23.340	35.457	5.0	104.0	24.183	28.404	32.532	36.570	40.523	373.9	.11	.65	29.9
40	23.346	23.338	35.455	5.2	107.7	24.182	28.403	32.531	36.569	40.522	374.4	.15	.58	39.9
50	23.348	23.338	35.457	5.2	107.6	24.184	28.404	32.532	36.571	40.523	374.7	.19	.70	49.9
60	23.314	23.302	35.453	5.3	110.0	24.191	28.412	32.541	36.580	40.533	374.4	.22	1.53	59.9
70	21.549	21.536	35.343	5.5	110.1	24.609	28.856	33.010	37.073	41.050	334.9	.26	11.48	69.9
80	20.072	20.058	35.358	5.1	99.8	25.021	29.290	33.465	37.549	41.546	296.0	.29	11.39	79.8
90	18.759	18.744	35.328	4.7	88.5	25.338	29.628	33.824	37.928	41.943	266.0	.32	10.01	89.8
100	17.695	17.679	35.314	4.5	83.9	25.593	29.900	34.112	38.233	42.264	242.1	.34	8.96	99.8
120	16.434	16.415	35.285	4.4	80.5	25.872	30.201	34.435	38.575	42.626	216.0	.39	6.65	119.7
140	15.641	15.620	35.277	4.5	80.8	26.048	30.391	34.638	38.793	42.856	199.8	.43	5.28	139.6
160	15.001	14.977	35.320	4.4	77.9	26.225	30.579	34.837	39.002	43.076	183.6	.47	5.28	159.5
180	14.381	14.355	35.295	4.6	79.8	26.340	30.706	34.976	39.151	43.236	173.0	.51	4.30	179.4
200	14.020	13.991	35.265	4.6	80.2	26.395	30.768	35.044	39.226	43.317	168.4	.54	2.95	199.4
220	13.357	13.326	35.204	5.0	85.6	26.485	30.871	35.160	39.355	43.457	160.1	.57	3.83	219.3
240	12.653	12.621	35.115	5.2	87.3	26.558	30.959	35.261	39.469	43.585	153.5	.60	3.45	239.2
260	12.508	12.473	35.116	5.0	84.4	26.588	30.991	35.297	39.508	43.626	151.1	.63	2.19	259.1
280	11.891	11.855	35.023	5.0	83.1	26.635	31.052	35.370	39.593	43.723	146.9	.66	2.82	278.9
300	11.589	11.551	35.006	5.0	82.6	26.679	31.102	35.426	39.655	43.791	143.1	.69	2.68	298.8
320	11.280	11.240	34.973	5.0	81.8	26.711	31.140	35.471	39.706	43.848	140.4	.72	2.31	318.7
340	10.794	10.753	34.906	5.1	81.4	26.747	31.187	35.528	39.773	43.924	137.1	.75	2.49	338.6
360	10.513	10.470	34.871	5.0	80.6	26.770	31.216	35.563	39.814	43.971	135.2	.78	1.98	358.5
380	10.268	10.223	34.851	5.1	80.5	26.798	31.249	35.601	39.857	44.019	132.9	.80	2.14	378.4
400	10.141	10.094	34.853	4.9	78.2	26.821	31.275	35.630	39.889	44.053	131.0	.83	1.97	398.3
450	9.493	9.442	34.783	4.9	76.2	26.877	31.345	35.714	39.986	44.164	126.4	.89	1.96	447.9
500	8.675	8.622	34.669	4.9	75.1	26.919	31.407	35.794	40.084	44.279	122.5	.96	1.80	497.6
550	8.001	7.945	34.609	4.8	72.4	26.975	31.479	35.882	40.187	44.396	117.4	1.02	2.01	547.3
600	7.510	7.450	34.590	4.7	69.8	27.033	31.548	35.962	40.278	44.497	112.3	1.07	2.00	596.9
650	7.119	7.057	34.595	4.4	64.7	27.092	31.616	36.040	40.364	44.592	107.0	1.13	2.02	646.6
700	6.400	6.336	34.553	4.3	62.9	27.156	31.698	36.138	40.479	44.723	100.6	1.18	2.18	696.2
750	5.753	5.688	34.521	4.3	61.3	27.214	31.771	36.227	40.583	44.842	94.8	1.23	2.07	745.8
800	5.419	5.351	34.515	4.2	59.3	27.250	31.816	36.280	40.644	44.910	91.5	1.28	1.63	795.4
900	4.339	4.269	34.439	4.6	64.1	27.312	31.906	36.398	40.788	45.080	84.6	1.36	1.64	894.5
1000	4.030	3.954	34.513	4.1	55.8	27.404	32.006	36.505	40.902	45.201	76.3	1.44	1.76	993.6
1100	3.564	3.484	34.551	4.3	58.4	27.481	32.095	36.606	41.015	45.324	68.7	1.52	1.68	1092.6
1200	3.626	3.536	34.637	3.9	53.2	27.544	32.156	36.665	41.072	45.380	63.9	1.58	1.38	1191.6
1300	2.949	2.858	34.613	4.4	58.7	27.589	32.220	36.746	41.170	45.495	58.4	1.64	1.45	1290.5
1400	2.910	2.812	34.672	4.3	57.7	27.641	32.272	36.799	41.224	45.549	54.2	1.70	1.28	1389.3
1500	2.795	2.689	34.697	4.5	59.9	27.671	32.306	36.836	41.264	45.592	51.6	1.75	1.05	1488.1
1551	2.814	2.704	34.724	4.5	60.7	27.692	32.325	36.855	41.282	45.610	50.2	1.78	1.08	1538.5

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	23.338	23.337	35.455	5.28	5.0	0.16	1.2	0.01	0.43	24.183	28.403	32.531	36.570	40.522	4.3
26	23.352	23.347	35.456	5.18	5.0	0.12	1.2		0.34	24.181	28.401	32.529	36.567	40.520	25.9
51	23.351	23.340	35.456	5.24	3.9	0.12	1.1		0.30	24.182	28.403	32.531	36.569	40.522	50.9
102	17.476	17.459	35.320	4.16	8.3	0.69	9.6	0.26	0.37	25.651	29.962	34.178	38.302	42.336	101.1
202	13.651	13.622	35.222	4.61	7.4	0.87	10.2	0.02	0.30	26.438	30.819	35.102	39.291	43.388	200.0
302	11.541	11.502	34.974	5.03	7.7	1.05	14.4		0.32	26.663	31.087	35.413	39.643	43.779	299.3
402	10.208	10.160	34.864	4.84	10.9	1.31	19.2		0.39	26.819	31.271	35.625	39.882	44.044	398.3
609	7.207	7.148	34.557	4.72	14.7	1.85	17.3		0.35	27.050	31.572	35.993	40.316	44.542	603.7
834	5.327	5.256	34.510	4.19	33.1	2.38	27.2		0.37	27.257	31.826	36.292	40.658	44.927	826.0
1005	3.862	3.787	34.481	4.28	36.9	2.53	26.6		0.44	27.395	32.002	36.505	40.907	45.210	994.9
1267	2.964	2.875	34.600	4.19	42.2	2.59	25.0		0.45	27.577	32.207	36.733	41.157	45.481	1253.8
1508	2.809	2.702	34.702	4.45	55.3	2.35	32.6		0.50	27.674	32.308	36.838	41.266	45.593	1490.6


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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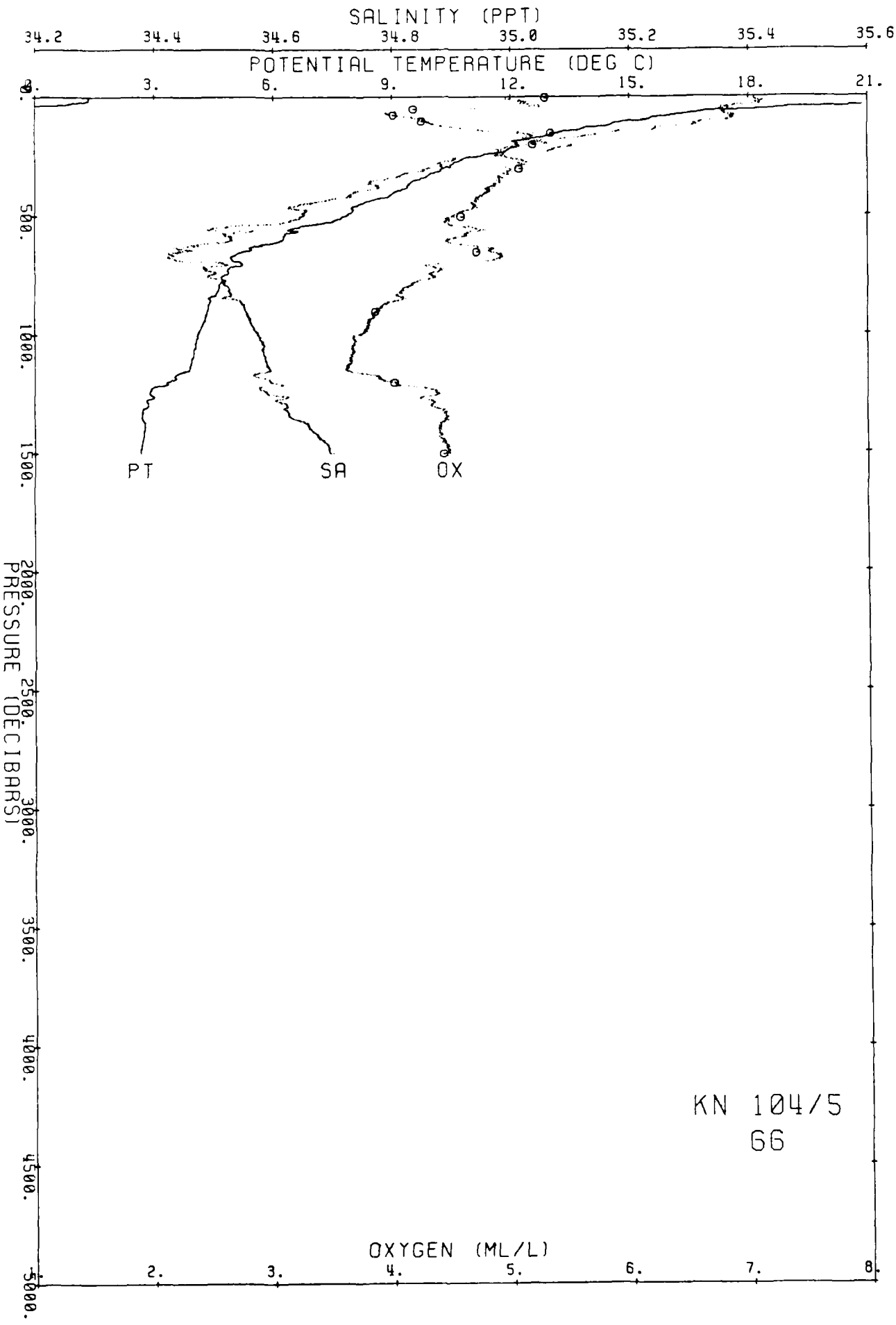

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KN 104/5
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POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)

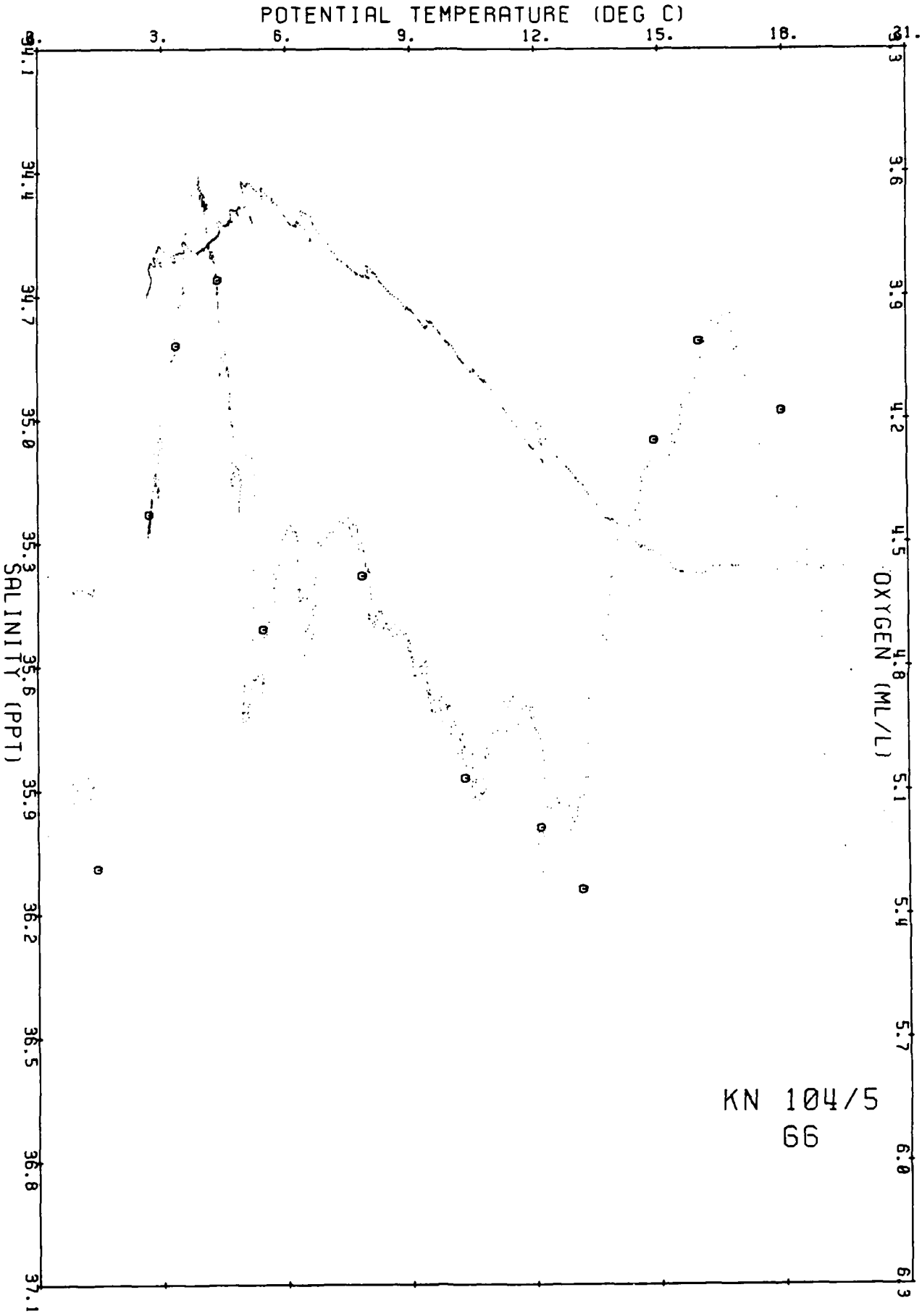

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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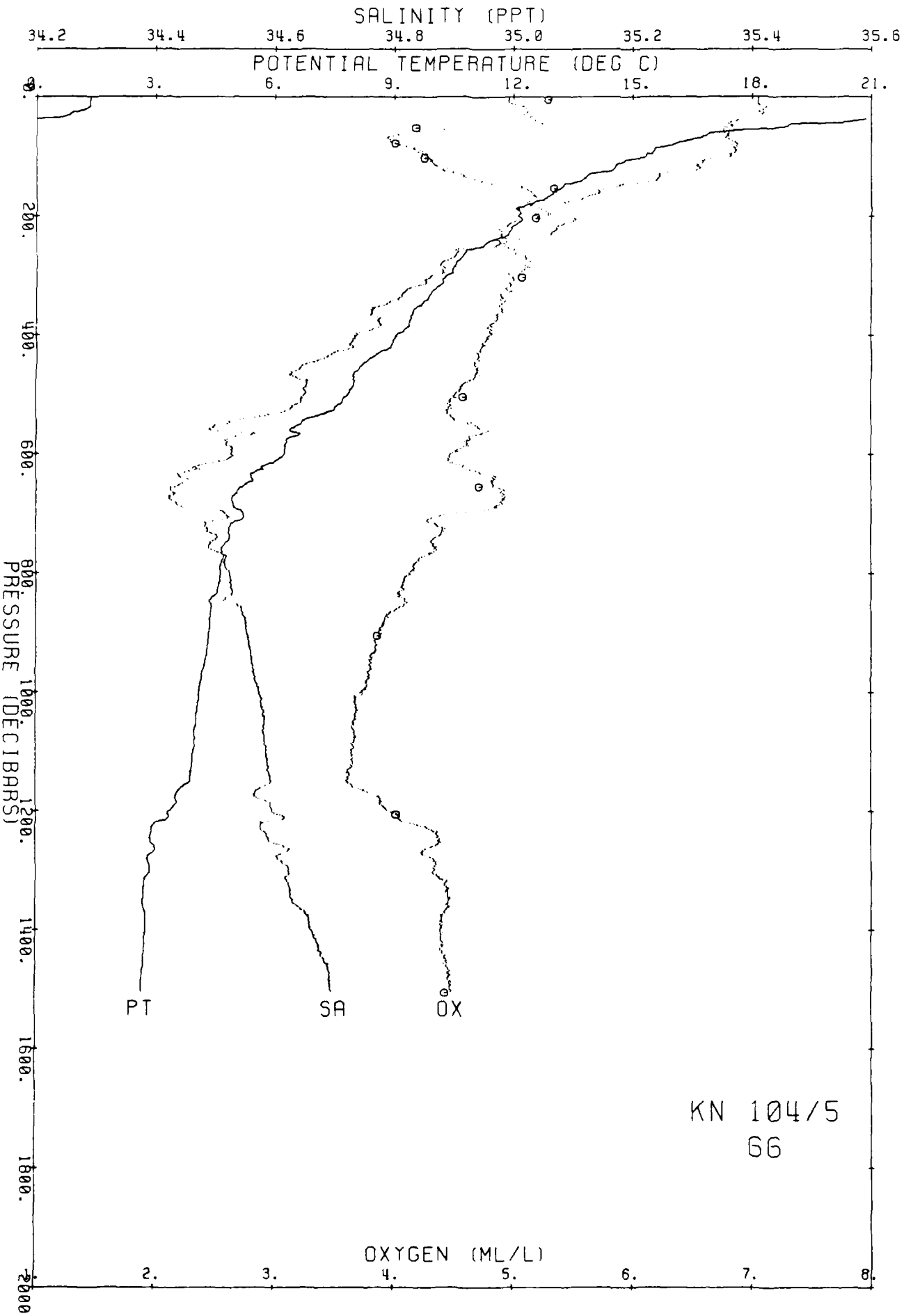
Ship KN Cruise 1045 Station 66 Cast 1 DT
Start 38 28.97 S 19 48.12 E at 1907 83/12/ 6
End 38 28.22 S 19 46.01 E at 2038

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	22.352	22.352	35.410	5.0	100.5	24.432	28.666	32.808	36.860	40.825	348.9	0.00	0.00	0.0
10	22.352	22.350	35.410	5.0	100.5	24.432	28.667	32.809	36.861	40.826	349.3	.03	.42	10.0
20	22.267	22.263	35.421	5.1	103.5	24.465	28.701	32.844	36.897	40.863	346.6	.07	3.22	20.0
30	21.858	21.852	35.417	5.1	102.0	24.578	28.819	32.968	37.027	40.999	336.3	.10	5.95	29.9
40	20.596	20.588	35.375	5.2	101.7	24.892	29.153	33.320	37.397	41.386	306.7	.14	9.95	39.9
50	18.905	18.897	35.367	4.7	88.8	25.329	29.616	33.809	37.911	41.924	265.4	.16	11.73	49.9
60	17.133	17.123	35.355	4.1	75.3	25.758	30.075	34.296	38.425	42.465	224.8	.19	11.62	59.9
70	16.583	16.571	35.360	3.9	71.8	25.893	30.219	34.449	38.587	42.635	212.3	.21	6.51	69.8
80	16.052	16.040	35.376	4.1	72.9	26.029	30.364	34.603	38.750	42.806	199.7	.23	6.54	79.8
90	15.560	15.547	35.372	4.2	75.1	26.138	30.482	34.729	38.884	42.948	189.6	.25	5.87	89.7
100	15.342	15.327	35.364	4.2	75.2	26.181	30.529	34.781	38.939	43.007	185.8	.27	3.69	99.7
120	14.572	14.554	35.312	4.4	77.6	26.311	30.673	34.939	39.111	43.192	174.0	.31	4.53	119.6
140	13.735	13.716	35.240	4.7	81.3	26.433	30.811	35.093	39.280	43.376	162.8	.34	4.41	139.5
160	13.026	13.004	35.144	5.1	87.1	26.504	30.897	35.192	39.393	43.501	156.5	.37	3.39	159.4
180	12.396	12.373	35.066	5.1	85.8	26.569	30.975	35.283	39.495	43.616	150.7	.40	3.24	179.3
200	12.138	12.112	35.054	5.2	86.2	26.610	31.021	35.334	39.552	43.677	147.2	.43	2.57	199.2
220	11.998	11.970	35.072	4.9	81.4	26.651	31.065	35.381	39.601	43.729	143.8	.46	2.56	219.1
240	11.490	11.460	35.003	4.9	79.6	26.694	31.118	35.445	39.675	43.812	140.1	.49	2.65	239.0
260	10.836	10.804	34.908	5.1	82.1	26.740	31.178	35.518	39.762	43.912	135.9	.52	2.78	258.9
280	10.585	10.552	34.878	5.1	81.4	26.761	31.205	35.551	39.800	43.955	134.2	.54	1.90	278.8
300	10.346	10.310	34.862	5.0	80.3	26.791	31.240	35.591	39.845	44.005	131.7	.57	2.22	298.7
320	10.103	10.066	34.828	4.9	78.3	26.807	31.262	35.617	39.876	44.041	130.6	.60	1.65	318.6
340	9.883	9.844	34.808	4.9	77.2	26.829	31.289	35.649	39.913	44.082	128.8	.62	1.93	338.5
360	9.521	9.481	34.763	4.9	76.7	26.855	31.323	35.691	39.962	44.139	126.5	.65	2.11	358.4
380	9.432	9.389	34.776	4.8	75.2	26.880	31.350	35.720	39.993	44.172	124.5	.67	2.02	378.2
400	9.101	9.057	34.734	4.8	74.4	26.901	31.378	35.756	40.037	44.222	122.6	.70	1.94	398.1
450	8.226	8.180	34.647	4.7	71.2	26.970	31.468	35.865	40.165	44.369	116.3	.76	2.20	447.8
500	7.902	7.851	34.651	4.5	68.1	27.022	31.527	35.932	40.239	44.450	112.0	.81	1.87	497.5
550	6.679	6.628	34.506	4.7	68.4	27.080	31.616	36.049	40.384	44.622	105.8	.87	2.15	547.1
600	6.300	6.246	34.528	4.5	65.0	27.148	31.692	36.135	40.478	44.724	99.7	.92	2.14	596.8
650	5.320	5.266	34.442	4.8	68.4	27.202	31.771	36.238	40.604	44.873	93.9	.97	2.08	646.4
700	5.272	5.214	34.518	4.5	63.4	27.268	31.838	36.305	40.673	44.942	88.2	1.01	2.04	696.0
750	4.820	4.760	34.493	4.3	60.7	27.301	31.882	35.361	40.739	45.019	85.0	1.06	1.60	745.6
800	4.712	4.649	34.526	4.1	57.8	27.340	31.923	36.405	40.785	45.068	81.7	1.10	1.59	795.2
900	4.428	4.357	34.554	3.9	53.8	27.394	31.985	36.473	40.861	45.149	77.1	1.18	1.37	894.3
1000	4.188	4.111	34.576	3.7	51.5	27.437	32.035	36.529	40.923	45.217	73.5	1.25	1.24	993.4
1100	4.052	3.968	34.587	3.7	50.3	27.461	32.062	36.560	40.957	45.255	71.9	1.33	.93	1092.4
1200	3.452	3.364	34.597	4.0	53.7	27.529	32.146	36.660	41.071	45.383	64.7	1.40	1.64	1191.4
1300	2.964	2.873	34.623	4.3	58.1	27.596	32.226	36.752	41.176	45.500	57.8	1.46	1.60	1290.3
1400	2.862	2.764	34.662	4.4	58.7	27.637	32.269	36.798	41.224	45.551	54.4	1.51	1.18	1389.1
1500	2.765	2.660	34.694	4.5	59.6	27.672	32.307	36.838	41.267	45.595	51.5	1.57	1.09	1488.0
1504	2.776	2.670	34.701	4.5	59.7	27.676	32.311	36.842	41.270	45.598	51.1	1.57	9.99	1491.9

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	22.419	22.418	35.408	5.29	2.7	0.13	1.1	0.01	0.50	24.411	28.645	32.786	36.837	40.801	4.2
52	17.973	17.964	35.390	4.18	6.1	0.60	6.7	0.36	0.75	25.581	29.883	34.090	38.206	42.232	51.9
77	15.988	15.976	35.378	4.01	8.5	0.81	8.7	0.04	0.48	26.045	30.381	34.621	38.769	42.826	76.8
103	14.901	14.886	35.327	4.25	8.7	0.84	11.3	0.03	0.49	26.250	30.606	34.866	39.032	43.107	102.0
153	13.144	13.123	35.153	5.34	4.9	0.73	7.8	0.02	0.46	26.487	30.878	35.171	39.369	43.476	151.8
203	12.148	12.121	35.067	5.19	7.3	0.91	11.1	0.04	0.50	26.618	31.029	35.342	39.559	43.684	201.2
303	10.329	10.293	34.860	5.07	10.0	1.23	16.4		0.50	26.793	31.242	35.593	39.847	44.008	300.4
504	7.857	7.806	34.646	4.58	15.2	1.78	16.8		0.54	27.025	31.531	35.937	40.245	44.456	499.8
654	5.475	5.420	34.457	4.71	20.1	2.20	19.8		0.37	27.196	31.760	36.223	40.586	44.851	648.0
906	4.417	4.346	34.547	3.86	49.7	2.59	37.1		0.49	27.389	31.981	36.470	40.857	45.146	897.0
1206	3.440	3.352	34.589	4.02	51.2	2.60	33.7		0.46	27.524	32.141	36.655	41.067	45.380	1192.9
1506	2.795	2.689	34.695	4.43	54.0	2.40	32.6		0.39	27.670	32.304	36.834	41.262	45.590	1489.0


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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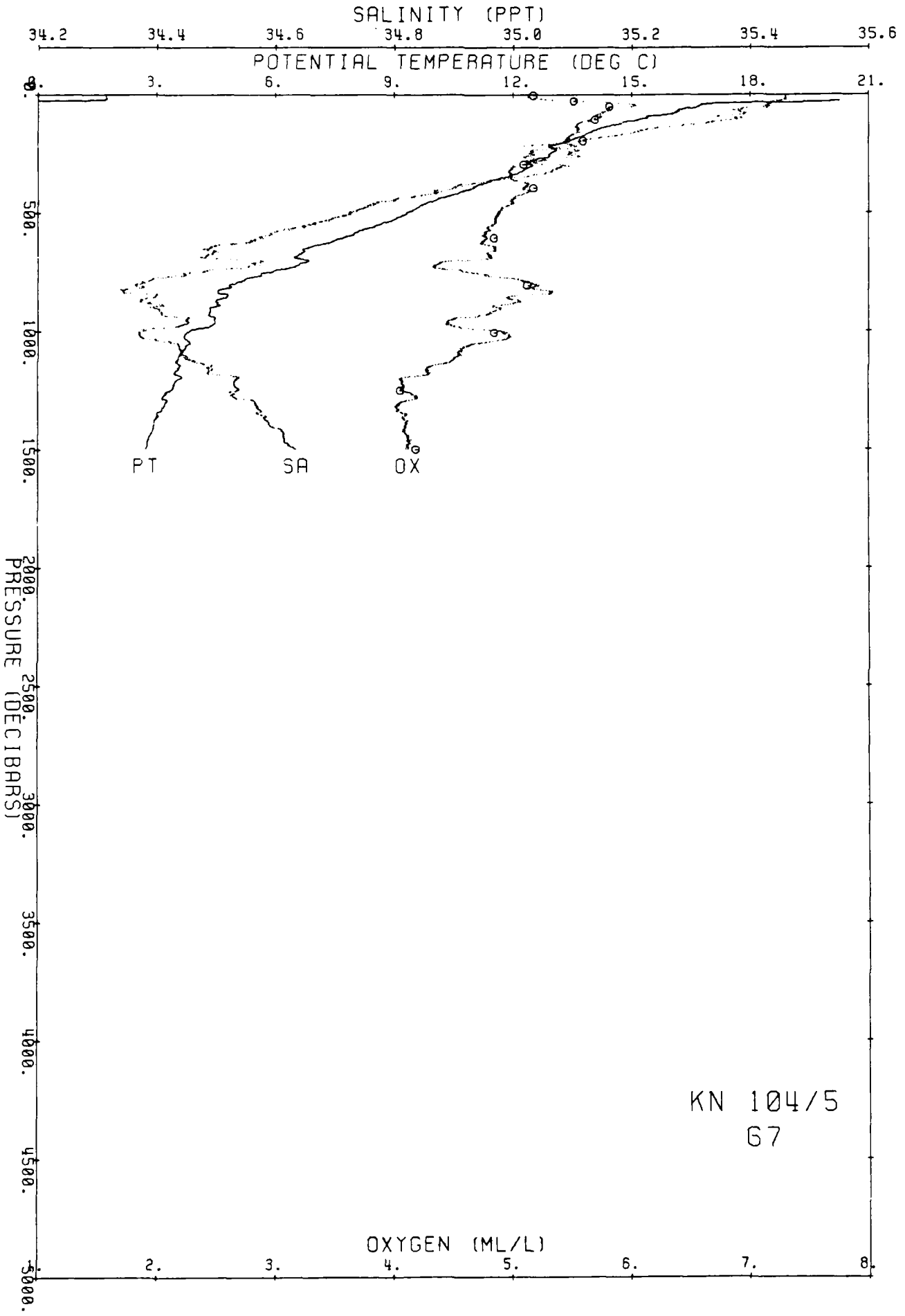

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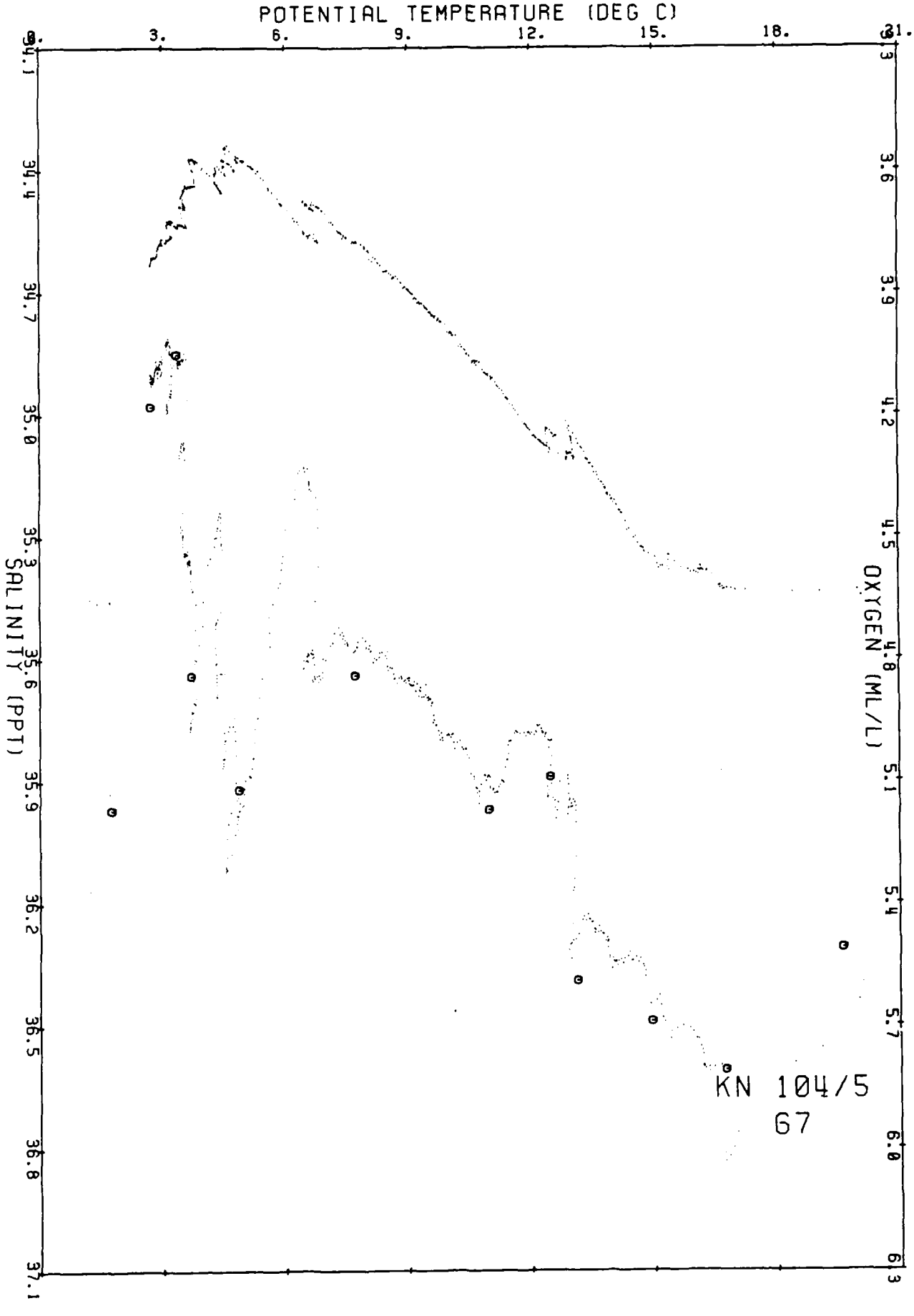

SALINITY (PPT)
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PRESSURE (DECIBARS)
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66
OXYGEN (ML/L)
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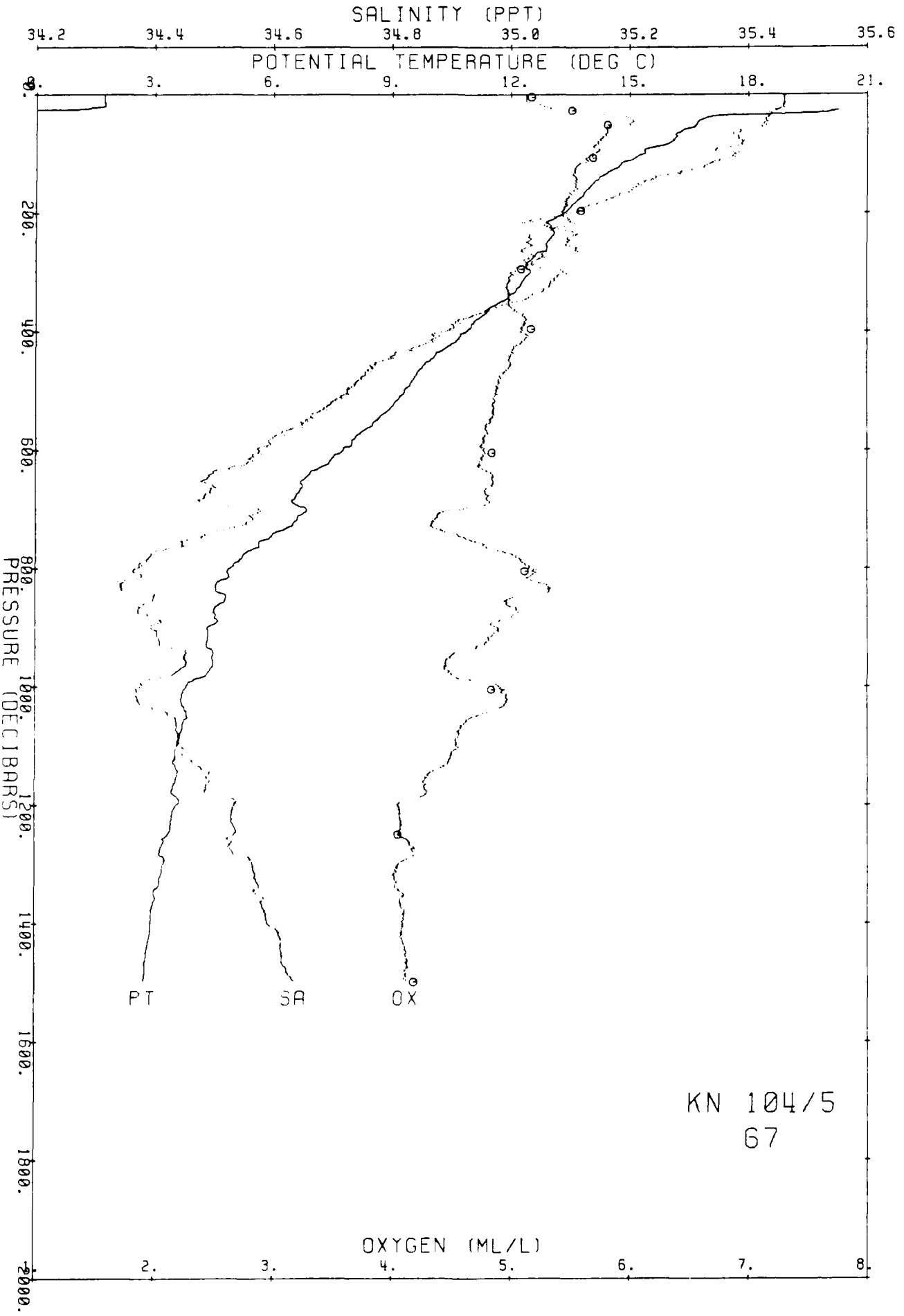
Ship KN Cruise 1045 Station 67 Cast 1 DT
Start 38 30.17 S 19 10.55 E at 2324 83/12/ 6
End 38 29.99 S 19 10.55 E at 50

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	22.721	22.721	35.460	5.1	104.6	24.364	28.593	32.730	36.776	40.737	355.3	0.00	0.00	0.0
10	22.721	22.719	35.460	5.1	104.6	24.365	28.594	32.730	36.777	40.737	355.7	.04	.43	10.0
20	22.737	22.733	35.458	5.3	107.7	24.359	28.588	32.724	36.771	40.731	356.7	.07	1.32	20.0
30	20.000	19.994	35.434	5.6	109.5	25.096	29.365	33.541	37.626	41.622	286.9	.10	15.21	29.9
40	16.919	16.912	35.430	6.0	109.9	25.866	30.186	34.410	38.542	42.584	213.8	.13	15.56	39.9
50	16.701	16.693	35.426	6.0	109.3	25.915	30.238	34.466	38.602	42.648	209.5	.15	3.92	49.9
60	16.346	16.336	35.385	5.8	105.2	25.967	30.297	34.531	38.673	42.724	204.9	.17	4.05	59.8
70	16.209	16.198	35.383	5.8	104.7	25.998	30.330	34.566	38.710	42.764	202.3	.19	3.10	69.8
80	16.077	16.065	35.391	5.7	103.3	26.034	30.369	34.608	38.754	42.810	199.2	.21	3.41	79.8
90	15.569	15.556	35.364	5.7	101.8	26.130	30.473	34.721	38.876	42.940	190.4	.23	5.48	89.7
100	15.379	15.364	35.377	5.7	101.0	26.183	30.530	34.781	38.938	43.006	185.7	.25	4.09	99.7
120	14.767	14.750	35.327	5.6	97.4	26.280	30.638	34.900	39.069	43.147	177.0	.29	3.93	119.6
140	14.250	14.230	35.244	5.5	96.2	26.328	30.696	34.969	39.147	43.233	172.9	.32	2.78	139.5
160	13.926	13.903	35.202	5.5	95.4	26.364	30.739	35.018	39.202	43.294	170.0	.35	2.42	159.4
180	13.671	13.645	35.150	5.5	93.5	26.378	30.758	35.042	39.231	43.328	169.2	.39	1.51	179.3
200	13.355	13.327	35.094	5.4	92.6	26.400	30.787	35.077	39.272	43.375	167.6	.42	1.92	199.2
220	13.026	12.996	35.057	5.5	92.8	26.439	30.832	35.128	39.329	43.439	164.4	.46	2.50	219.1
240	13.044	13.011	35.096	5.1	87.0	26.466	30.859	35.154	39.355	43.464	162.4	.49	2.06	239.0
260	12.953	12.918	35.110	5.1	86.2	26.495	30.890	35.187	39.390	43.500	160.1	.52	2.17	258.9
280	12.531	12.493	35.040	5.1	85.4	26.525	30.929	35.234	39.445	43.563	157.7	.55	2.25	278.8
300	12.533	12.493	35.089	5.0	83.7	26.563	30.966	35.272	39.482	43.600	154.6	.58	2.44	298.7
320	12.297	12.254	35.066	5.0	82.7	26.592	31.000	35.310	39.525	43.648	152.3	.61	2.17	318.6
340	11.994	11.949	35.033	5.0	82.3	26.625	31.039	35.356	39.577	43.705	149.5	.64	2.35	338.5
360	11.511	11.466	34.963	5.0	81.8	26.662	31.086	35.413	39.643	43.781	146.2	.67	2.51	358.4
380	11.162	11.115	34.910	5.1	83.2	26.685	31.117	35.451	39.689	43.833	144.3	.70	2.02	378.3
400	10.923	10.874	34.890	5.1	82.1	26.713	31.151	35.489	39.732	43.881	141.9	.73	2.17	398.2
450	9.995	9.943	34.779	5.0	78.8	26.790	31.247	35.606	39.868	44.036	135.1	.80	2.31	447.8
500	9.370	9.314	34.725	4.9	76.1	26.852	31.324	35.696	39.972	44.152	129.6	.87	2.08	497.5
550	8.648	8.589	34.654	4.8	73.9	26.913	31.401	35.789	40.080	44.276	124.1	.93	2.08	547.2
600	7.812	7.751	34.576	4.8	71.7	26.978	31.486	35.894	40.203	44.416	117.8	.99	2.19	596.8
650	6.815	6.754	34.485	4.8	71.2	27.047	31.579	36.010	40.342	44.577	110.8	1.05	2.29	646.5
700	6.899	6.832	34.576	4.6	67.3	27.108	31.638	36.066	40.396	44.629	106.0	1.10	1.93	696.1
750	5.909	5.843	34.468	4.6	66.4	27.152	31.707	36.159	40.512	44.767	100.9	1.15	1.97	745.7
800	4.965	4.900	34.368	5.2	72.6	27.186	31.765	36.241	40.617	44.894	96.6	1.20	1.81	795.3
900	4.408	4.338	34.394	4.9	67.7	27.269	31.862	36.352	40.741	45.031	88.7	1.30	1.72	894.4
1000	3.893	3.819	34.377	4.9	67.1	27.309	31.916	36.419	40.821	45.124	84.7	1.38	1.29	993.5
1100	3.648	3.567	34.445	4.5	61.8	27.388	32.001	36.511	40.918	45.227	77.5	1.46	1.63	1092.5
1200	3.662	3.572	34.536	4.0	55.1	27.460	32.072	36.581	40.988	45.295	71.8	1.54	1.49	1191.5
1300	3.332	3.237	34.564	4.1	54.7	27.515	32.136	36.653	41.068	45.383	66.5	1.61	1.43	1290.4
1400	3.021	2.922	34.591	4.1	54.9	27.566	32.195	36.720	41.143	45.466	61.5	1.67	1.39	1389.3
1498	2.838	2.732	34.634	4.1	54.9	27.617	32.251	36.780	41.208	45.535	56.7	1.73	1.36	1486.1

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	22.760	22.759	35.456	5.17	3.2	0.16	1.0	0.01	0.39	24.350	28.579	32.715	36.761	40.721	3.9
27	19.598	19.593	35.447	5.51	4.0	0.17	1.1	0.01	0.49	25.211	29.486	33.668	37.759	41.761	26.6
52	16.739	16.731	35.422	5.81	4.8	0.20	1.1	0.02	0.41	25.903	30.226	34.453	38.588	42.633	51.1
106	14.956	14.940	35.357	5.69	4.0	0.39	3.1	0.56	0.51	26.261	30.616	34.875	39.040	43.114	105.4
196	13.148	13.121	35.063	5.59	3.3	0.58	4.9	0.04	0.39	26.418	30.809	35.103	39.302	43.409	194.0
294	12.510	12.470	35.085	5.09	6.9	0.82	10.8	0.01	0.36	26.565	30.968	35.274	39.485	43.603	291.8
395	11.015	10.966	34.904	5.17	8.3	1.06	13.4		0.31	26.707	31.143	35.480	39.720	43.867	391.7
604	7.776	7.715	34.575	4.84	14.0	1.73	25.2		0.42	26.983	31.491	35.900	40.210	44.424	598.3
804	4.927	4.862	34.367	5.12	25.1	2.14	33.9		0.41	27.189	31.769	36.246	40.623	44.901	796.4
1005	3.794	3.720	34.363	4.84	34.4	2.41	35.0		0.37	27.308	31.917	36.423	40.828	45.133	994.6
1250	3.451	3.359	34.529	4.05	57.3	2.61	40.7		0.35	27.476	32.093	36.607	41.020	45.332	1236.7
1499	2.834	2.728	34.629	4.18	53.4	2.50	31.8		0.39	27.614	32.247	36.777	41.205	45.532	1482.5


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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KN 104/5
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POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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KN 104/5
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SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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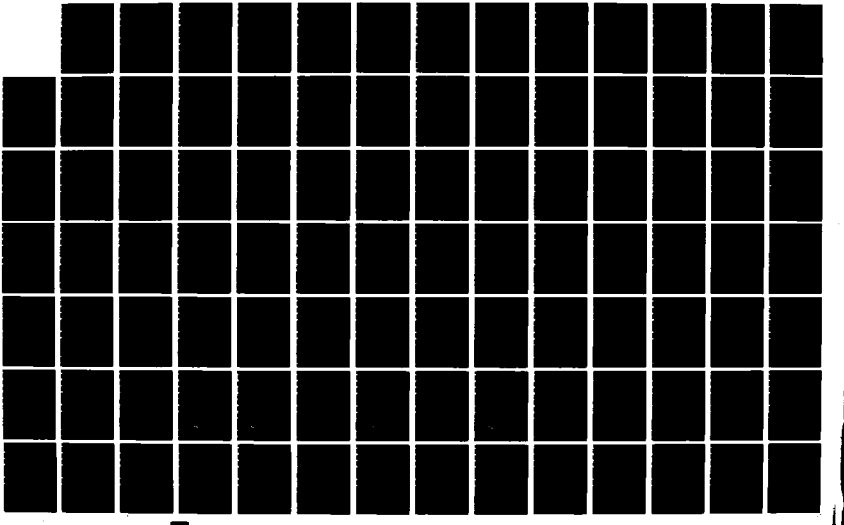
Ship KN Cruise 1045 Station 68 Cast 1 DT
Start 38 29.95 S 18 32.68 E at 414 83/12/ 7
End 38 27.28 S 18 33.58 E at 523

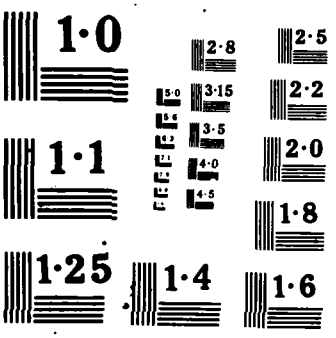
PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	17.665	17.665	35.520	5.7	106.3	25.754	30.060	34.271	38.391	42.421	223.1	0.00	0.00	0.0
10	17.640	17.639	35.512	5.8	108.3	25.754	30.061	34.273	38.393	42.423	223.4	.02	.35	10.0
20	17.517	17.514	35.497	5.9	109.5	25.773	30.082	34.296	38.418	42.451	222.0	.04	2.44	19.9
30	17.288	17.283	35.462	5.7	104.7	25.802	30.115	34.333	38.459	42.495	219.6	.07	3.02	29.9
40	17.081	17.074	35.446	5.7	103.9	25.840	30.157	34.378	38.507	42.547	216.3	.09	3.45	39.9
50	16.745	16.737	35.425	5.7	103.9	25.904	30.227	34.454	38.589	42.634	210.6	.11	4.49	49.8
60	16.628	16.619	35.415	5.6	102.7	25.924	30.249	34.478	38.615	42.662	209.0	.13	2.52	59.8
70	16.581	16.570	35.421	5.6	102.6	25.940	30.266	34.496	38.633	42.681	207.8	.15	2.25	69.8
80	16.442	16.429	35.409	5.7	103.3	25.964	30.292	34.524	38.664	42.714	205.9	.17	2.73	79.7
90	16.170	16.156	35.416	5.7	102.1	26.033	30.365	34.603	38.747	42.801	199.7	.19	4.66	89.7
100	16.134	16.119	35.409	5.6	101.6	26.036	30.369	34.607	38.752	42.807	199.7	.21	1.01	99.6
120	15.408	15.389	35.354	5.7	100.9	26.159	30.506	34.757	38.914	42.981	188.5	.25	4.42	119.6
140	14.880	14.859	35.350	5.6	98.5	26.274	30.630	34.890	39.057	43.132	178.2	.29	4.26	139.5
160	14.355	14.332	35.263	5.6	97.2	26.321	30.687	34.957	39.134	43.219	174.3	.32	2.76	159.4
180	13.857	13.832	35.173	5.6	96.5	26.357	30.734	35.013	39.199	43.293	171.3	.36	2.44	179.3
200	13.211	13.184	35.040	5.8	97.8	26.387	30.777	35.070	39.268	43.374	168.7	.39	2.28	199.2
220	13.047	13.017	35.026	5.8	97.2	26.410	30.804	35.100	39.301	43.410	167.1	.43	1.92	219.1
240	12.774	12.741	34.988	5.8	97.6	26.436	30.835	35.136	39.343	43.457	165.1	.46	2.05	239.0
260	12.857	12.821	35.030	5.6	94.1	26.453	30.850	35.149	39.354	43.466	164.1	.49	1.59	258.9
280	12.434	12.397	34.956	5.7	94.3	26.479	30.885	35.193	39.406	43.527	162.0	.52	2.12	278.8
300	12.454	12.414	34.980	5.7	95.2	26.494	30.899	35.207	39.420	43.540	161.1	.56	1.54	298.7
320	12.159	12.117	34.948	5.7	94.9	26.527	30.938	35.252	39.470	43.596	158.4	.59	2.33	318.6
340	11.698	11.655	34.882	5.8	95.0	26.563	30.985	35.308	39.535	43.670	155.1	.62	2.50	338.5
360	11.433	11.387	34.846	5.6	91.9	26.585	31.012	35.341	39.574	43.714	153.4	.65	1.93	358.4
380	11.071	11.024	34.808	5.7	91.5	26.622	31.057	35.393	39.633	43.780	150.1	.68	2.49	378.3
400	10.963	10.913	34.836	5.6	90.0	26.664	31.101	35.439	39.681	43.830	146.6	.71	2.58	398.1
450	10.401	10.347	34.796	5.4	86.0	26.733	31.182	35.532	39.786	43.946	140.8	.78	2.16	447.8
500	9.721	9.664	34.717	5.4	84.3	26.788	31.252	35.617	39.885	44.059	136.0	.85	1.97	497.5
550	9.165	9.104	34.690	5.1	79.6	26.859	31.336	35.713	39.993	44.177	129.8	.92	2.20	547.2
600	8.573	8.509	34.638	4.9	75.7	26.912	31.403	35.793	40.086	44.283	125.0	.98	1.96	596.8
650	8.046	7.979	34.610	4.8	72.5	26.971	31.474	35.876	40.180	44.388	119.7	1.04	2.04	646.5
700	6.748	6.682	34.462	5.0	73.3	27.039	31.573	36.006	40.339	44.576	112.2	1.10	2.36	696.1
750	6.141	6.074	34.431	5.2	75.0	27.094	31.643	36.090	40.438	44.689	106.7	1.16	2.03	745.7
800	4.816	4.752	34.254	5.8	81.6	27.112	31.695	36.176	40.557	44.838	103.1	1.21	1.67	795.3
900	4.737	4.665	34.354	5.5	76.1	27.201	31.786	36.268	40.650	44.933	95.8	1.31	1.68	894.4
1000	3.942	3.867	34.322	5.4	73.6	27.261	31.866	36.369	40.770	45.072	89.3	1.40	1.57	993.5
1100	3.592	3.502	34.349	5.1	69.5	27.318	31.934	36.445	40.856	45.166	83.9	1.49	1.45	1092.5
1200	3.398	3.311	34.414	4.7	63.9	27.389	32.008	36.524	40.939	45.254	77.6	1.57	1.53	1191.5
1300	3.340	3.246	34.498	4.3	57.6	27.462	32.082	36.600	41.015	45.331	71.4	1.64	1.52	1290.5
1400	3.261	3.159	34.572	3.9	53.1	27.529	32.151	36.670	41.087	45.405	65.7	1.71	1.47	1389.3
1500	2.892	2.786	34.57.	4.1	55.1	27.562	32.195	36.723	41.150	45.476	62.0	1.77	1.22	1488.2
1501	2.886	2.779	34.571	4.1	55.1	27.563	32.196	36.724	41.151	45.478	62.0	1.78	9.99	1489.2

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	17.747	17.746	35.523	5.67	3.6	0.20	0.8	0.01	0.36	25.736	30.041	34.251	38.369	42.399	3.9
12	17.683	17.681	35.518	5.67	3.2	0.20	0.9		0.50	25.748	30.054	34.266	38.385	42.415	11.7
25	17.543	17.539	35.503	5.75	3.1	0.19	0.8		0.39	25.772	30.080	34.294	38.415	42.448	25.2
51	17.094	17.086	35.456	5.80	2.3	0.22	0.8		0.48	25.845	30.161	34.383	38.512	42.551	50.1
101	16.033	16.017	35.399	5.82	3.0	0.24	0.9	0.02	0.70	26.052	30.387	34.626	38.773	42.830	100.0
151	14.394	14.372	35.263	5.64	3.7	0.46	4.1	0.02	0.41	26.312	30.678	34.947	39.123	43.207	149.8
201	13.120	13.092	35.028	5.83	3.1	0.55	5.0	0.24	0.40	26.397	30.788	35.083	39.283	43.391	199.7
302	12.438	12.398	34.989	5.83	3.2	0.69	6.4	0.01	0.41	26.504	30.910	35.218	39.431	43.551	299.3
503	9.638	9.580	34.717	5.31	5.9	1.24	18.3		0.42	26.802	31.268	35.635	39.905	44.080	498.1
701	6.456	6.391	34.431	5.12	13.9	1.90	28.8		0.42	27.053	31.594	36.034	40.375	44.618	694.1
998	4.038	3.962	34.319	5.23	24.6	2.30	32.4		0.40	27.248	31.852	36.352	40.751	45.051	987.5
1503	2.844	2.738	34.570	4.20	52.6	2.58	35.7		0.42	27.566	32.200	36.730	41.157	45.485	1485.7

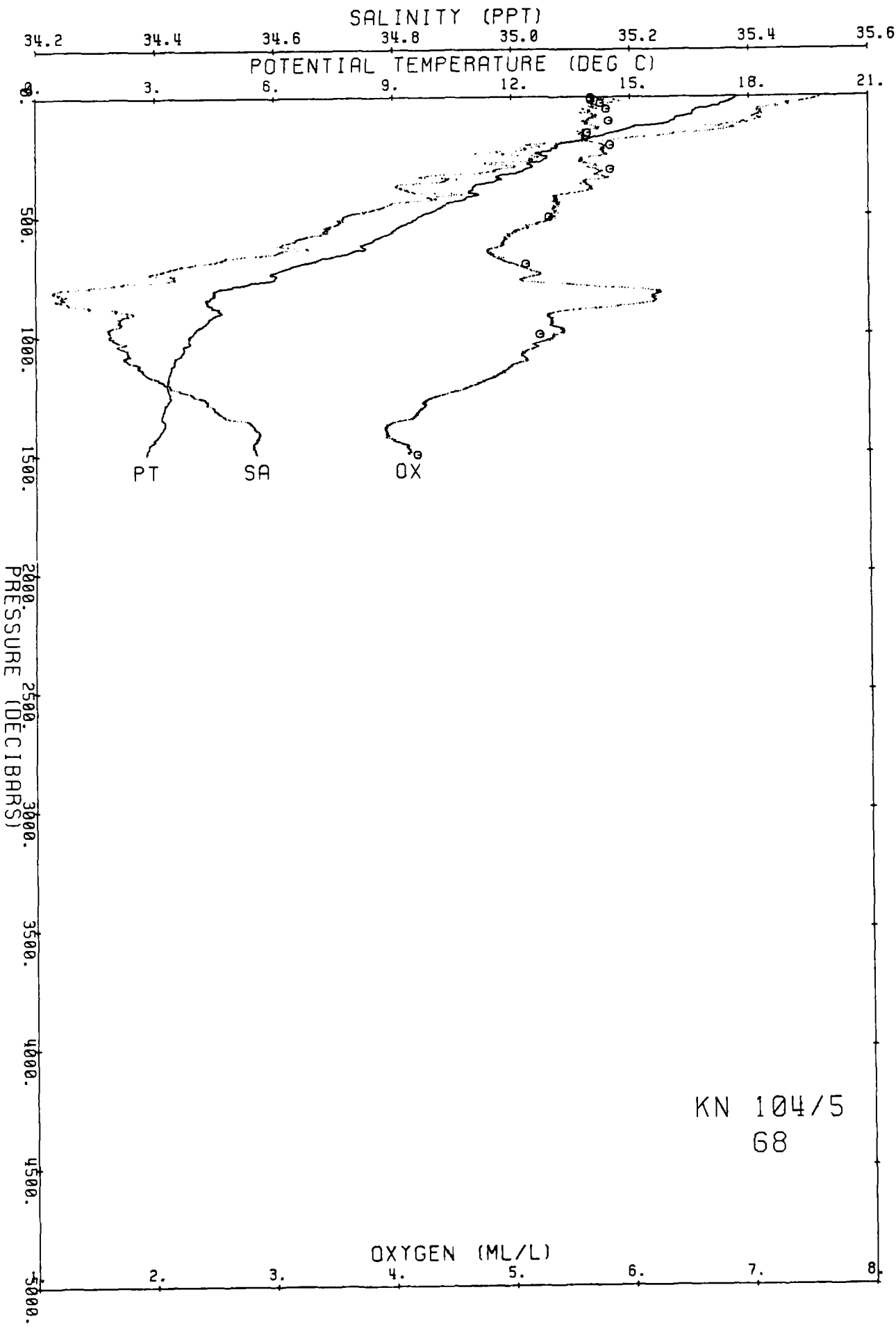
AD-A168 163 AGULHAS RETROFLECTION CRUISE NOVEMBER-DECEMBER 1983 HYDROGRAPHIC (CTD) DATA(U) LAMONT-DOHERTY GEOLOGICAL OBSERVATORY PALISADES NY D B CAMP ET AL. FEB 86 4/5

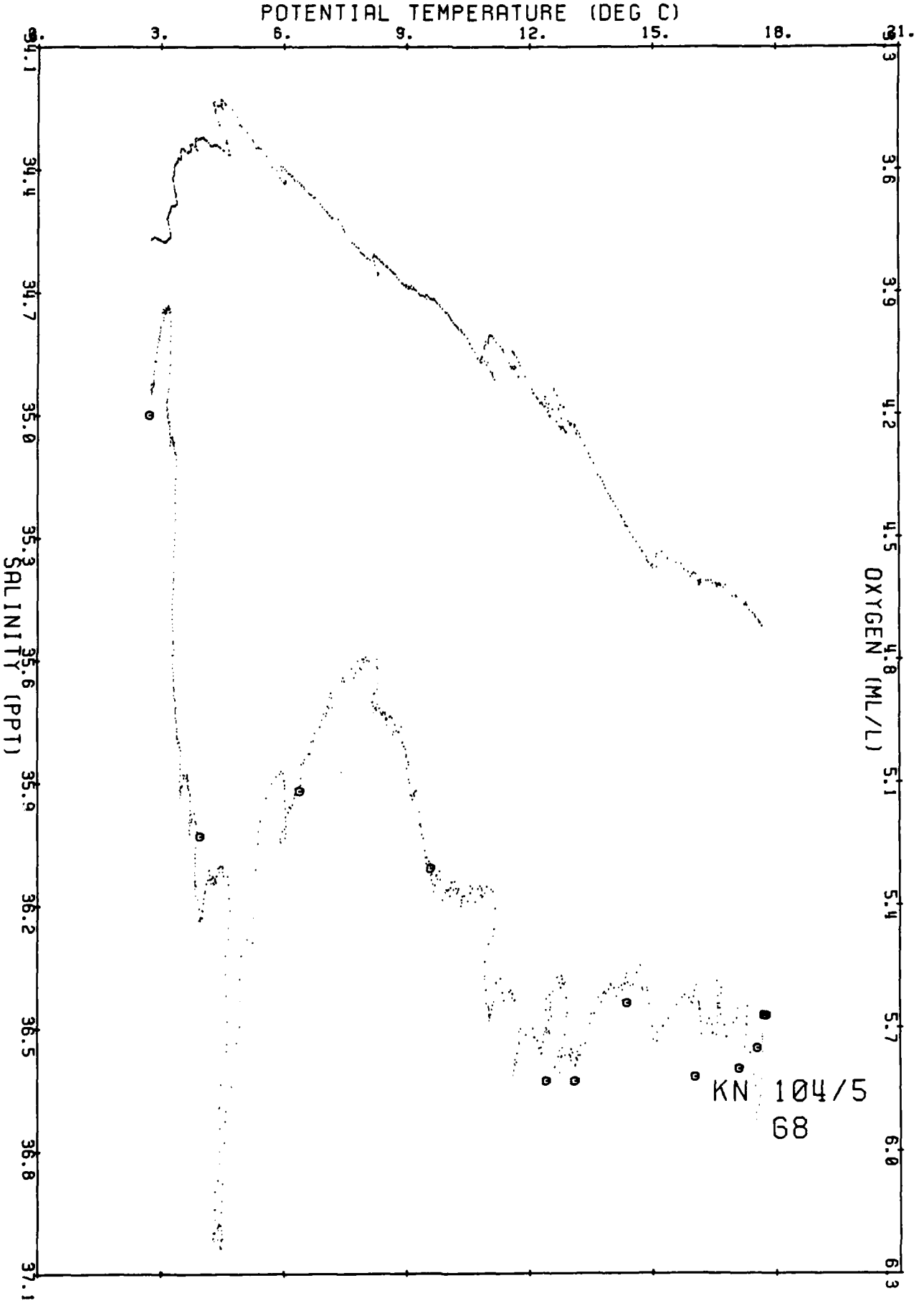
UNCLASSIFIED LDGO-86-1 N00014-84-C-0132 F/G 8/1 NL

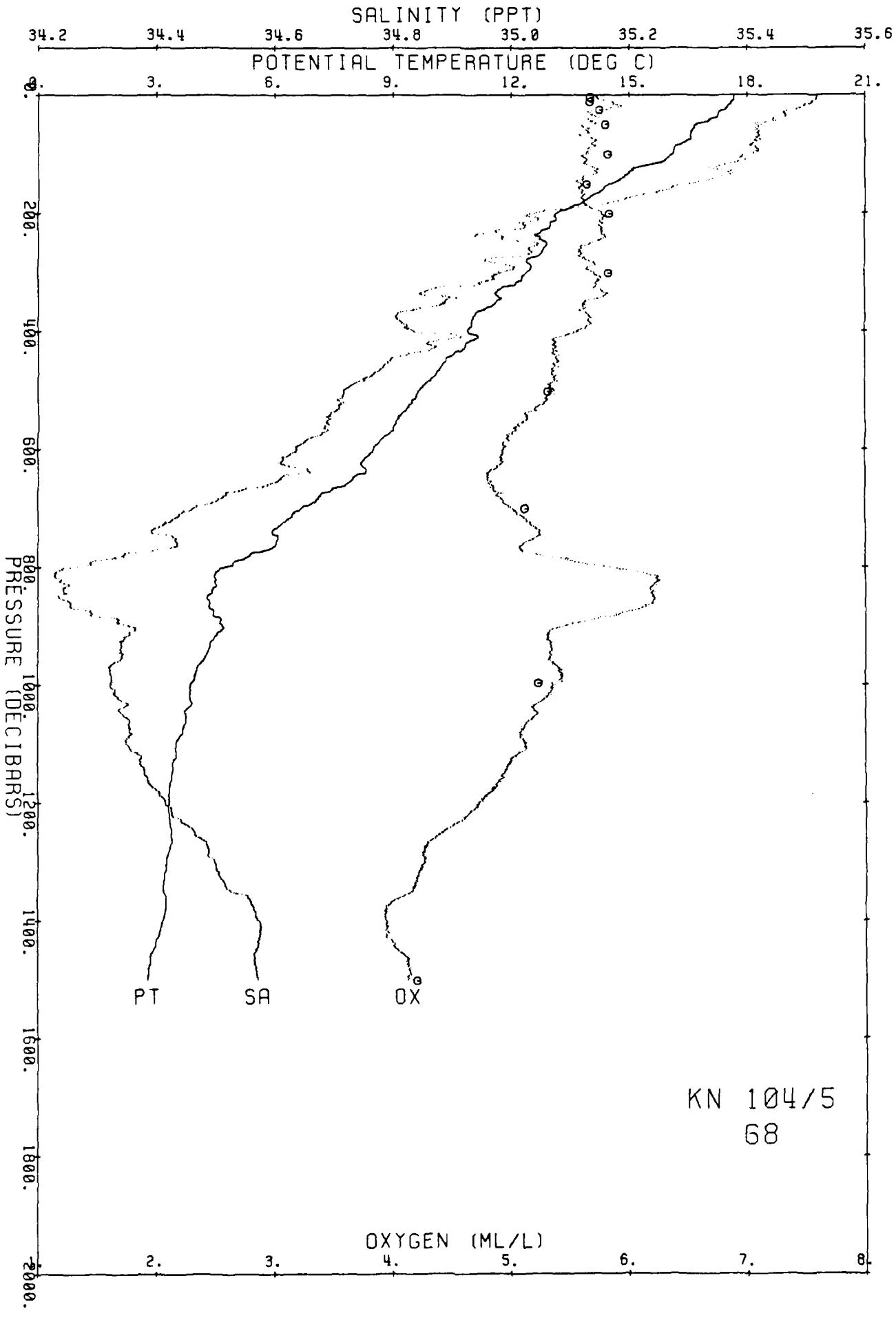




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MICROCOPY RESOLUT TEST


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
OXYGEN (ML/L)
2.
3.
4.
5.
6.
7.
8.
KN 104/5
68

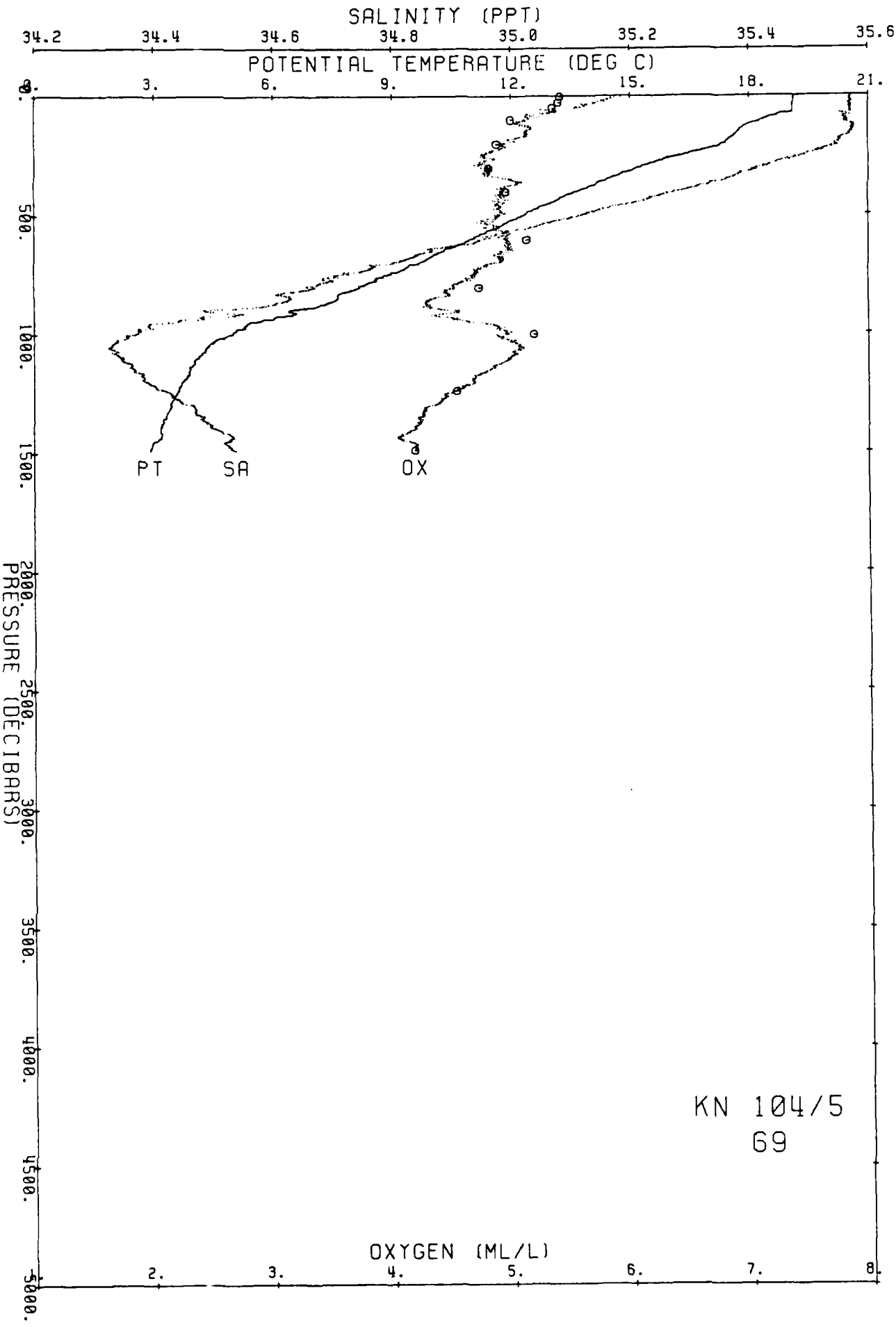

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
5.4
5.7
6.0
6.3
KN 104/5
68

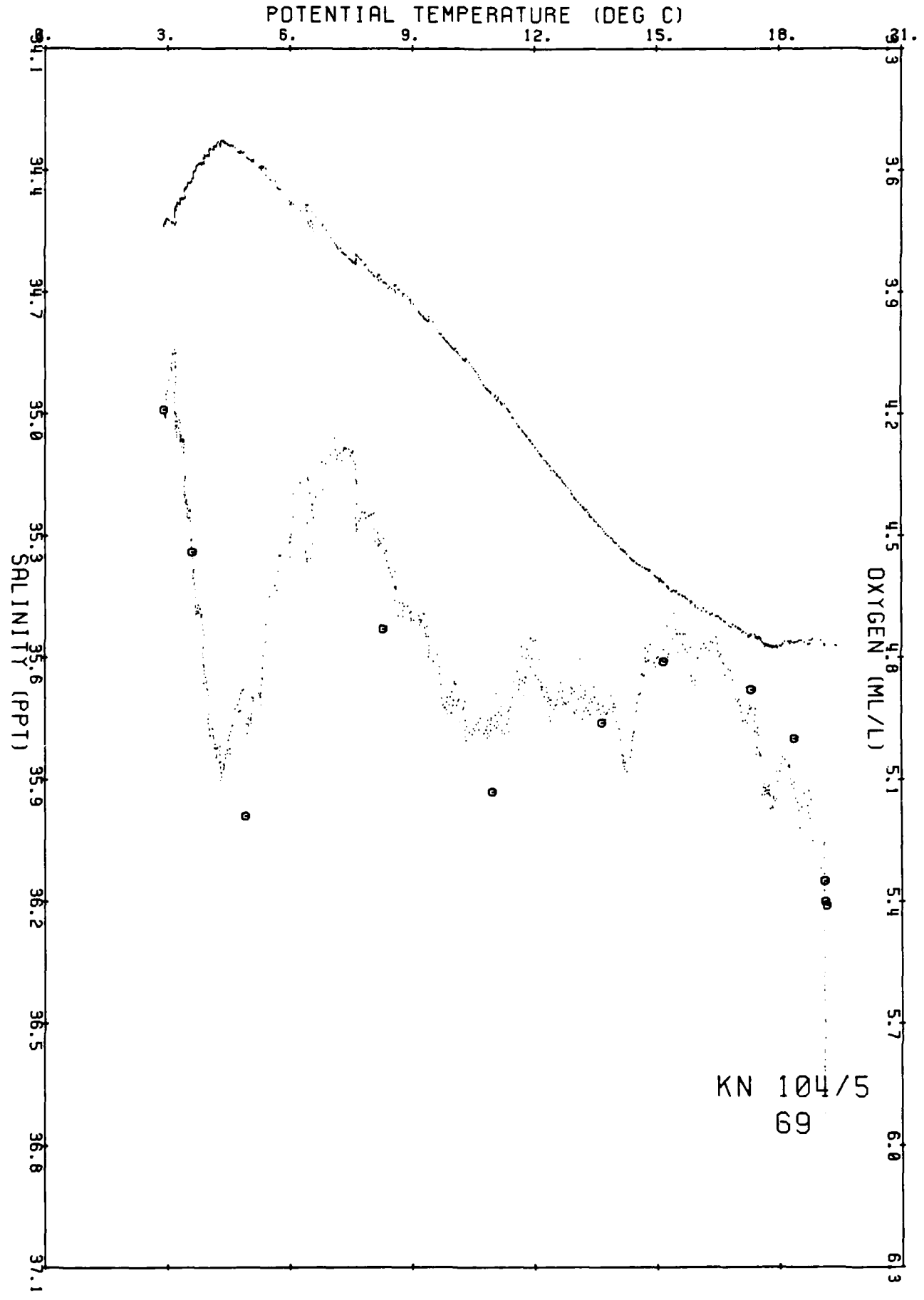

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PT
SA
OX
KN 104/5
68
OXYGEN (ML/L)
2.
3.
4.
5.
6.
7.
8.

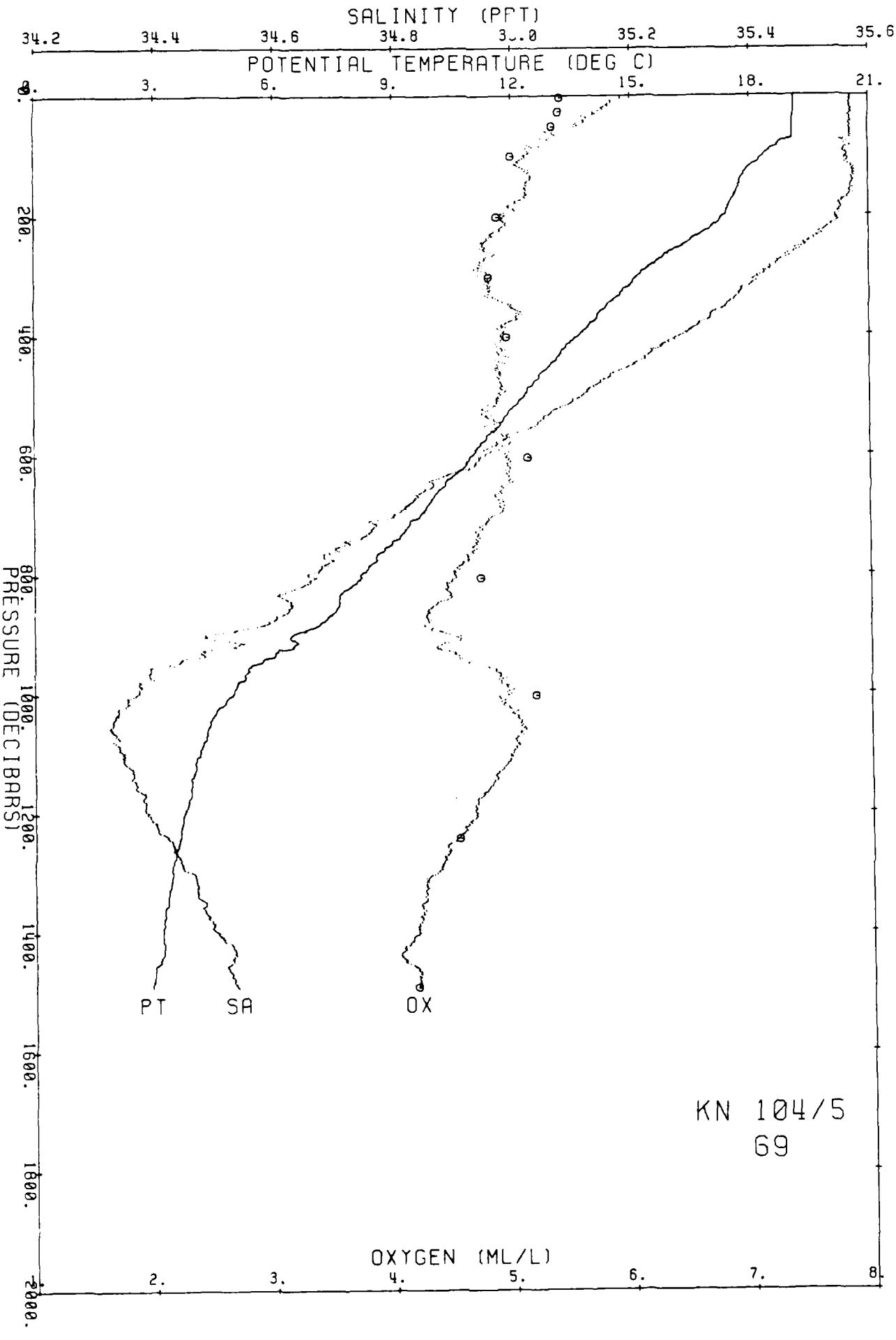
Ship KN Cruise 1045 Station 69 Cast 1 DT
Start 38 29.62 S 17 54.62 E at 1010 83/12/ 7
End 38 28.67 S 17 56.10 E at 1140

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	19.115	19.115	35.570	5.9	113.2	25.428	29.711	33.899	37.996	42.005	254.0	0.00	0.00	0.0
10	19.121	19.119	35.569	5.8	111.7	25.427	29.709	33.897	37.994	42.003	254.6	.03	-.73	10.0
20	19.122	19.119	35.569	5.8	110.2	25.427	29.709	33.897	37.994	42.003	254.9	.05	.15	19.9
30	19.114	19.109	35.572	5.7	109.1	25.432	29.714	33.902	37.999	42.008	254.9	.08	1.23	29.9
40	19.106	19.099	35.570	5.6	107.1	25.433	29.715	33.904	38.001	42.010	255.2	.10	.56	39.9
50	19.105	19.097	35.570	5.6	106.3	25.433	29.716	33.905	38.002	42.011	255.5	.13	.48	49.8
60	19.104	19.093	35.571	5.3	101.2	25.435	29.718	33.906	38.004	42.013	255.7	.15	.74	59.8
70	19.105	19.092	35.569	5.4	102.7	25.434	29.716	33.905	38.002	42.011	256.2	.18	-.67	69.8
80	18.765	18.751	35.567	5.2	98.6	25.519	29.807	34.001	38.104	42.118	248.4	.20	5.19	79.7
90	18.558	18.542	35.559	5.2	97.7	25.566	29.858	34.055	38.161	42.178	244.4	.23	3.84	89.7
100	18.392	18.375	35.565	5.1	96.3	25.613	29.907	34.107	38.215	42.234	240.3	.25	3.84	99.7
120	18.036	18.016	35.571	5.1	95.1	25.707	30.007	34.212	38.326	42.351	232.0	.30	3.85	119.6
140	17.815	17.791	35.573	5.2	96.4	25.764	30.067	34.276	38.394	42.422	227.3	.35	3.00	139.5
160	17.713	17.686	35.569	5.1	95.4	25.786	30.092	34.303	38.422	42.451	225.9	.39	1.90	159.5
180	17.545	17.514	35.551	5.0	93.4	25.814	30.123	34.337	38.458	42.491	223.9	.44	2.11	179.4
200	17.430	17.396	35.544	5.0	91.7	25.838	30.148	34.364	38.487	42.522	222.4	.48	1.93	199.3
220	17.090	17.053	35.532	4.9	90.4	25.911	30.227	34.449	38.578	42.618	216.0	.52	3.42	219.2
240	16.583	16.544	35.503	4.8	87.3	26.009	30.335	34.565	38.702	42.750	207.2	.57	3.96	239.1
260	16.058	16.016	35.479	4.8	86.5	26.113	30.448	34.687	38.833	42.889	197.8	.61	4.08	259.0
280	15.673	15.629	35.447	4.8	85.2	26.177	30.519	34.765	38.918	42.980	192.3	.65	3.21	278.9
300	15.300	15.254	35.423	4.7	83.8	26.243	30.591	34.844	39.003	43.072	186.5	.68	3.26	298.8
320	15.003	14.955	35.399	4.8	84.9	26.290	30.645	34.903	39.067	43.141	182.5	.72	2.78	318.7
340	14.649	14.598	35.373	4.9	85.5	26.348	30.709	34.974	39.145	43.225	177.4	.76	3.07	338.6
360	14.325	14.272	35.345	5.1	88.3	26.397	30.764	35.035	39.211	43.297	173.3	.79	2.82	358.5
380	14.070	14.015	35.317	5.0	85.7	26.430	30.802	35.077	39.259	43.349	170.6	.83	2.34	378.4
400	13.778	13.721	35.288	4.9	84.8	26.469	30.847	35.128	39.315	43.410	167.3	.86	2.55	398.3
450	13.050	12.987	35.207	4.9	82.6	26.557	30.949	35.244	39.445	43.553	159.9	.94	2.42	448.0
500	12.402	12.335	35.121	4.9	81.8	26.619	31.025	35.333	39.546	43.667	154.8	1.02	2.08	497.7
550	11.789	11.717	35.042	4.8	78.9	26.676	31.095	35.416	39.641	43.773	150.1	1.10	2.00	547.4
600	11.103	11.028	34.956	5.0	80.5	26.737	31.170	35.506	39.745	43.890	144.8	1.17	2.08	597.0
650	10.390	10.312	34.868	5.0	79.0	26.796	31.245	35.595	39.849	44.009	139.6	1.24	2.07	646.7
700	9.792	9.710	34.804	4.9	76.6	26.849	31.311	35.674	39.941	44.113	134.9	1.31	1.97	696.3
750	9.039	8.955	34.719	4.7	72.6	26.906	31.385	35.765	40.048	44.236	129.4	1.38	2.09	745.9
800	8.269	8.184	34.657	4.5	68.5	26.977	31.475	35.872	40.171	44.375	122.3	1.44	2.31	795.5
900	6.541	6.457	34.485	4.5	65.2	27.087	31.626	36.064	40.403	44.644	110.4	1.56	2.13	894.7
1000	5.055	4.971	34.370	5.0	70.1	27.179	31.756	36.231	40.605	44.881	99.7	1.66	2.00	993.8
1100	4.225	4.139	34.348	5.0	68.8	27.253	31.852	36.347	40.742	45.037	91.7	1.76	1.73	1092.8
1200	3.827	3.736	34.387	4.7	64.1	27.326	31.934	36.440	40.844	45.148	84.8	1.84	1.62	1191.8
1300	3.544	3.448	34.465	4.4	59.1	27.416	32.032	36.544	40.955	45.266	76.3	1.93	1.76	1290.8
1400	3.284	3.182	34.504	4.2	56.5	27.472	32.095	36.614	41.031	45.348	71.0	2.00	1.43	1389.6
1493	3.023	2.915	34.538	4.2	56.1	27.524	32.154	36.679	41.103	45.426	66.0	2.06	1.44	1481.5

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	19.151	19.150	35.575	5.41	3.2	0.20	0.9	0.04	0.43	25.423	29.705	33.893	37.989	41.997	3.7
27	19.127	19.122	35.571	5.40	3.3	0.20	0.9	0.04	0.51	25.428	29.710	33.898	37.995	42.003	27.0
52	19.115	19.106	35.571	5.35	3.1	0.18	0.9	0.05	0.49	25.432	29.714	33.903	38.000	42.009	51.3
101	18.383	18.365	35.557	5.00	3.5	0.33	2.3	0.05	0.37	25.609	29.903	34.103	38.212	42.231	100.5
203	17.344	17.310	35.558	4.88	4.6	0.43	4.0	0.03	0.42	25.869	30.181	34.398	38.523	42.558	200.8
303	15.215	15.168	35.413	4.81	4.7	0.62	6.2	0.02	0.44	26.254	30.604	34.859	39.019	43.090	300.4
403	13.710	13.652	35.287	4.96	5.4	0.74	9.6	0.01	0.39	26.483	30.862	35.144	39.332	43.429	399.6
605	11.047	10.971	34.958	5.13	6.9	1.09	15.4		0.41	26.749	31.183	35.520	39.760	43.907	599.0
805	8.368	8.282	34.668	4.73	13.1	1.65	20.7		0.43	26.971	31.466	35.861	40.158	44.360	797.4
1003	5.003	4.920	34.356	5.19	21.3	2.16	30.8		0.37	27.174	31.752	36.228	40.604	44.881	993.2
1242	3.703	3.607	34.419	4.54	40.7	2.51	38.1		0.39	27.364	31.976	36.484	40.891	45.199	1229.0
1492	3.024	2.917	34.533	4.19	53.8	2.58	39.2		0.32	27.520	32.149	36.675	41.099	45.422	1475.2


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
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9.
12.
15.
18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
OXYGEN (ML/L)
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KN 104/5
69

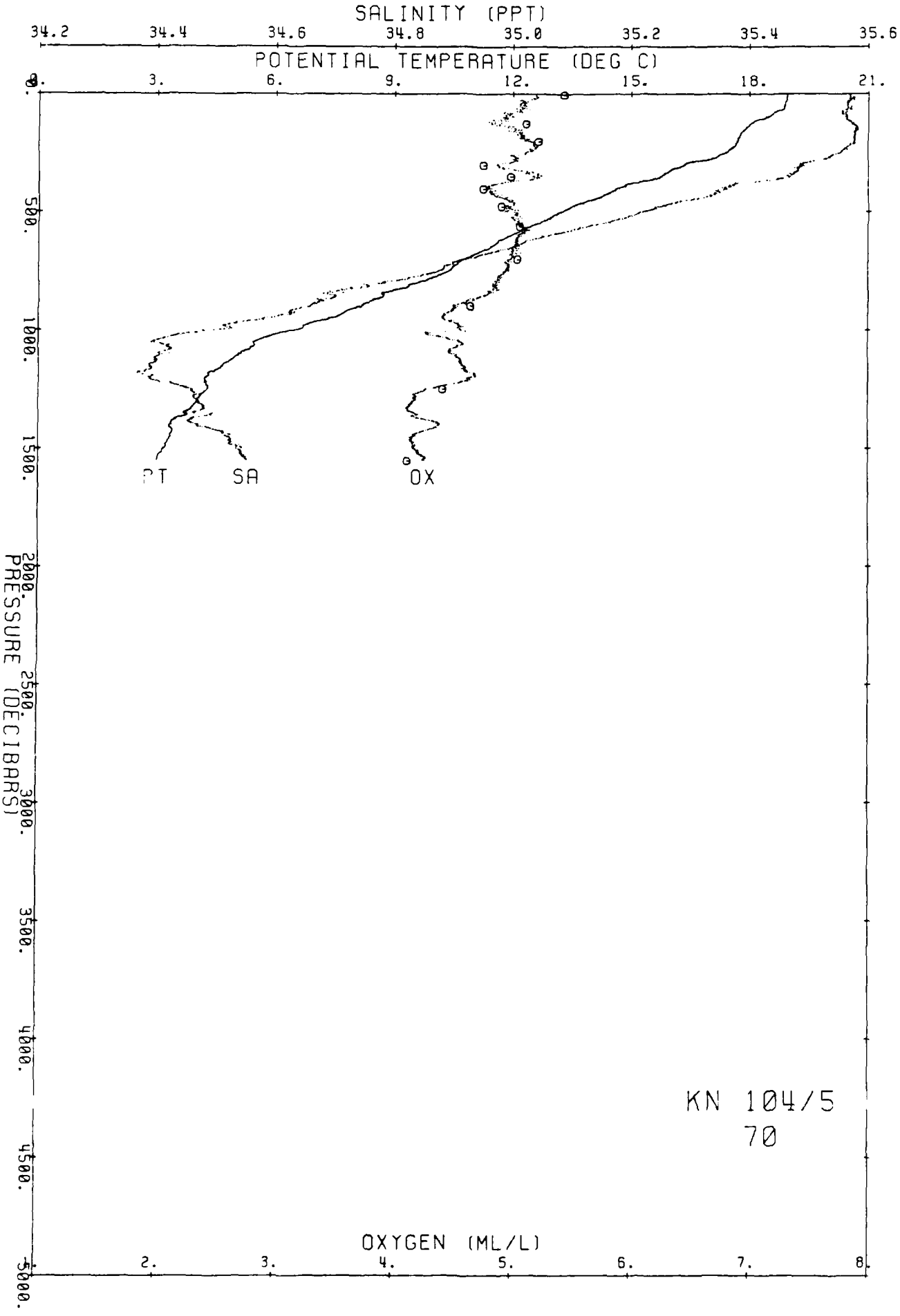

POTENTIAL TEMPERATURE (DEG C)
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3.
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15.
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21.
SALINITY (PPT)
34.1
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34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
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5.1
5.4
5.7
6.0
6.3
KN 104/5
69

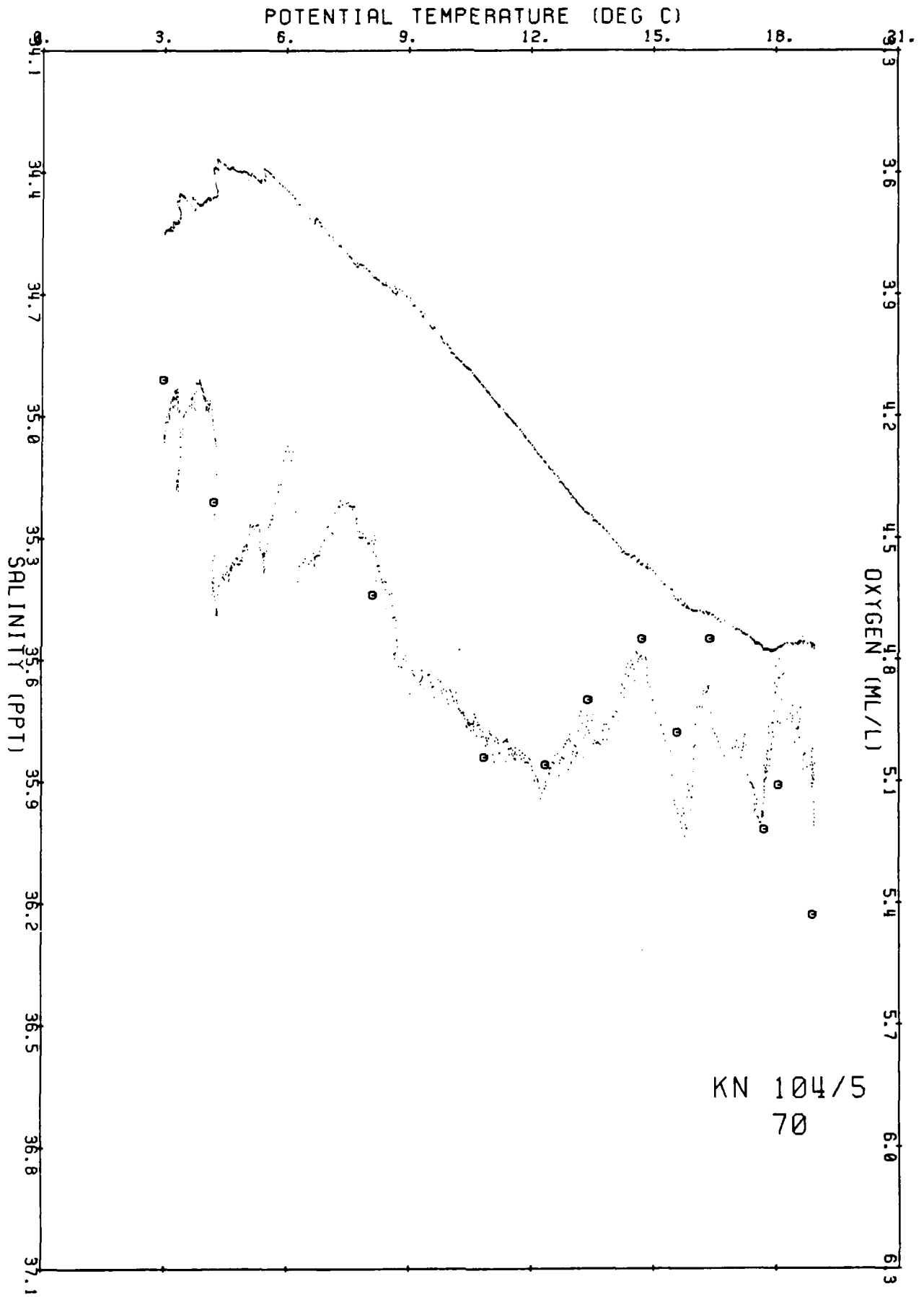

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
PT
SA
OX
KN 104/5
69
OXYGEN (ML/L)
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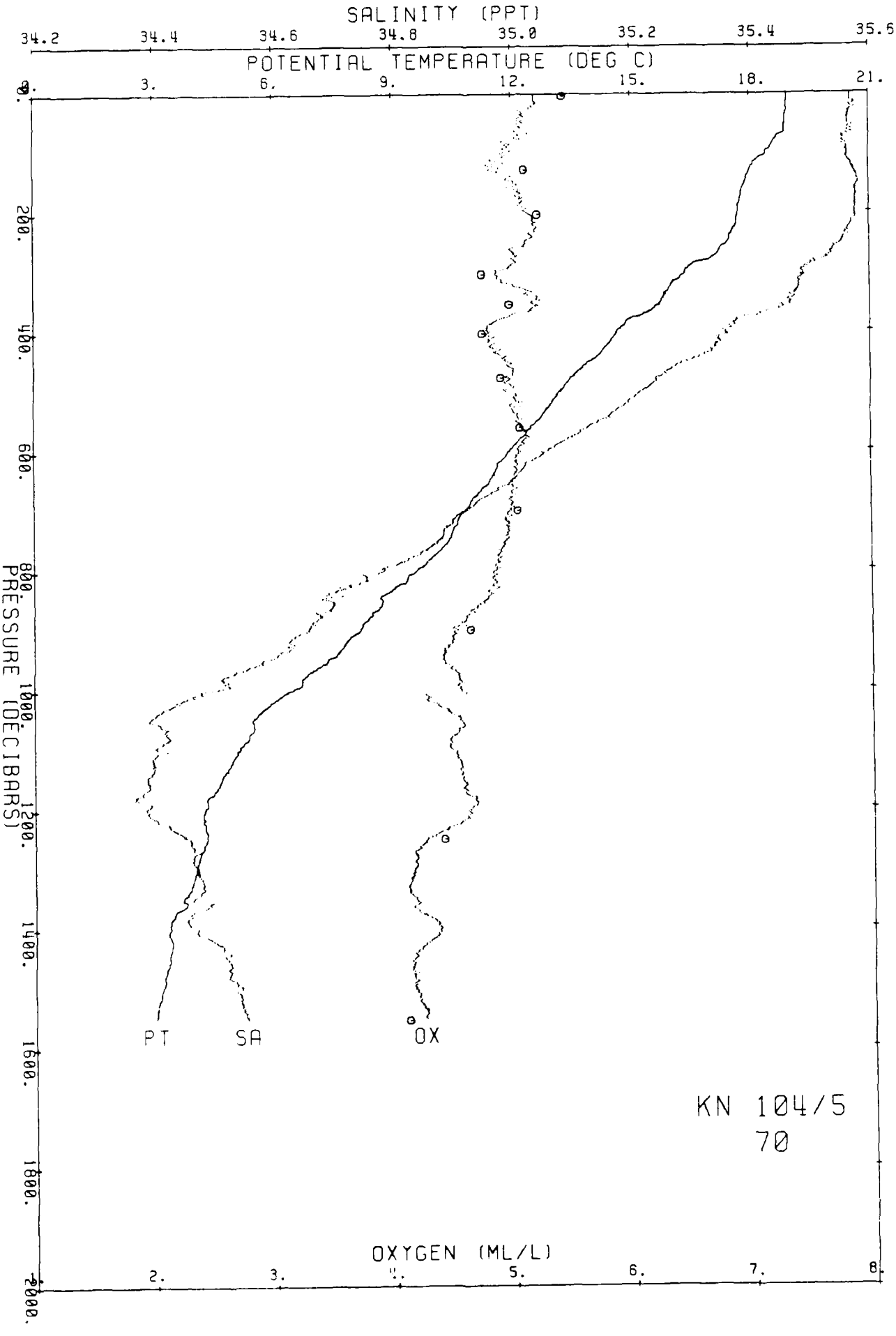
Ship KN Cruise 1045 Station 70 Cast 1 DT
Start 38 23.67 S 17 16.74 E at 1532 83/12/ 7
End 38 24.38 S 17 16.37 E at 1700

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	18.944	18.944	35.569	5.2	98.9	25.472	29.757	33.947	38.047	42.058	249.9	0.00	0.00	0.0
10	18.944	18.943	35.569	5.2	98.9	25.472	29.757	33.948	38.048	42.059	250.3	.03	.38	10.0
20	18.944	18.940	35.568	5.2	98.5	25.472	29.757	33.948	38.048	42.059	250.6	.05	.13	19.9
30	18.936	18.931	35.568	5.1	96.9	25.474	29.760	33.951	38.050	42.062	250.8	.08	.86	29.9
40	18.907	18.900	35.565	5.1	96.6	25.480	29.766	33.957	38.057	42.069	250.7	.10	1.31	39.9
50	18.903	18.894	35.566	5.1	96.9	25.482	29.768	33.960	38.060	42.072	250.8	.13	.86	49.8
60	18.890	18.880	35.569	5.1	97.3	25.488	29.774	33.966	38.067	42.079	250.7	.15	1.37	59.8
70	18.782	18.770	35.564	5.1	96.2	25.512	29.800	33.994	38.096	42.110	248.7	.18	2.76	69.8
80	18.639	18.624	35.557	4.9	93.2	25.544	29.834	34.030	38.134	42.150	246.1	.20	3.16	79.7
90	18.558	18.543	35.562	5.0	94.0	25.568	29.860	34.057	38.163	42.180	244.1	.22	2.78	89.7
100	18.431	18.414	35.564	4.9	92.7	25.602	29.896	34.095	38.203	42.221	241.3	.25	3.27	99.7
120	18.120	18.099	35.571	4.8	90.0	25.686	29.985	34.189	38.301	42.325	234.0	.30	3.64	119.6
140	17.962	17.938	35.581	5.0	93.1	25.733	30.035	34.241	38.356	42.382	230.2	.34	2.74	139.5
160	17.842	17.815	35.576	5.0	93.8	25.760	30.064	34.272	38.389	42.417	228.4	.39	2.06	159.5
180	17.775	17.745	35.578	5.1	95.0	25.779	30.083	34.293	38.411	42.440	227.3	.43	1.72	179.4
200	17.743	17.709	35.577	5.1	95.7	25.787	30.092	34.302	38.421	42.450	227.3	.48	1.13	199.3
220	17.701	17.663	35.570	5.2	96.4	25.793	30.098	34.310	38.429	42.459	227.5	.53	.96	219.2
240	17.528	17.487	35.561	5.2	96.0	25.829	30.138	34.352	38.474	42.506	224.7	.57	2.40	239.1
260	17.290	17.246	35.540	5.0	92.0	25.871	30.184	34.402	38.528	42.565	221.3	.62	2.60	259.0
280	16.993	16.947	35.521	5.0	92.1	25.928	30.246	34.469	38.600	42.641	216.5	.66	3.03	278.9
300	16.417	16.369	35.488	4.9	88.3	26.039	30.367	34.600	38.741	42.791	206.4	.70	4.22	298.8
320	16.089	16.038	35.481	5.0	90.3	26.110	30.444	34.683	38.829	42.885	200.2	.74	3.38	318.7
340	15.891	15.838	35.469	5.2	93.7	26.147	30.484	34.727	38.876	42.935	197.3	.78	2.43	338.6
360	15.652	15.595	35.454	5.2	92.3	26.190	30.532	34.779	38.932	42.995	193.7	.82	2.65	358.5
380	14.996	14.938	35.376	4.9	85.8	26.276	30.631	34.889	39.054	43.129	185.7	.86	3.77	378.4
400	14.704	14.644	35.359	4.8	84.2	26.328	30.688	34.952	39.122	43.201	181.3	.90	2.89	398.3
450	13.991	13.926	35.292	5.0	85.8	26.429	30.803	35.080	39.264	43.355	172.7	.98	2.59	448.0
500	13.261	13.190	35.216	5.0	84.6	26.522	30.911	35.202	39.399	43.504	164.7	1.07	2.50	497.7
550	12.681	12.606	35.143	5.0	84.5	26.583	30.983	35.286	39.494	43.610	159.8	1.15	2.05	547.4
600	12.019	11.940	35.060	5.1	83.6	26.648	31.062	35.378	39.599	43.728	154.3	1.23	2.13	597.1
650	11.506	11.422	34.998	5.0	81.8	26.697	31.122	35.449	39.681	43.819	150.3	1.30	1.87	646.7
700	10.859	10.772	34.917	5.0	80.2	26.753	31.192	35.532	39.777	43.927	145.5	1.38	2.01	696.4
750	10.471	10.380	34.875	4.9	78.9	26.789	31.237	35.586	39.838	43.997	142.6	1.45	1.64	746.0
800	9.660	9.567	34.783	4.9	76.2	26.856	31.322	35.688	39.958	44.133	136.1	1.52	2.25	795.6
900	8.252	8.156	34.658	4.5	68.9	26.982	31.480	35.878	40.178	44.383	123.7	1.65	2.19	894.8
1000	6.535	6.441	34.484	4.6	66.5	27.088	31.628	36.066	40.405	44.647	111.7	1.77	2.13	993.9
1100	5.206	5.112	34.409	4.5	63.4	27.194	31.767	36.238	40.608	44.880	99.9	1.87	2.09	1092.9
1200	4.334	4.239	34.386	4.6	64.0	27.273	31.868	36.361	40.753	45.045	91.2	1.97	1.81	1191.9
1300	4.119	4.017	34.471	4.2	57.3	27.364	31.964	36.462	40.859	45.156	83.1	2.06	1.74	1290.9
1400	3.473	3.368	34.470	4.4	59.3	27.428	32.045	36.560	40.972	45.285	75.8	2.14	1.64	1389.8
1500	3.273	3.162	34.542	4.2	56.2	27.505	32.127	36.646	41.064	45.381	68.8	2.21	1.62	1488.6
1551	3.116	3.002	34.552	4.3	57.1	27.527	32.154	36.677	41.099	45.420	66.5	2.24	1.33	1539.0

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	18.890	18.889	35.577	5.43	3.7	0.23	0.9	0.05	0.46	25.492	29.778	33.969	38.070	42.082	3.7
127	18.072	18.050	35.574	5.11	4.1	0.23	2.0	0.02	0.40	25.700	30.000	34.205	38.318	42.342	126.3
203	17.740	17.705	35.579	5.22	3.7	0.29	1.9	0.01	0.40	25.789	30.094	34.305	38.423	42.453	201.0
303	16.422	16.373	35.494	4.75	5.0	0.50	4.8	0.01	0.38	26.042	30.371	34.604	38.744	42.794	300.3
353	15.644	15.588	35.453	4.98	5.2	0.52	5.0		0.34	26.191	30.533	34.780	38.933	42.996	350.1
402	14.778	14.717	35.371	4.75	6.4	0.66	4.3		0.37	26.321	30.680	34.942	39.111	43.189	398.9
477	13.477	13.409	35.248	4.90	4.3	0.77	5.8		0.31	26.503	30.887	35.174	39.366	43.467	472.4
560	12.430	12.354	35.123	5.06	7.2	0.87	8.3		0.38	26.617	31.022	35.330	39.543	43.663	555.2
699	10.934	10.846	34.936	5.04	8.7	1.10	13.3		0.33	26.754	31.191	35.530	39.773	43.923	692.2
899	8.218	8.122	34.656	4.64	13.9	1.68	16.0		0.32	26.986	31.485	35.883	40.184	44.389	889.7
1250	4.336	4.236	34.452	4.41	33.9	2.40	41.1		0.32	27.326	31.921	36.413	40.804	45.096	1236.9
1554	3.096	2.982	34.554	4.11	21.6	2.55	11.1		0.32	27.531	32.158	36.682	41.104	45.425	1536.0


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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5000.
PRESSURE (DECIBARS)
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KN 104/5
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OXYGEN (ML/L)
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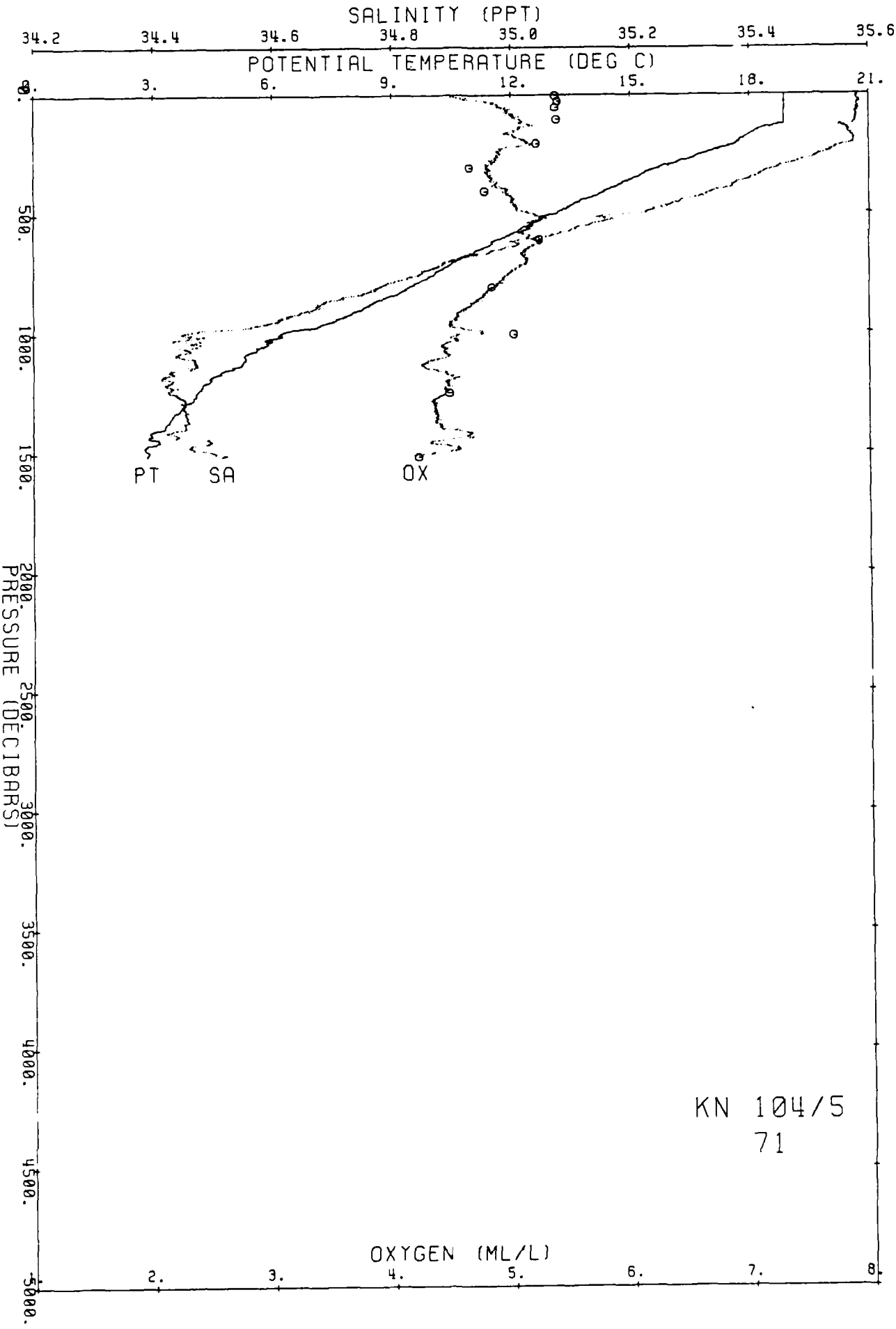

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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34.7
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35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
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70

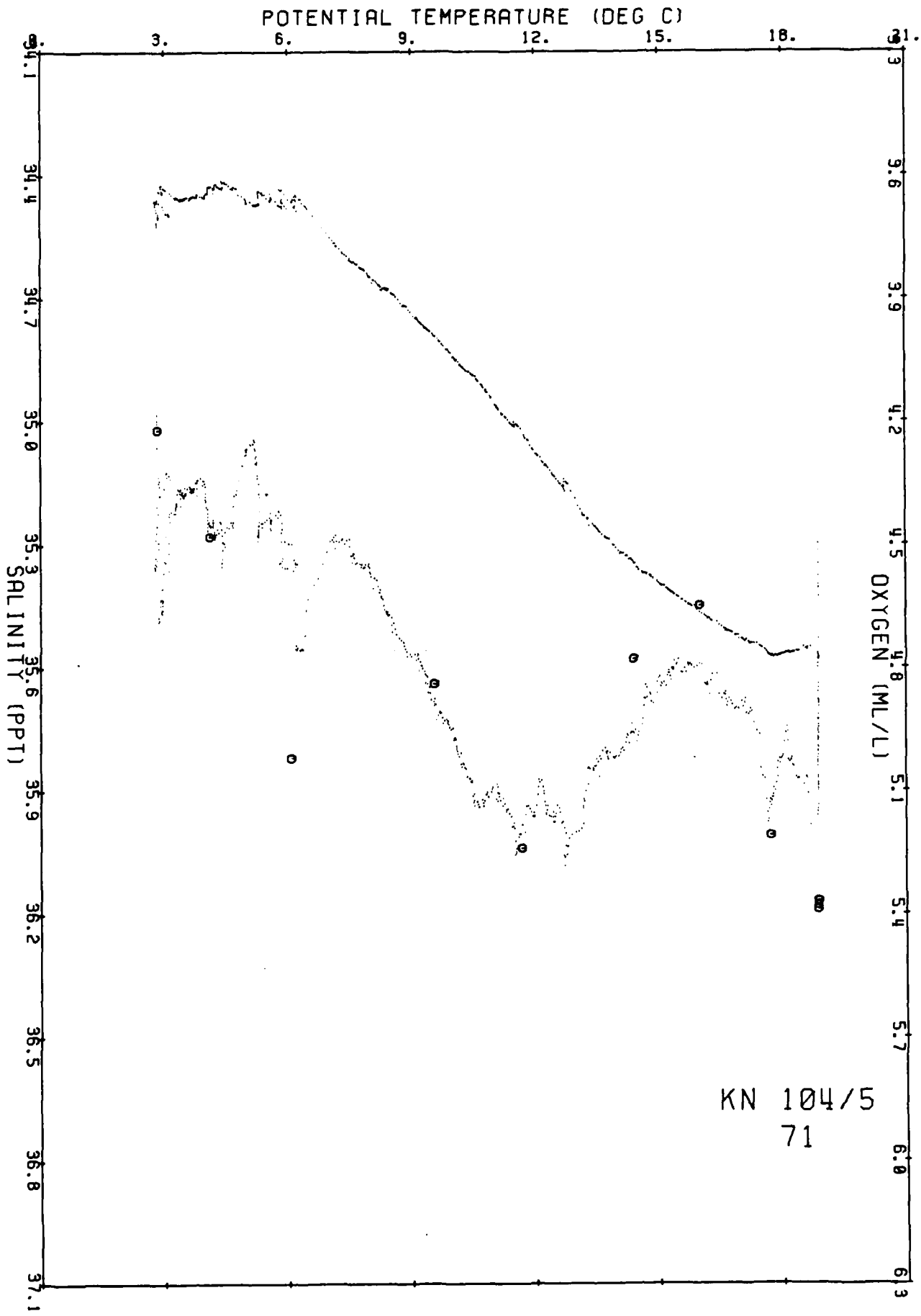

SALINITY (PPT)
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34.8
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35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
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600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
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SA
OX
KN 104/5
70
OXYGEN (ML/L)
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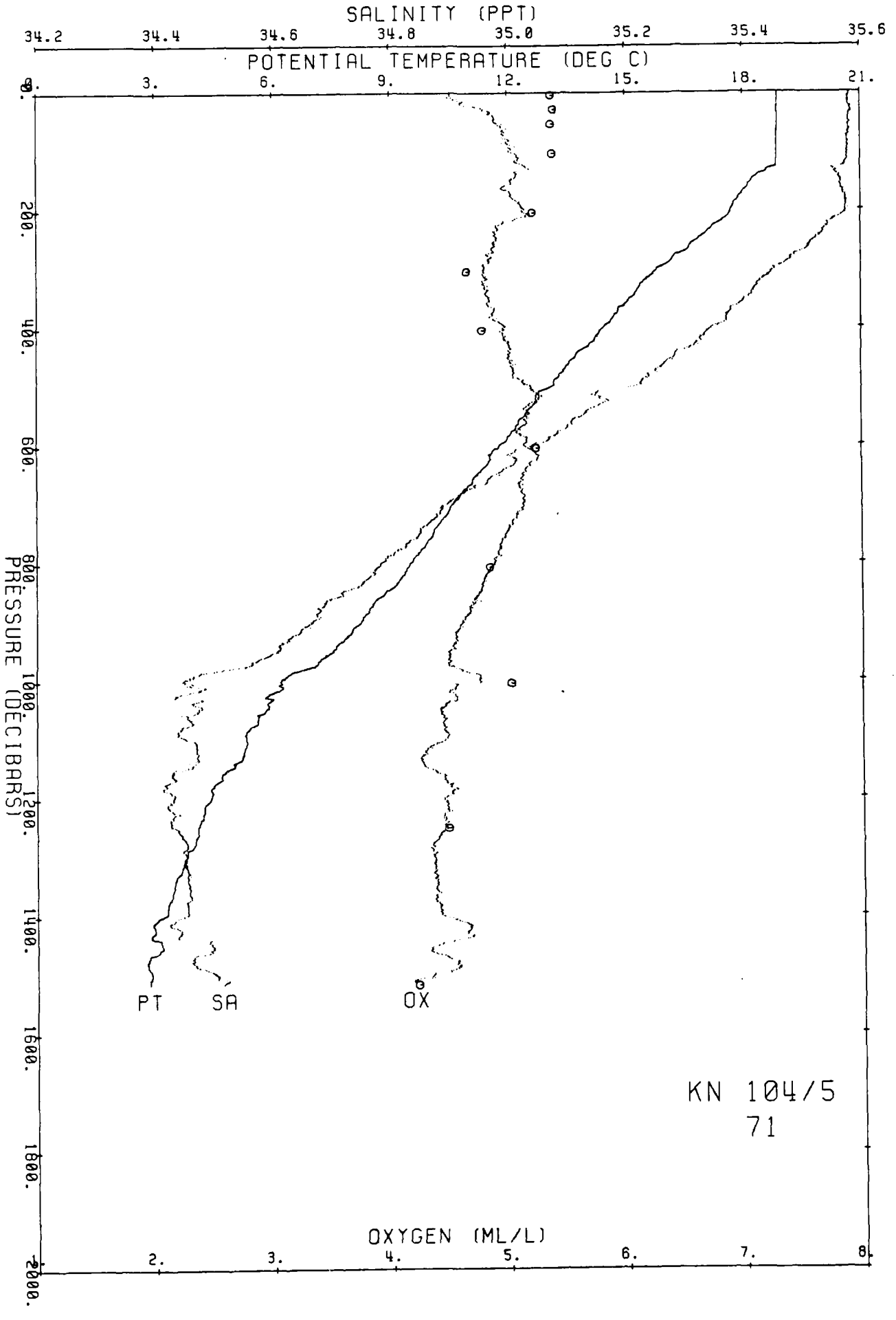
Ship KN Cruise 1045 Station 71 Cast 1 DT
Start 38 16.98 S 16 39.93 E at 2020 83/12/ 7
End 38 17.54 S 16 37.72 E at 2150

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	18.881	18.881	35.581	4.5	85.9	25.497	29.783	33.975	38.075	42.087	247.5	0.00	0.00	0.0
10	18.879	18.877	35.579	4.6	87.1	25.496	29.782	33.974	38.075	42.087	247.9	.02	.42	10.0
20	18.882	18.878	35.580	4.6	87.6	25.497	29.783	33.975	38.075	42.087	248.3	.05	.38	19.9
30	18.878	18.873	35.583	4.8	91.2	25.501	29.787	33.979	38.079	42.091	248.3	.07	1.09	29.9
40	18.886	18.879	35.581	4.9	93.0	25.497	29.783	33.975	38.076	42.088	249.0	.10	1.01	39.9
50	18.887	18.878	35.580	4.9	93.1	25.497	29.783	33.975	38.075	42.087	249.4	.12	.37	49.8
60	18.887	18.877	35.580	5.0	94.7	25.497	29.783	33.975	38.076	42.088	249.8	.15	.32	59.8
70	18.885	18.873	35.579	5.0	94.4	25.498	29.784	33.976	38.076	42.088	250.1	.17	.32	69.8
80	18.882	18.868	35.578	5.0	95.2	25.498	29.784	33.976	38.077	42.089	250.5	.20	.38	79.7
90	18.885	18.869	35.578	5.0	95.7	25.498	29.784	33.976	38.076	42.089	250.9	.22	.37	89.7
100	18.885	18.868	35.578	5.0	95.4	25.498	29.784	33.976	38.077	42.089	251.2	.25	.38	99.7
120	18.886	18.865	35.576	5.1	96.9	25.497	29.784	33.976	38.076	42.089	252.1	.30	.34	119.6
140	18.424	18.400	35.561	5.1	95.7	25.603	29.897	34.097	38.204	42.224	242.7	.35	4.10	139.5
160	18.164	18.136	35.567	5.0	93.1	25.674	29.972	34.175	38.287	42.310	236.7	.40	3.34	159.5
180	17.920	17.890	35.575	5.0	94.3	25.741	30.043	34.251	38.366	42.393	231.0	.44	3.26	179.4
200	17.729	17.695	35.573	5.1	95.4	25.787	30.092	34.303	38.422	42.451	227.3	.49	2.71	199.3
220	17.495	17.458	35.550	5.0	92.0	25.827	30.137	34.351	38.474	42.507	224.1	.53	2.54	219.2
240	17.090	17.050	35.534	4.9	90.0	25.913	30.230	34.451	38.580	42.620	216.5	.58	3.71	239.1
260	16.690	16.648	35.511	4.9	89.3	25.991	30.315	34.543	38.678	42.724	209.7	.62	3.53	259.0
280	16.279	16.234	35.482	4.9	88.1	26.065	30.396	34.632	38.774	42.827	203.1	.66	3.46	278.9
300	15.850	15.803	35.453	4.8	86.1	26.142	30.481	34.724	38.874	42.933	196.3	.70	3.52	298.8
320	15.541	15.491	35.430	4.8	85.2	26.195	30.539	34.788	38.943	43.008	191.8	.74	2.92	318.7
340	15.324	15.271	35.415	4.8	85.4	26.233	30.581	34.833	38.993	43.061	188.8	.78	2.47	338.6
360	15.061	15.006	35.395	4.8	85.2	26.276	30.629	34.886	39.050	43.123	185.2	.82	2.66	358.5
380	14.770	14.713	35.373	4.8	85.1	26.323	30.682	34.945	39.114	43.192	181.1	.85	2.78	378.4
400	14.485	14.426	35.347	5.0	86.4	26.365	30.730	34.997	39.172	43.254	177.6	.89	2.63	398.3
450	13.787	13.722	35.283	5.0	86.1	26.465	30.843	35.124	39.311	43.406	169.2	.98	2.57	448.0
500	13.180	13.110	35.215	5.2	88.1	26.538	30.928	35.221	39.419	43.526	163.2	1.06	2.22	497.7
550	12.503	12.428	35.126	5.2	86.1	26.605	31.009	35.315	39.527	43.645	157.6	1.14	2.15	547.4
600	11.866	11.787	35.041	5.1	84.7	26.662	31.080	35.399	39.623	43.754	152.8	1.22	2.02	597.1
650	11.301	11.218	34.984	5.1	83.6	26.724	31.153	35.484	39.720	43.862	147.5	1.29	2.08	646.7
700	10.667	10.581	34.890	5.1	82.3	26.765	31.209	35.553	39.802	43.956	144.0	1.37	1.79	696.4
750	10.170	10.080	34.849	5.0	79.0	26.821	31.275	35.630	39.889	44.053	139.2	1.44	1.99	746.0
800	9.584	9.491	34.782	4.9	76.4	26.868	31.335	35.703	39.974	44.151	134.9	1.50	1.89	795.6
900	8.324	8.228	34.667	4.8	70.3	26.978	31.475	35.871	40.169	44.372	124.2	1.63	2.05	894.8
1000	6.280	6.187	34.451	4.8	68.9	27.095	31.641	36.086	40.431	44.679	110.5	1.75	2.26	993.9
1100	5.420	5.324	34.466	4.5	63.3	27.214	31.781	36.246	40.612	44.879	98.6	1.86	2.10	1092.9
1200	4.504	4.407	34.430	4.4	61.8	27.290	31.881	36.369	40.756	45.044	90.1	1.95	1.79	1191.9
1300	3.847	3.747	34.451	4.4	59.6	27.375	31.983	36.488	40.891	45.195	81.1	2.04	1.82	1290.9
1400	3.262	3.160	34.441	4.4	59.8	27.424	32.048	36.568	40.986	45.304	75.4	2.11	1.48	1389.8
1500	3.000	2.893	34.504	4.3	58.2	27.499	32.129	36.656	41.080	45.404	68.3	2.19	1.62	1488.6
1514	2.951	2.843	34.514	4.2	56.1	27.512	32.143	36.671	41.096	45.422	67.0	2.20	1.79	1502.4

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	18.864	18.863	35.579	5.37	4.8	0.19	0.8	0.03	0.41	25.500	29.786	33.978	38.079	42.091	4.1
29	18.865	18.860	35.579	5.39	5.7	0.20	0.7	0.02	0.44	25.501	29.787	33.979	38.080	42.092	28.5
54	18.868	18.858	35.575	5.37	5.5	0.21	0.9	0.06	0.48	25.498	29.784	33.977	38.077	42.090	53.2
104	18.869	18.851	35.576	5.38	4.6	0.19	0.8	0.05	0.49	25.501	29.787	33.980	38.081	42.093	103.0
204	17.742	17.707	35.576	5.21	5.5	0.34	2.2	0.01	0.28	25.787	30.092	34.302	38.421	42.450	202.5
305	16.035	15.986	35.464	4.65	6.1	0.59	3.7		0.26	26.109	30.444	34.684	38.831	42.887	302.0
404	14.442	14.382	35.347	4.78	6.7	0.71	7.6		0.23	26.375	30.740	35.009	39.183	43.267	400.8
605	11.751	11.672	35.021	5.24	6.9	0.98	11.9		0.25	26.668	31.088	35.410	39.636	43.770	599.2
806	9.650	9.556	34.793	4.84	10.3	1.40	13.9		0.28	26.866	31.332	35.698	39.968	44.143	798.6
1005	6.185	6.092	34.433	5.02	17.5	2.00	24.9		0.29	27.093	31.642	36.089	40.436	44.686	994.3
1250	4.218	4.119	34.433	4.48	34.5	2.43	26.9		0.30	27.323	31.921	36.416	40.811	45.106	1237.0
1517	2.958	2.849	34.502	4.22	41.9	2.62	25.3		0.30	27.501	32.133	36.660	41.086	45.411	1500.1


SALINITY (PPT)
34.2
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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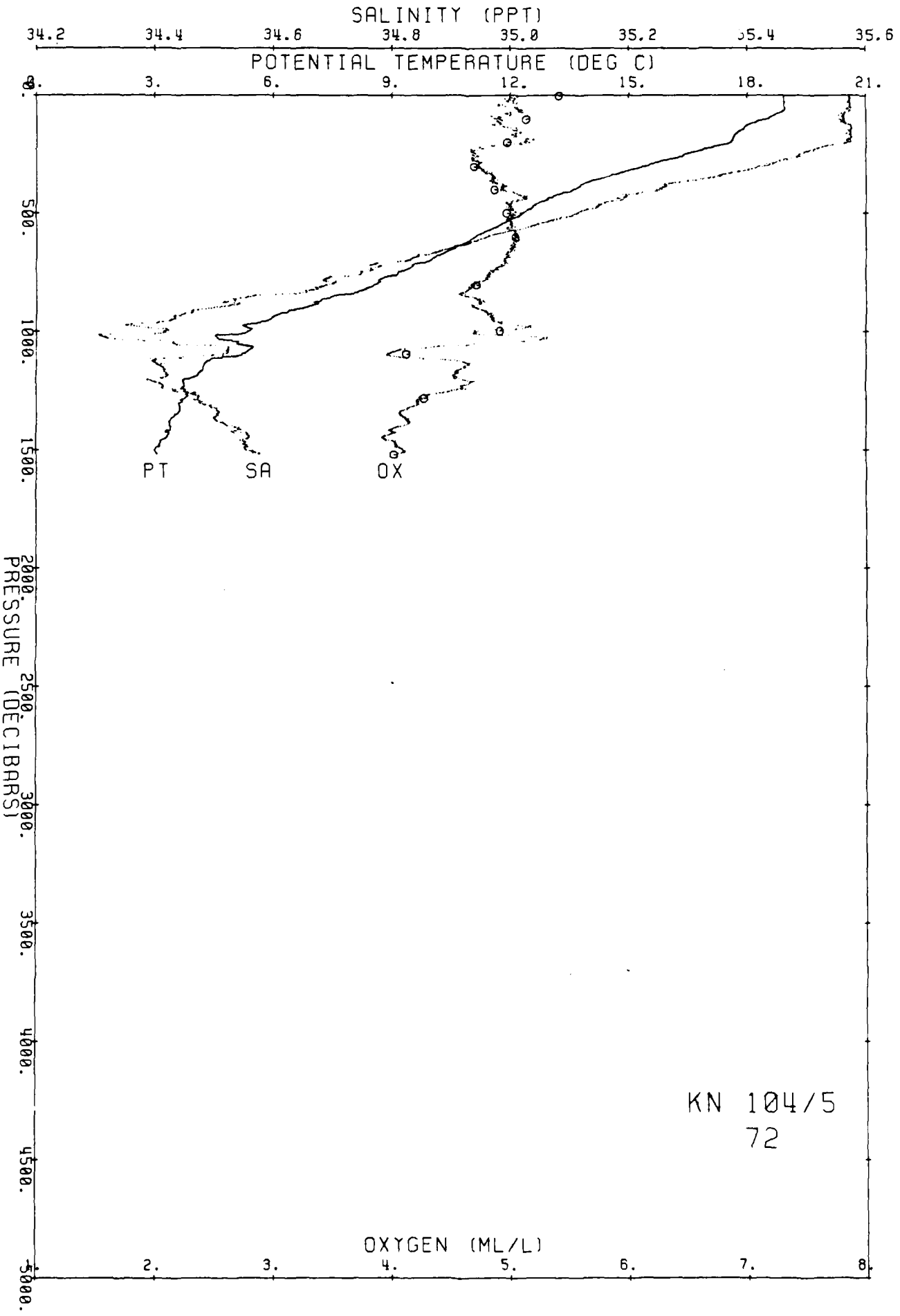

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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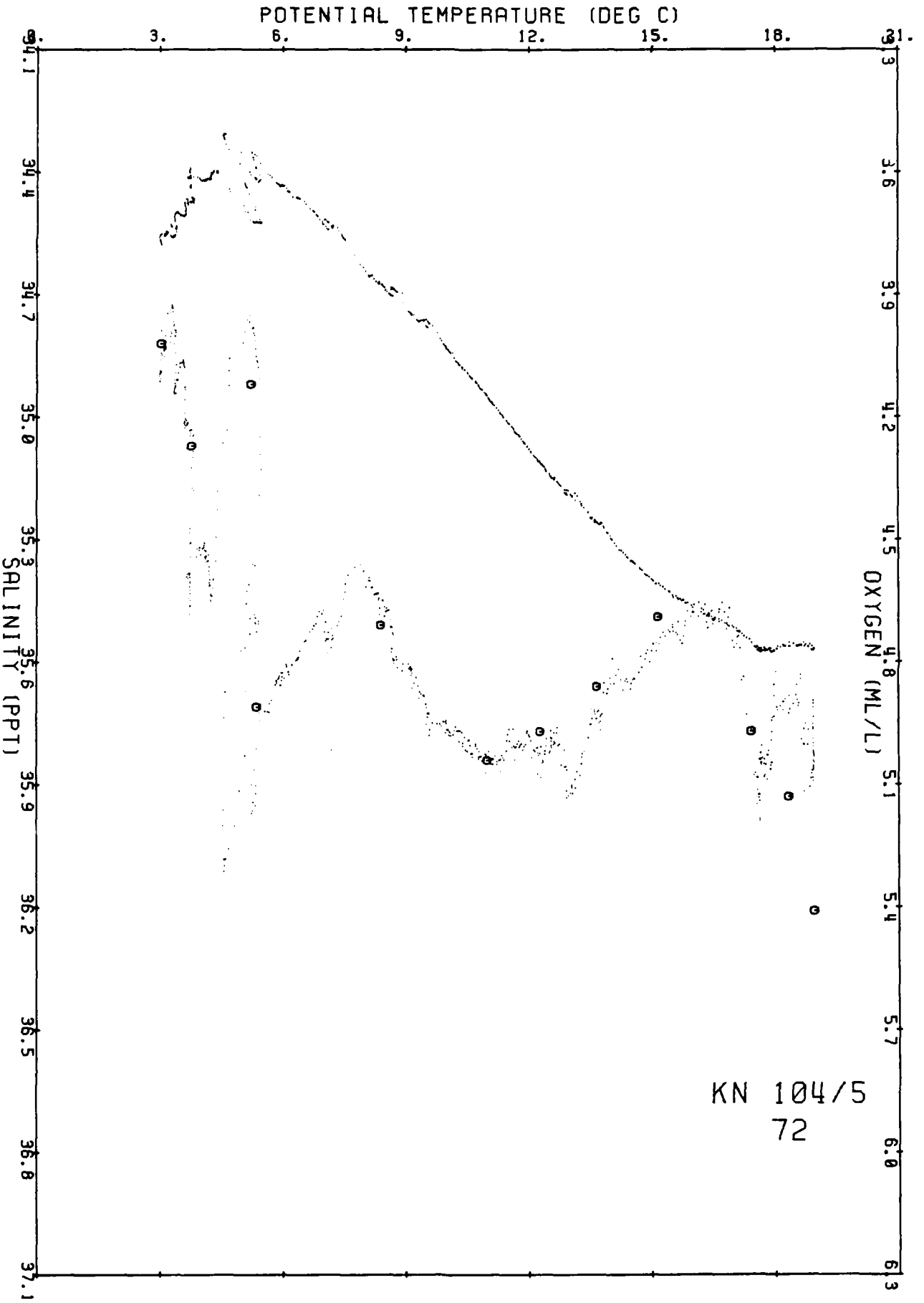

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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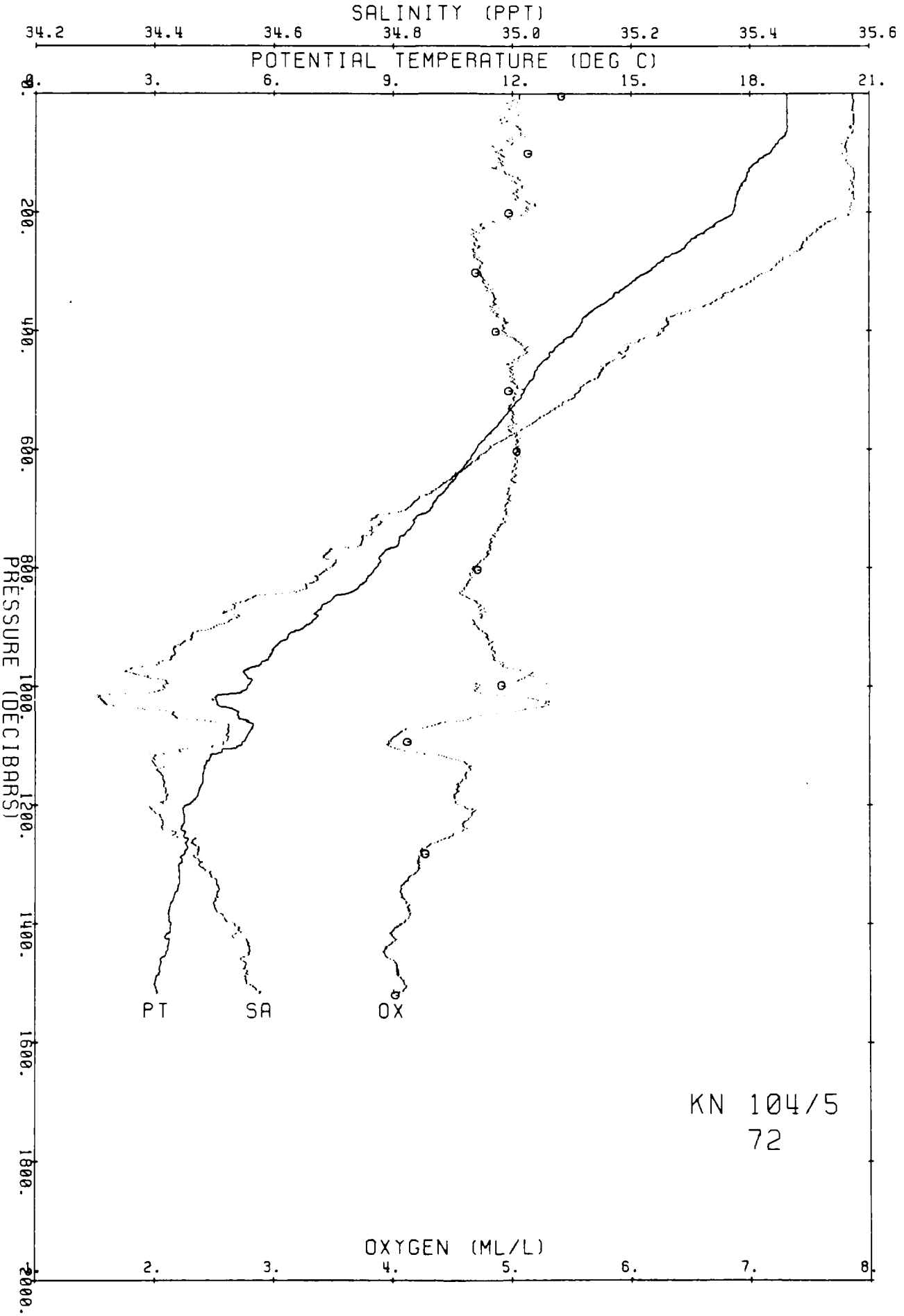
Ship KN Cruise 1045 Station 72 Cast 1 DT
Start 38 10.75 S 18 2.37 E at 54 83/12/ 8
End 38 12.21 S 18 .11 E at 210

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	18.932	18.932	35.572	5.1	96.4	25.477	29.762	33.953	38.053	42.064	249.4	0.00	0.00	0.0
10	18.930	18.928	35.573	5.0	95.6	25.479	29.764	33.955	38.055	42.066	249.6	.02	76	10.0
20	18.938	18.935	35.573	5.0	95.0	25.477	29.762	33.953	38.053	42.064	250.2	.05	73	19.9
30	18.944	18.939	35.573	5.1	96.4	25.476	29.761	33.952	38.052	42.063	250.6	.07	58	29.9
40	18.944	18.937	35.573	4.9	94.0	25.476	29.762	33.953	38.052	42.063	251.0	.10	38	39.9
50	18.944	18.936	35.574	4.9	93.6	25.478	29.763	33.954	38.053	42.065	251.3	.13	62	49.8
60	18.944	18.933	35.573	5.1	96.4	25.478	29.763	33.954	38.054	42.065	251.7	.15	13	59.8
70	18.906	18.894	35.564	5.1	96.6	25.481	29.767	33.958	38.059	42.071	251.7	.18	1.00	69.8
80	18.734	18.720	35.563	5.0	94.2	25.524	29.813	34.007	38.110	42.125	248.0	.20	3.70	79.7
90	18.646	18.630	35.560	4.8	91.8	25.545	29.835	34.031	38.135	42.151	246.4	.23	2.54	89.7
100	18.529	18.511	35.561	4.9	92.3	25.575	29.867	34.065	38.171	42.189	243.8	.25	3.11	99.7
120	18.093	18.072	35.564	4.9	92.2	25.687	29.987	34.191	38.304	42.328	233.9	.30	4.21	119.6
140	17.949	17.925	35.576	5.0	94.4	25.733	30.034	34.241	38.356	42.382	230.3	.34	2.68	139.5
160	17.782	17.755	35.568	5.0	93.9	25.769	30.073	34.283	38.401	42.429	227.6	.39	2.38	159.5
180	17.668	17.638	35.576	5.0	93.7	25.803	30.110	34.321	38.441	42.471	225.0	.43	2.35	179.4
200	17.603	17.569	35.571	5.1	95.6	25.816	30.124	34.337	38.457	42.489	224.5	.48	1.44	199.3
220	17.153	17.117	35.527	4.7	87.2	25.892	30.207	34.428	38.556	42.594	217.9	.52	3.48	219.2
240	16.695	16.656	35.501	4.7	85.2	25.981	30.305	34.533	38.669	42.714	209.9	.57	3.78	239.1
260	16.389	16.347	35.489	4.7	85.3	26.044	30.373	34.607	38.747	42.798	204.5	.61	3.18	259.0
280	15.862	15.818	35.455	4.7	84.5	26.140	30.479	34.721	38.871	42.930	195.8	.65	3.93	278.9
300	15.491	15.444	35.429	4.7	84.2	26.205	30.550	34.799	38.955	43.021	190.2	.69	3.23	298.8
320	15.053	15.005	35.397	4.8	84.2	26.278	30.631	34.888	39.052	43.125	183.7	.72	3.44	318.7
340	14.606	14.556	35.355	4.8	84.7	26.344	30.705	34.971	39.143	43.223	177.9	.76	3.27	338.6
360	14.201	14.148	35.315	4.8	83.8	26.400	30.770	35.043	39.222	43.310	172.9	.80	3.04	358.5
380	13.826	13.771	35.260	4.9	84.9	26.437	30.814	35.094	39.280	43.375	169.7	.83	2.49	378.4
400	13.670	13.613	35.256	4.9	84.4	26.467	30.847	35.130	39.319	43.416	167.4	.86	2.20	398.3
450	12.855	12.793	35.169	5.1	85.1	26.566	30.963	35.262	39.466	43.578	158.8	.95	2.58	448.0
500	12.383	12.316	35.115	5.0	83.5	26.618	31.024	35.333	39.547	43.668	154.8	1.02	1.88	497.7
550	11.805	11.733	35.042	5.0	82.3	26.673	31.092	35.412	39.637	43.769	150.4	1.10	1.96	547.4
600	11.164	11.089	34.961	5.0	82.0	26.730	31.162	35.496	39.734	43.878	145.6	1.17	2.01	597.0
650	10.648	10.568	34.898	5.0	80.1	26.774	31.218	35.562	39.811	43.966	141.9	1.25	1.79	646.7
700	10.036	9.953	34.823	4.9	78.3	26.822	31.279	35.638	39.899	44.066	137.7	1.32	1.89	696.3
750	9.247	9.162	34.750	4.8	75.0	26.897	31.372	35.747	40.025	44.208	130.6	1.38	2.34	745.9
800	8.657	8.570	34.694	4.7	71.7	26.947	31.435	35.824	40.115	44.310	125.9	1.45	1.95	795.5
900	6.845	6.759	34.499	4.7	69.2	27.057	31.589	36.020	40.352	44.587	113.8	1.57	2.15	894.7
1000	5.443	5.357	34.417	4.7	66.6	27.171	31.738	36.203	40.568	44.834	101.4	1.67	2.14	993.8
1100	5.246	5.152	34.499	4.0	56.0	27.261	31.832	36.301	40.670	44.941	93.8	1.77	1.71	1092.8
1200	3.907	3.816	34.412	4.6	62.5	27.337	31.944	36.447	40.849	45.151	83.9	1.86	1.91	1191.8
1300	3.717	3.619	34.475	4.2	57.4	27.407	32.018	36.526	40.932	45.239	77.7	1.94	1.54	1290.8
1400	3.518	3.413	34.535	4.1	55.2	27.475	32.091	36.604	41.015	45.326	71.6	2.02	1.52	1389.7
1500	3.118	3.009	34.555	4.1	55.0	27.529	32.156	36.679	41.100	45.421	65.9	2.08	1.47	1488.5
1518	3.163	3.052	34.576	4.0	53.7	27.542	32.167	36.689	41.109	45.429	65.1	2.10	1.37	1506.3

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	18.944	18.943	35.577	5.41	4.3	0.18	1.2	0.02	0.32	25.478	29.763	33.954	38.053	42.064	4.1
101	18.344	18.326	35.569	5.13	4.3	0.28	1.9	0.04	0.31	25.628	29.923	34.123	38.232	42.253	100.2
201	17.457	17.423	35.556	4.97	5.5	0.38	3.3	0.02	0.36	25.840	30.150	34.366	38.489	42.522	199.6
302	15.191	15.145	35.413	4.69	6.2	0.62	7.6	0.01	0.30	26.259	30.610	34.865	39.026	43.096	299.2
401	13.719	13.661	35.276	4.86	7.4	0.73	9.2	0.01	0.26	26.472	30.851	35.133	39.321	43.418	397.8
501	12.348	12.281	35.114	4.97	5.6	0.90	6.3		0.24	26.624	31.031	35.341	39.555	43.676	496.9
603	11.061	10.985	34.948	5.04	6.8	1.08	13.8		0.31	26.738	31.173	35.509	39.749	43.895	597.4
803	8.473	8.386	34.673	4.71	12.7	1.58	16.3		0.21	26.959	31.452	35.844	40.139	44.339	795.3
998	5.445	5.359	34.410	4.91	20.9	2.07	24.9		0.20	27.166	31.732	36.197	40.562	44.828	988.3
1094	5.319	5.225	34.515	4.12	34.1	2.31	27.4		0.24	27.265	31.834	36.301	40.668	44.937	1082.2
1282	3.874	3.776	34.468	4.27	36.0	2.50	26.0		0.22	27.386	31.993	36.497	40.899	45.202	1268.1
1520	3.151	3.040	34.569	4.02	42.4	2.54	24.3		0.26	27.538	32.163	36.685	41.106	45.426	1502.8


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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KN 104/5
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OXYGEN (ML/L)
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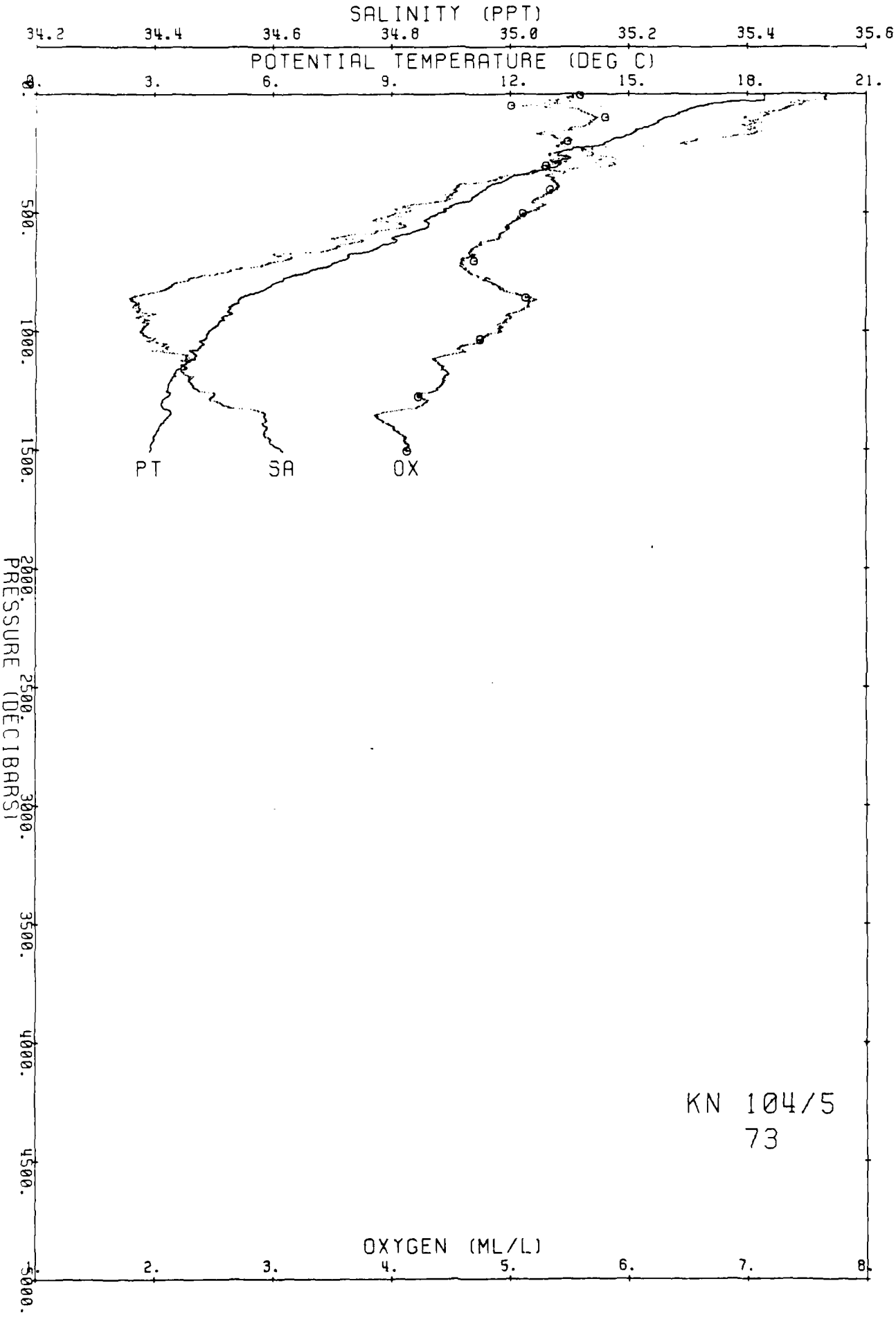

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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35.6
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37.1
OXYGEN (ML/L)
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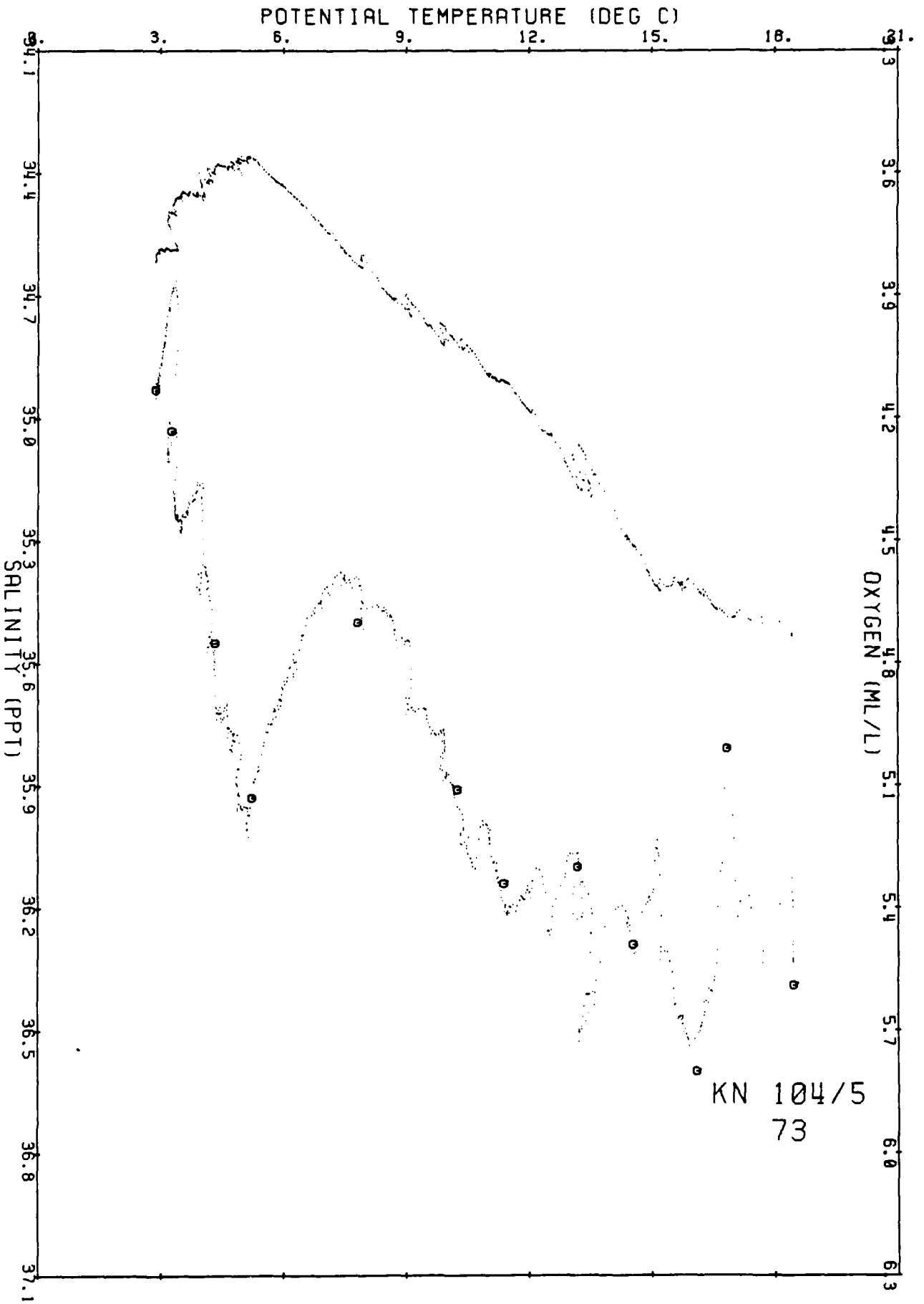

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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KN 104/5
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OXYGEN (ML/L)
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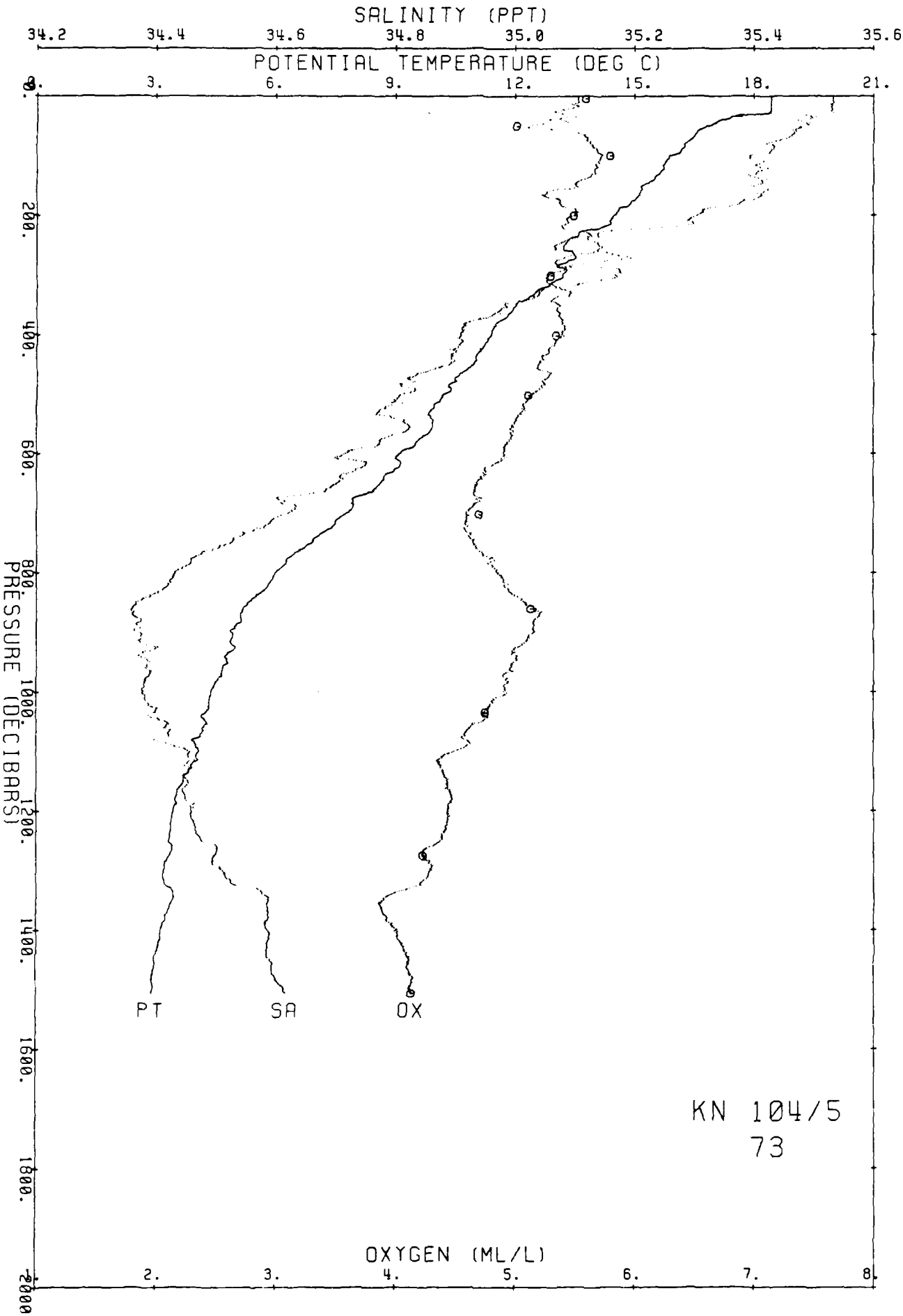
Ship KN Cruise 1045 Station 73 Cast 1 DT
Start 38 4.57 S 15 24.87 E at 510 83/12/ 8
End 38 4.07 S 15 21.33 E at 632

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	18 437	18 437	35 532	5 5	104 3	25 572	29 865	34 064	38 172	42 191	240 4	0.00	0 00	0 0
10	18 437	18 435	35 533	5 5	104 4	25 573	29 867	34 066	38 173	42 192	240 6	.02	61	10 0
20	18 437	18 434	35 531	5 5	103 4	25 572	29 865	34 065	38 172	42 191	241 1	05	62	19 9
30	18 114	18 109	35 500	5 4	101 1	25 629	29 928	34 133	38 245	42 269	236 0	.07	4 25	29 9
40	17 150	17 143	35 473	5 4	99 1	25 844	30 159	34 380	38 508	42 546	215 9	.09	8 22	39 9
50	16 864	16 856	35 488	5 1	93 9	25 924	30 244	34 469	38 602	42 645	208 7	12	5 02	49 8
60	16 588	16 578	35 467	5 5	100 2	25 974	30 299	34 528	38 665	42.713	204 3	.14	3 94	59 8
70	16 486	16 475	35 456	5 6	101 8	25 989	30 316	34 548	38 687	42.736	203 1	.16	2 24	69 8
80	16 280	16 268	35 422	5 6	101 8	26 011	30 342	34 577	38 720	42.772	201 4	.18	2 65	79 7
90	16 208	16 193	35 431	5 7	102 7	26 036	30 368	34 604	38 748	42 801	199.4	.20	2 76	89 7
100	15 909	15 894	35 395	5 7	103 0	26 077	30 414	34 656	38 805	42 863	195 8	.22	3 61	99 6
120	15 769	15 751	35 423	5 7	101 7	26 131	30 471	34 715	38 866	42.926	191 3	.26	2 92	119 6
140	15 505	15.483	35 412	5.6	99 0	26 183	30 528	34.776	38 932	42 997	187.0	.29	2.87	139 5
160	15 194	15 170	35 418	5.3	93 3	26 258	30 608	34 862	39 023	43 093	180.5	.33	3.44	159 4
180	14 941	14 914	35.377	5 4	94.6	26 283	30.638	34 897	39.062	43.137	178 7	.37	2 01	179.3
200	14 509	14 480	35 304	5 5	96 0	26 321	30.684	34.951	39.125	43.207	175.6	.40	2 49	199 2
220	14 192	14 160	35 247	5.4	93.5	26 345	30 715	34 988	39 167	43 255	173 8	.44	2.01	219 1
240	13 409	13 375	35.091	5 6	95.6	26 388	30 774	35.063	39 257	43.359	169 9	.47	2.70	239.0
260	13 414	13.377	35 139	5.7	96 8	26 425	30.810	35.099	39.292	43.395	167.1	.50	2.39	258 9
280	13 291	13.252	35.134	5.3	90 8	26.446	30.834	35.125	39 321	43.426	165 5	.54	1.87	278 8
300	13 244	13 203	35 168	5.3	89.8	26.483	30.871	35.163	39.360	43.465	162.6	.57	2.40	298 7
320	12 818	12.774	35.075	5.3	89 9	26.497	30.894	35.195	39.400	43.513	161.6	.60	1 62	318.6
340	12 366	12.321	35.029	5.3	88.7	26 550	30.957	35.266	39.480	43.602	156 8	.63	2.97	338 5
360	11 994	11.947	34 976	5.4	88 5	26 581	30.996	35.313	39.534	43.663	154.2	.67	2.29	358.4
380	11 601	11.552	34.919	5.4	88.4	26.611	31.034	35.359	39.589	43.725	151.6	.70	2.29	378 3
400	11 449	11.398	34.909	5.4	88.0	26.632	31.059	35.387	39.619	43.758	150.0	.73	1.86	398.1
450	11 032	10 976	34 891	5.2	84 1	26.695	31.131	35.467	39.708	43.855	144.9	.80	2.05	447.8
500	10 315	10.256	34.815	5.2	82.0	26 764	31.215	35.567	39.822	43.983	138.9	.87	2.18	497.5
550	9 998	9 934	34 817	5.0	79.0	26.821	31.278	35.637	39.899	44.066	134.4	.94	1.95	547.2
600	9 197	9.130	34.717	4.9	76.2	26.876	31.352	35.728	40.007	44.191	129 3	1.01	2.03	596.8
650	8 686	8.616	34.701	4.7	71 8	26 945	31 433	35 820	40.110	44 305	123.1	1.07	2 18	646.5
700	7 872	7.801	34.621	4.6	69.1	27 006	31 513	35 919	40 227	44.439	117.1	1 13	2.15	696 1
750	6 981	6.909	34.525	4.7	68.6	27.057	31.586	36.013	40.341	44.572	111.6	1.19	2.05	745 7
800	6 065	5.993	34.432	4.9	70.1	27.105	31.656	36.105	40.455	44.707	106 3	1.24	2.02	795.3
900	4.961	4 888	34.369	5.2	72.4	27.188	31.767	36.244	40 620	44 898	97.5	1.34	1.83	894.5
1000	4 464	4.385	34.379	4.9	68.1	27.252	31.843	36.332	40.721	45.010	91 5	1.44	1.54	993.6
1100	4.153	4.068	34.452	4.5	61.9	27.343	31.943	36.439	40 835	45.131	83 1	1.52	1.76	1092 6
1200	3 516	3.428	34.459	4.4	60.2	27.413	32.029	36.542	40.953	45.265	75.7	1.60	1.67	1191 6
1300	3 285	3 191	34.511	4.3	58.0	27.477	32.099	36.618	41.035	45.352	69 8	1.68	1.49	1290.5
1400	3 221	3.119	34.587	4.0	54.1	27.545	32.168	36.688	41.106	45.424	64.2	1.74	1.47	1389.4
1500	3 014	2 906	34.613	4.1	55.1	27.585	32.214	36.739	41.162	45.485	60.4	1.81	1.23	1488 2
1507	2 994	2.885	34.616	4.1	55.3	27.589	32.219	36.744	41.168	45.492	60.0	1.81	1.49	1495 1

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	18 447	18 446	35.529	5.59	3.9	0.19	1.2	0.01	0.26	25.567	29.861	34 059	38.167	42.185	4.6
51	16 824	16.816	35.492	5.01	6.3	0.42	3.9	0.09	0.38	25.937	30.258	34.483	38.616	42.660	50 2
100	16 098	16.082	35.422	5.80	4.1	0.22	1.4	0.04	0.46	26.054	30.388	34.627	38.772	42.828	99.5
201	14 557	14.527	35.311	5.49	4.2	0.47	4.8	0.02	0.20	26.316	30.678	34.945	39.117	43.199	198.8
302	13 212	13.170	35.163	5.30	6.3	0.70	6.8	0.01		26.486	30.875	35.167	39.364	43.470	299.0
402	11 426	11.375	34.913	5.34	4.5	0.92	10.5			26.640	31.066	35.395	39.628	43.767	398.2
503	10.295	10.235	34.814	5.11	8.4	1.17	15.0			26.767	31.218	35.570	39.826	43.988	498.0
703	7 886	7.814	34.623	4.70	17.1	1.71	23.2			27.006	31.512	35.918	40.225	44.437	696.5
861	5.302	5.229	34.369	5.13	18.4	2.04	22.7			27.148	31.719	36.187	40.555	44.825	853.0
1035	4.416	4.334	34.400	4.75	33.6	2.34	30.8		0.38	27.274	31.867	36.357	40.746	45.037	1024.6
1276	3.367	3.274	34.489	4.23	31.7	2.56	19.0		0.23	27.452	32.072	36.589	41.003	45.318	1262.3
1507	2 996	2.887	34.612	4.13	58.3	2.52	31.8		0.23	27.586	32.215	36.741	41.165	45.488	1489.9


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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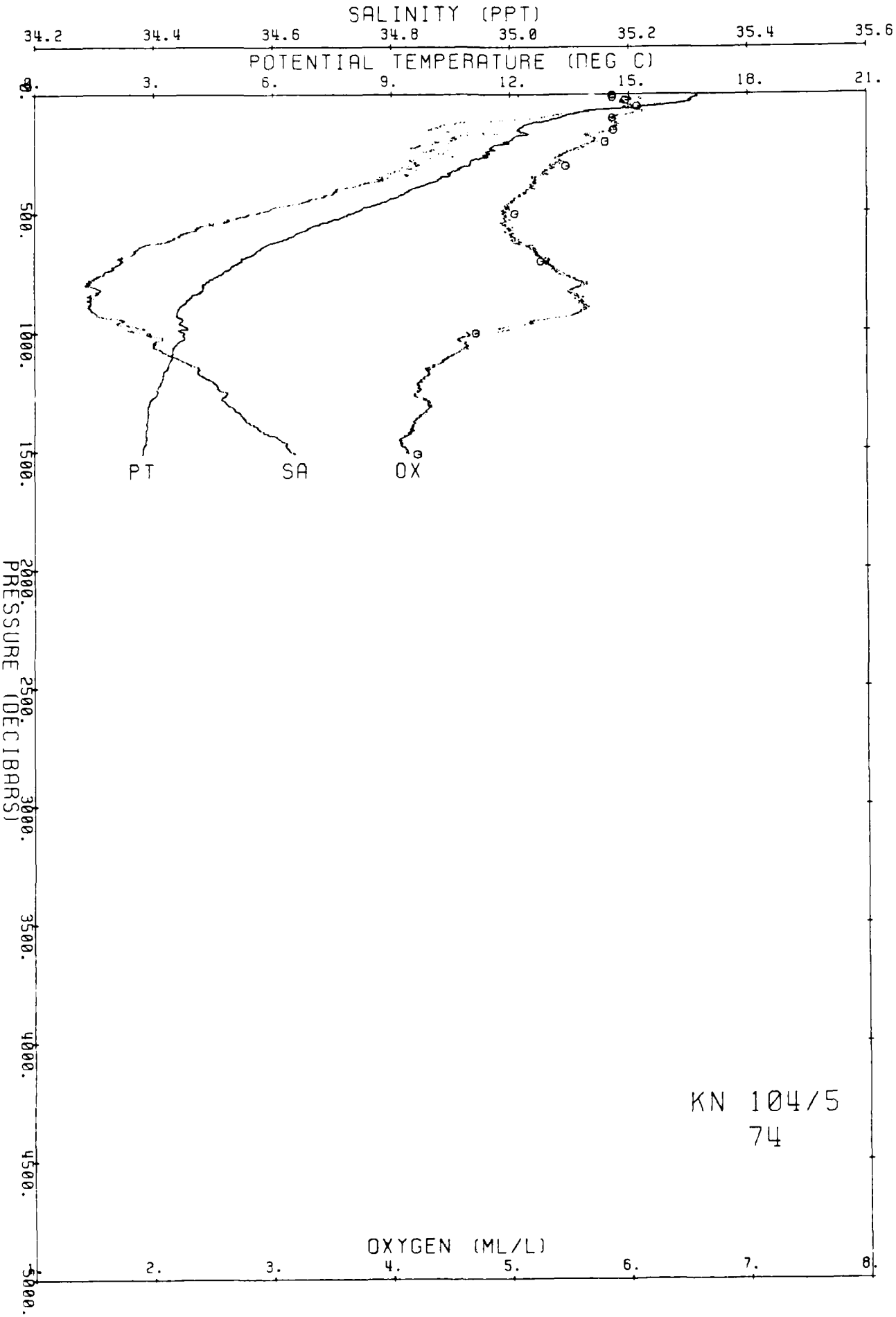

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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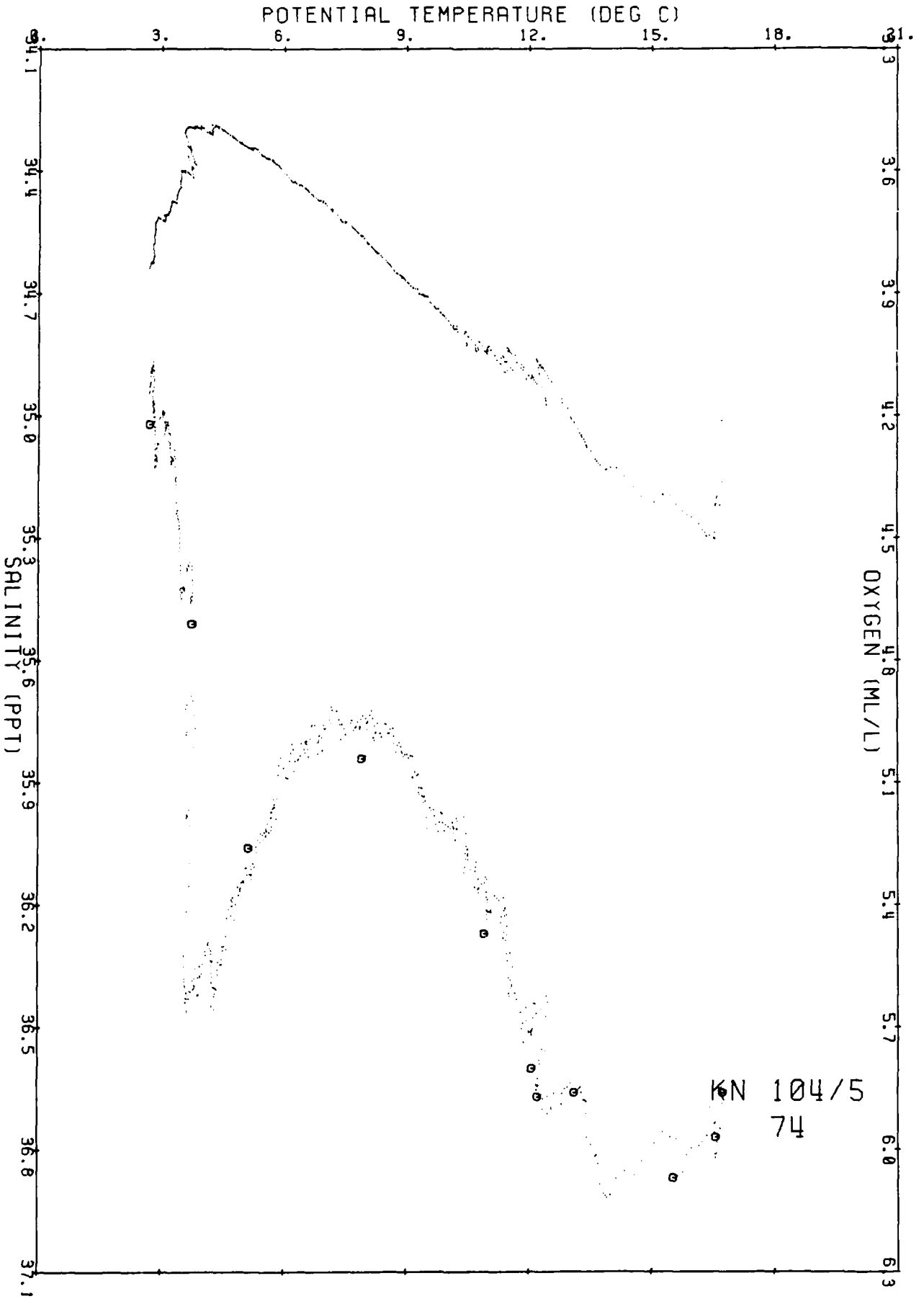

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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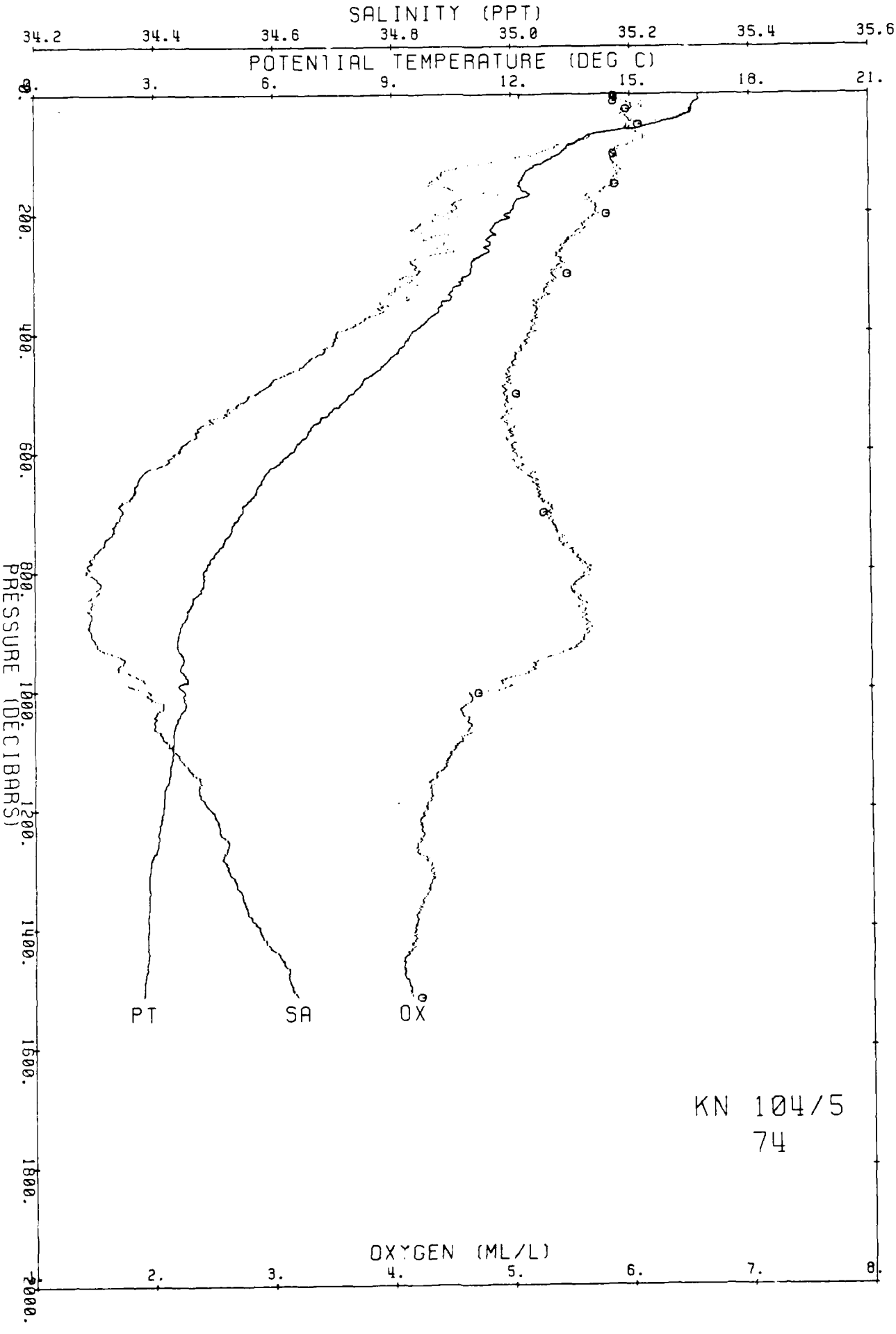
Ship KN Cruise 1045 Station 74 Cast 1 DT
Start 37 2.63 S 14 40.63 E at 1500 83/12/ 8
End 37 2.05 S 14 39.58 E at 1617

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	16.723	16.723	35.014	5.8	106.4	25.591	29.917	34.147	38.285	42.332	238.5	0.00	0.00	0.0
10	16.730	16.728	35.214	5.9	107.8	25.744	30.068	34.297	38.433	42.479	224.4	.02	6.92	10.0
20	16.567	16.564	35.221	6.0	109.3	25.788	30.115	34.346	38.485	42.534	220.5	.05	3.72	19.9
30	16.558	16.553	35.301	6.0	108.3	25.852	30.178	34.410	38.548	42.597	214.8	.07	4.48	29.9
40	16.250	16.244	35.280	6.0	108.0	25.908	30.240	34.476	38.620	42.674	209.8	.09	4.19	39.9
50	15.631	15.623	35.219	6.0	106.5	26.003	30.346	34.594	38.748	42.812	201.1	.11	5.47	49.8
60	14.783	14.775	35.199	6.0	105.7	26.176	30.535	34.797	38.966	43.044	184.9	.13	7.38	59.8
70	13.926	13.916	35.132	6.1	105.4	26.308	30.683	34.961	39.146	43.239	172.6	.15	6.46	69.8
80	13.673	13.662	35.112	6.0	103.0	26.345	30.725	35.009	39.198	43.295	169.3	.16	3.44	79.7
90	13.434	13.421	35.075	5.9	100.2	26.366	30.751	35.039	39.233	43.334	167.6	.18	2.59	89.7
100	13.261	13.248	35.044	5.8	99.3	26.378	30.766	35.058	39.255	43.360	166.8	.20	1.93	99.6
120	12.582	12.566	34.918	5.9	98.7	26.416	30.819	35.124	39.334	43.452	163.5	.23	2.51	119.5
140	12.291	12.273	34.877	5.9	97.4	26.442	30.851	35.162	39.378	43.501	161.6	.26	2.02	139.4
160	12.296	12.275	34.900	5.8	96.1	26.459	30.868	35.179	39.394	43.518	160.5	.29	1.65	159.4
180	12.136	12.112	34.907	5.7	94.0	26.496	30.908	35.222	39.441	43.567	157.5	.33	2.42	179.3
200	11.916	11.890	34.881	5.7	94.6	26.518	30.935	35.253	39.476	43.607	155.8	.36	1.90	199.2
220	11.595	11.567	34.845	5.6	91.7	26.551	30.974	35.300	39.529	43.665	153.1	.39	2.32	219.1
240	11.486	11.456	34.868	5.5	89.6	26.590	31.015	35.342	39.574	43.712	149.9	.42	2.47	239.0
260	11.458	11.425	34.894	5.4	88.6	26.616	31.041	35.369	39.601	43.740	148.0	.45	2.02	258.9
280	11.047	11.013	34.832	5.4	87.6	26.643	31.078	35.414	39.654	43.801	145.7	.48	2.16	278.8
300	10.996	10.959	34.843	5.3	86.2	26.661	31.097	35.434	39.676	43.823	144.4	.51	1.71	298.6
320	10.756	10.717	34.840	5.3	85.3	26.702	31.143	35.485	39.732	43.884	140.9	.54	2.58	318.5
340	10.540	10.500	34.825	5.3	84.2	26.729	31.175	35.522	39.772	43.929	138.7	.56	2.11	338.4
360	10.213	10.170	34.779	5.2	82.9	26.751	31.203	35.557	39.815	43.978	136.9	.59	1.94	358.3
380	9.905	9.861	34.748	5.2	81.6	26.779	31.239	35.600	39.863	44.033	134.4	.62	2.21	378.2
400	9.526	9.481	34.706	5.1	80.5	26.810	31.278	35.647	39.919	44.096	131.6	.64	2.31	398.1
450	8.896	8.847	34.655	5.0	77.1	26.873	31.355	35.738	40.024	44.214	126.1	.71	2.07	447.8
500	8.081	8.030	34.573	4.9	74.7	26.934	31.436	35.837	40.141	44.348	120.4	.77	2.10	497.4
550	7.209	7.156	34.494	4.9	73.3	26.999	31.521	35.943	40.266	44.492	114.2	.83	2.17	547.1
600	6.500	6.445	34.437	5.0	72.9	27.050	31.590	36.029	40.368	44.611	109.2	.89	1.96	596.7
650	5.753	5.697	34.373	5.2	74.0	27.095	31.654	36.111	40.468	44.727	104.6	.94	1.88	646.4
700	5.291	5.233	34.349	5.3	75.2	27.132	31.703	36.171	40.539	44.809	101.0	.99	1.67	696.0
750	4.817	4.757	34.317	5.4	75.3	27.162	31.744	36.225	40.604	44.885	98.0	1.04	1.55	745.6
800	4.305	4.244	34.287	5.6	78.0	27.194	31.790	36.283	40.676	44.969	94.5	1.09	1.63	795.2
900	3.697	3.632	34.294	5.6	76.4	27.262	31.874	36.383	40.790	45.098	87.8	1.18	1.60	894.3
1000	3.843	3.769	34.390	4.9	66.8	27.325	31.932	36.437	40.840	45.144	83.1	1.26	1.35	993.4
1100	3.549	3.469	34.431	4.5	61.2	27.387	32.002	36.514	40.925	45.235	77.4	1.34	1.48	1092.4
1200	3.302	3.216	34.493	4.3	57.7	27.460	32.082	36.600	41.016	45.333	70.7	1.42	1.59	1191.4
1300	2.974	2.883	34.522	4.3	57.8	27.514	32.145	36.671	41.096	45.420	65.4	1.49	1.42	1290.3
1400	2.929	2.830	34.574	4.2	55.7	27.561	32.192	36.719	41.145	45.470	61.6	1.55	1.22	1389.2
1500	2.839	2.733	34.629	4.1	55.2	27.613	32.247	36.776	41.204	45.531	57.1	1.61	1.32	1488.0
1514	2.826	2.719	34.638	4.1	55.3	27.622	32.255	36.785	41.213	45.541	56.4	1.62	1.41	1501.8

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	16.734	16.733	35.297	5.86	4.3	0.42	1.2	0.01	0.71	25.806	30.130	34.358	38.494	42.540	3.5
13	16.733	16.731	35.298	5.86	3.9	0.80	1.2	0.01	0.76	25.808	30.131	34.359	38.495	42.541	12.4
25	16.568	16.564	35.300	5.97	4.1	0.34	1.4	0.01	0.41	25.849	30.175	34.406	38.544	42.593	25.2
51	15.542	15.534	35.218	6.07	3.2	0.28	5.0	0.03	0.36	26.022	30.367	34.616	38.772	42.837	50.4
101	13.133	13.119	35.028	5.86	3.3	0.53	7.0	0.28	0.35	26.391	30.782	35.076	39.276	43.383	99.9
151	12.232	12.212	34.883	5.87	3.3	0.69	7.4	0.04	0.31	26.458	30.868	35.180	39.397	43.522	149.9
201	12.098	12.072	34.916	5.80	5.2	0.74	7.6	0.02	0.29	26.511	30.923	35.238	39.458	43.584	199.4
301	10.951	10.914	34.836	5.47	6.0	0.99	10.0	0.01	0.30	26.664	31.101	35.439	39.681	43.830	298.8
503	7.963	7.912	34.558	5.04	10.3	1.63	18.9	0.02	0.29	26.940	31.445	35.849	40.155	44.365	498.1
702	5.191	5.133	34.335	5.26	19.0	2.08	25.8	0.01	0.24	27.133	31.706	36.177	40.547	44.820	695.4
1005	3.834	3.759	34.388	4.71	36.3	2.43	29.2		0.21	27.324	31.932	36.437	40.840	45.144	994.5
1517	2.822	2.715	34.635	4.22	48.2	2.49	27.1		0.24	27.620	32.254	36.784	41.212	45.539	1499.6


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
OXYGEN (ML/L)
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KN 104/5
74

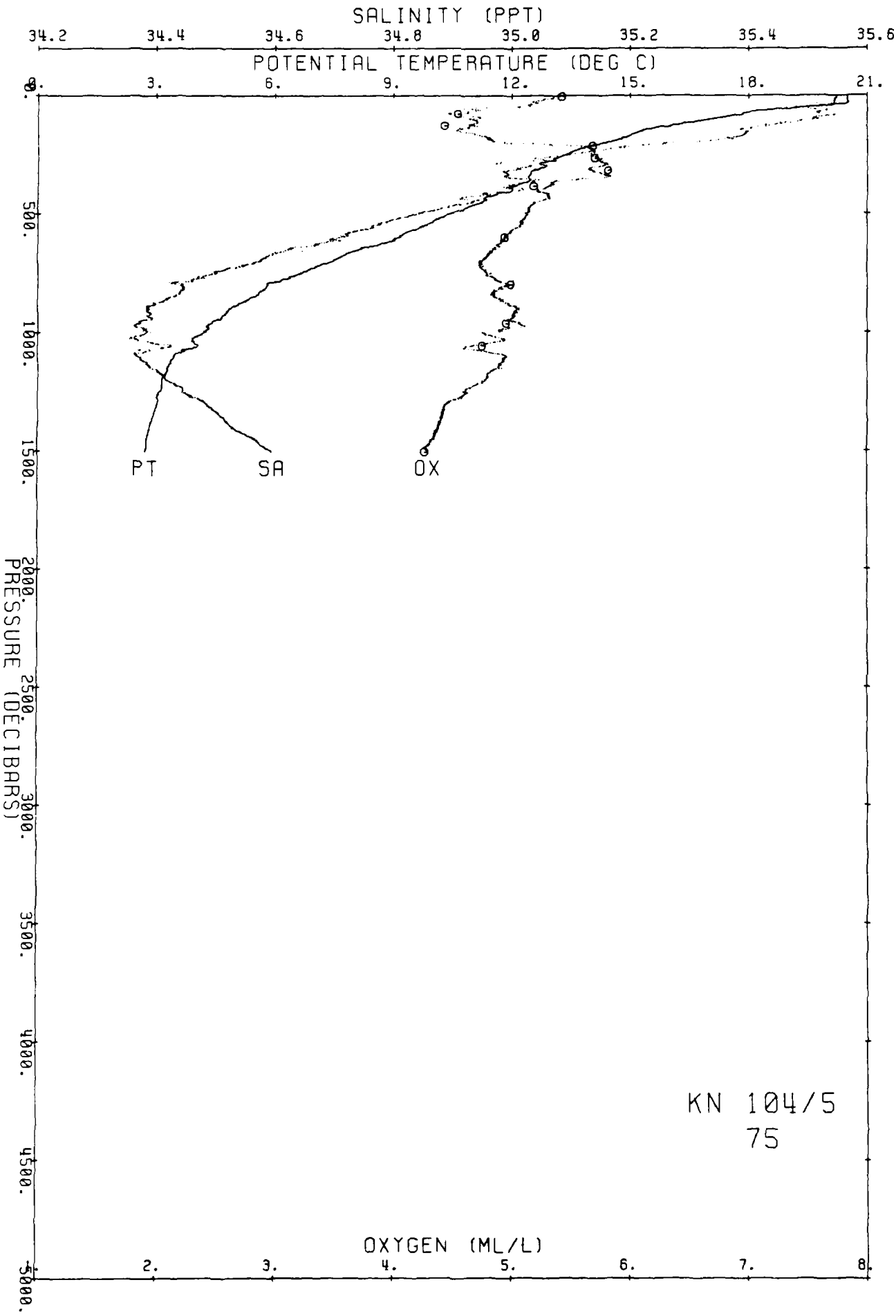

POTENTIAL TEMPERATURE (DEG C)
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3.
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12.
15.
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21.
SALINITY (PPT)
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34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
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5.7
6.0
6.3
KN 104/5
74

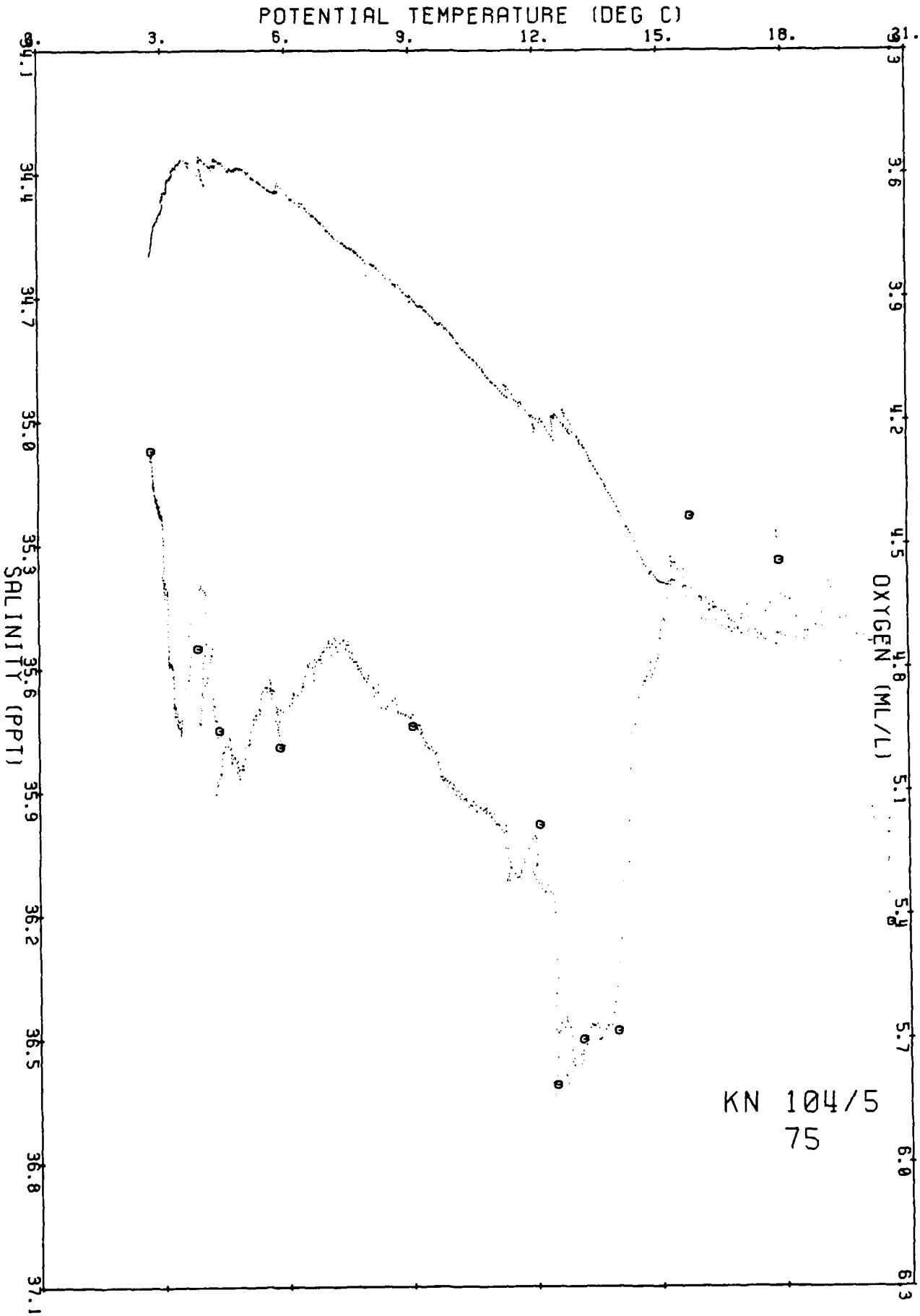

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
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200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
PT
SA
OX
KN 104/5
74
OXYGEN (ML/L)
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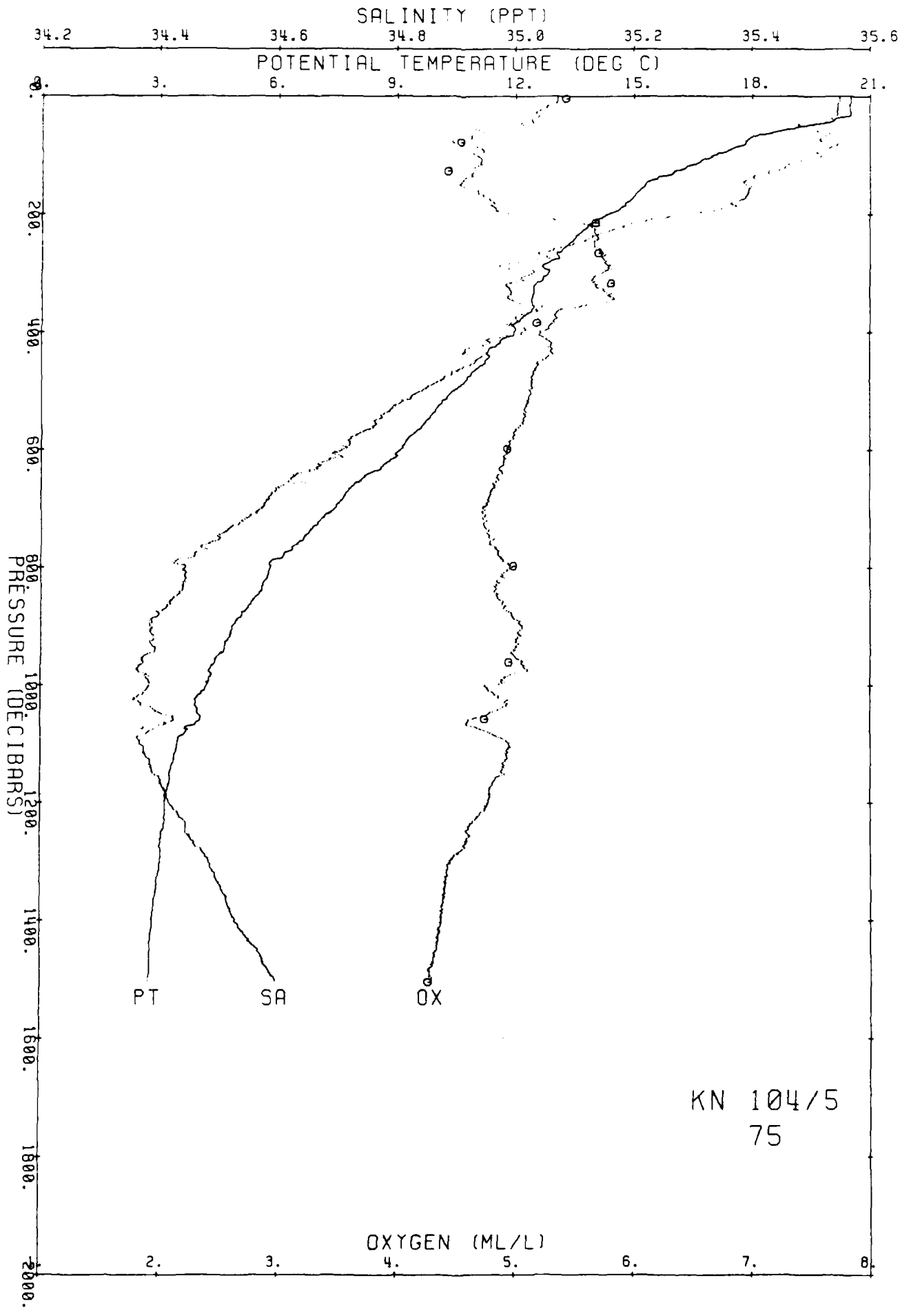
Ship KN Cruise 1045 Station 75 Cast 1 DT
Start 36 28.71 S 14 26.04 E at 1958 83/12/ 8
End 36 27.94 S 14 28.50 E at 2130

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	20 504	20 504	35 548	5 3	104.9	25.047	29 308	33 475	37 552	41.541	290.3	0 00	0.00	0 0
10	20 503	20 502	35 549	5 3	104 7	25 048	29 309	33 477	37 554	41 543	290 6	03	66	10 0
20	20 502	20 498	35 545	5 3	103.2	25 046	29 307	33 475	37 552	41 541	291.2	.06	- 82	19 9
30	20 516	20 510	35 545	5 2	102.0	25.043	29 304	33 471	37 548	41 537	291.9	.09	-1.01	29 9
40	20 105	20 098	35 539	5 1	100.1	25 148	29 416	33 589	37 672	41 667	282.3	.12	5 76	39 9
50	19 379	19 370	35 481	4 8	91.9	25.205	29 574	33 759	37 852	41 858	268 7	.14	6.79	49 9
60	18 593	18 582	35 512	4 7	89.4	25 520	29 811	34 008	38 113	42 130	247 6	.17	8 41	59 8
70	17 983	17 971	35 521	4 6	86.7	25 679	29 981	34 187	38 302	42 328	232.7	.19	7.09	69 8
80	17 868	17 854	35 545	4 5	83.7	25 727	30 030	34 238	38 354	42 381	228.6	.22	3.85	79 8
90	17 478	17 463	35 524	4 7	87.4	25 806	30 116	34 330	38 453	42 486	221.4	.24	5 01	89 7
100	17 014	16 998	35 518	4 7	85 8	25 913	30 231	34 453	38 583	42 624	211 5	.26	5 82	99 7
120	16 350	16 331	35 457	4 7	84 3	26 024	30 353	34 587	38 728	42 779	201 6	.30	4 18	119 6
140	15 607	15 586	35 405	4 6	81 4	26 154	30 497	34 744	38 898	42 962	189 7	.34	4.56	139 5
160	15 159	15 135	35 393	4 7	82.9	26 246	30 597	34 852	39 014	43.084	181 6	.38	3 82	159 4
180	14 835	14 808	35 366	4 8	84 6	26 297	30 654	34 915	39.082	43.159	177 3	.41	2 85	179 4
200	14 349	14 320	35 272	5 0	86 2	26 330	30 697	34 967	39 144	43 229	174 6	.45	2.34	199 3
220	13 864	13 833	35 181	5 6	97 0	26 363	30 739	35 019	39 205	43 299	171 9	.48	2 33	219 2
240	13 549	13 515	35 127	5 7	97 4	26 387	30 770	35.056	39 247	43 347	170 1	.52	2 00	239 1
260	13 225	13 189	35 065	5 7	96 9	26 406	30 795	35 088	39 286	43 391	168 7	.55	1 79	259 0
280	12.914	12 876	35 009	5.8	97.1	26 425	30 821	35 120	39 324	43.436	167 3	.59	1 83	278 9
300	12 882	12 841	35 028	5 7	96.4	26 447	30 844	35.143	39 347	43.459	165 8	.62	1 85	298 8
320	12 543	12.500	34.984	5.7	95 0	26 480	30 884	35 190	39 401	43 520	163 0	65	2 36	318 7
340	12.474	12.428	34.988	5 8	96 9	26.498	30 903	35 210	39.422	43 542	161 9	.68	1 66	338 5
360	12.477	12 429	35.037	5 4	90 1	26 536	30 940	35 247	39.459	43 579	158 9	.72	2.43	358 4
380	12.175	12 125	35 003	5 3	88 3	26 568	30 979	35 292	39 510	43 635	156.1	75	2 34	378 3
400	12 030	11 978	35 011	5 2	86 4	26 603	31.016	35 332	39.553	43 681	153 3	.78	2.36	398 2
450	11 310	11 253	34 933	5 2	84 6	26 678	31 107	35.438	39.673	43.814	146 9	.85	2 26	447 9
500	10 508	10 448	34 843	5 1	82.1	26.752	31 199	35.547	39 798	43.955	140.3	.93	2.28	497.6
550	9 829	9 765	34 762	5 1	79.9	26.806	31 268	35 631	39.896	44.067	135.5	.99	1.97	547 3
600	9 186	9.119	34 709	4.9	76 6	26.871	31 348	35.724	40.004	44 188	129.7	1.06	2.14	596 9
650	8 191	8 123	34 622	4 9	73.8	26 959	31.458	35 857	40 158	44 363	121.1	1.12	2.52	646.5
700	7 520	7.450	34 573	4 7	70.8	27.019	31.534	35 949	40.265	44.484	115.3	1.18	2.11	696.2
750	6.725	6.654	34.502	4 8	70.7	27 074	31.608	36 042	40.376	44.613	109 7	1.24	2 07	745 8
800	5 891	5 821	34 444	5 0	71 2	27 136	31 691	36 145	40.498	44 754	103.0	1 29	2.21	795.4
900	4.923	4 849	34 386	5 1	71.0	27 206	31 786	36.263	40 640	44.919	95.7	1.39	1.68	894.5
1000	4 282	4.205	34.383	4 8	65.6	27 274	31.871	36.364	40.757	45.050	88.9	1.48	1 62	993.6
1100	3 540	3 460	34 368	5.0	67 1	27.338	31.954	36 466	40.878	45 189	82 0	1.57	1.62	1092 6
1200	3 232	3.147	34 418	4 8	64.2	27.407	32.031	36.552	40.970	45.289	75.4	1.65	1.57	1191.6
1300	3 125	3 033	34.485	4 5	59.9	27.471	32.098	36.621	41.042	45.363	69.9	1.72	1.45	1290 5
1400	2 933	2.834	34.529	4.4	58.6	27.524	32.156	36.684	41.109	45.435	65.0	1.79	1.37	1389.4
1500	2 838	2 732	34 596	4 3	57.3	27.587	32.221	36 751	41.179	45.506	59.5	1.85	1.43	1488 2
1502	2.836	2.730	34.596	4.3	57.3	27.587	32.221	36 751	41.179	45.506	59.5	1.85	-9.99	1490 2

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	20 530	20 529	35.552	5.42	2.7	0.20	1.1	0.01	0.23	25.043	29.304	33.471	37.547	41.536	4.1
78	17 923	17 910	35.533	4.54	4.7	0.48	4 4	0.06	0 26	25.704	30.006	34.213	38.329	42.355	77 0
127	15 771	15 751	35 398	4.43	6.0	0.73	7 0	0.06	0 31	26 112	30.452	34.696	38.847	42.908	126.1
215	13 970	13.939	35.209	5.68	2.9	0.51	4.2	0.02	0.27	26.362	30.737	35.014	39.198	43.290	212.9
266	13 134	13 097	35 064	5.70	3.6	0.57	6.4	0.03	0.31	26.424	30.815	35.109	39.309	43.416	263 4
317	12 512	12.469	34 982	5.81	3.0	0.65	7.6	0.02	0.28	26.485	30.889	35.196	39.407	43.526	314.3
384	12.112	12.061	35 019	5.18	6.0	0.85	8.9	0.02	0.27	26.593	31.005	35.319	39.538	43.664	380.3
598	9.102	9.035	34.712	4.94	8.6	1.42	15.8	0.02	0.28	26.887	31.365	35.744	40.025	44.211	592.2
796	5 893	5 823	34 425	4.99	16.6	2.01	23.3	0.01	0 28	27.121	31.676	36.130	40.483	44.739	788.7
961	4 444	4 368	34 369	4.95	27.2	2.28	28.6	0.01	0.31	27.246	31.838	36.327	40.716	45.006	951.1
1057	3 920	3 840	34 384	4.75	25.4	2.42	21.6		0.34	27.313	31.919	36.421	40.823	45.125	1046 3
1504	2 836	2.729	34.590	4.27	55.5	2.50	32.2		0.34	27.582	32.216	36.746	41.174	45.502	1487.7


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
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12.
15.
18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
OXYGEN (ML/L)
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KN 104/5
75

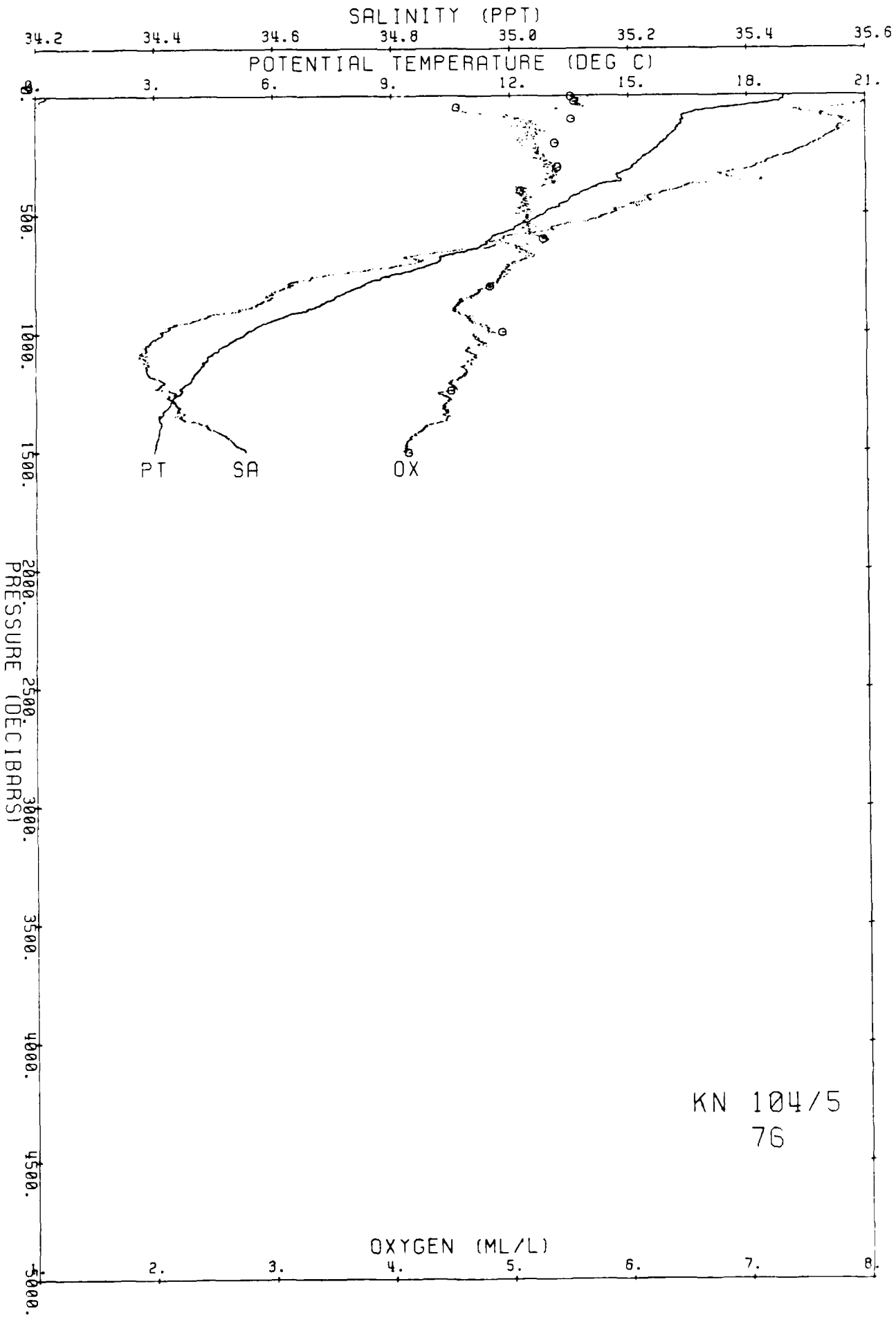

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
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KN 104/5
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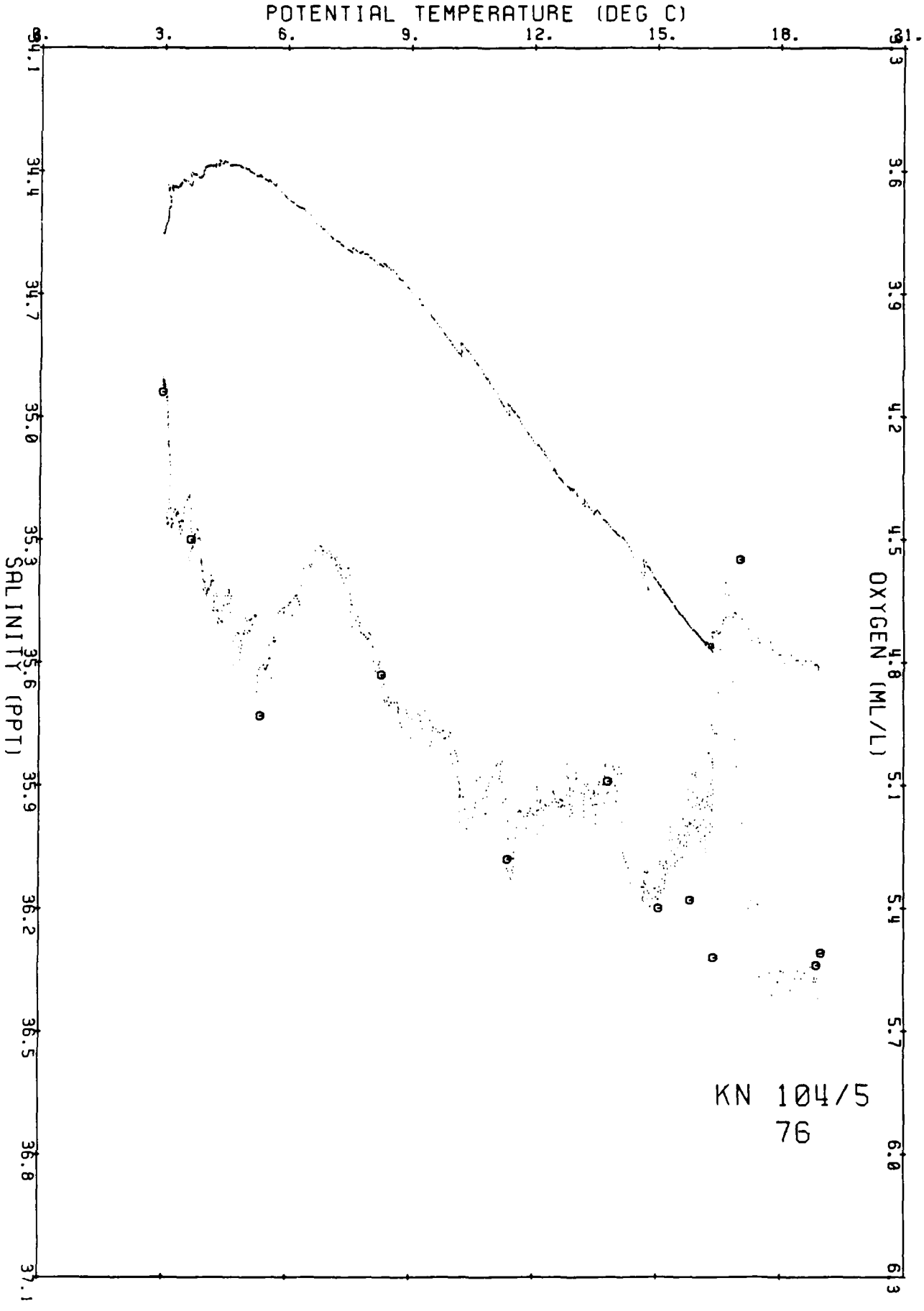

SALINITY (PPT)
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34.4
34.6
34.8
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35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PT
SA
OX
KN 104/5
75
OXYGEN (ML/L)
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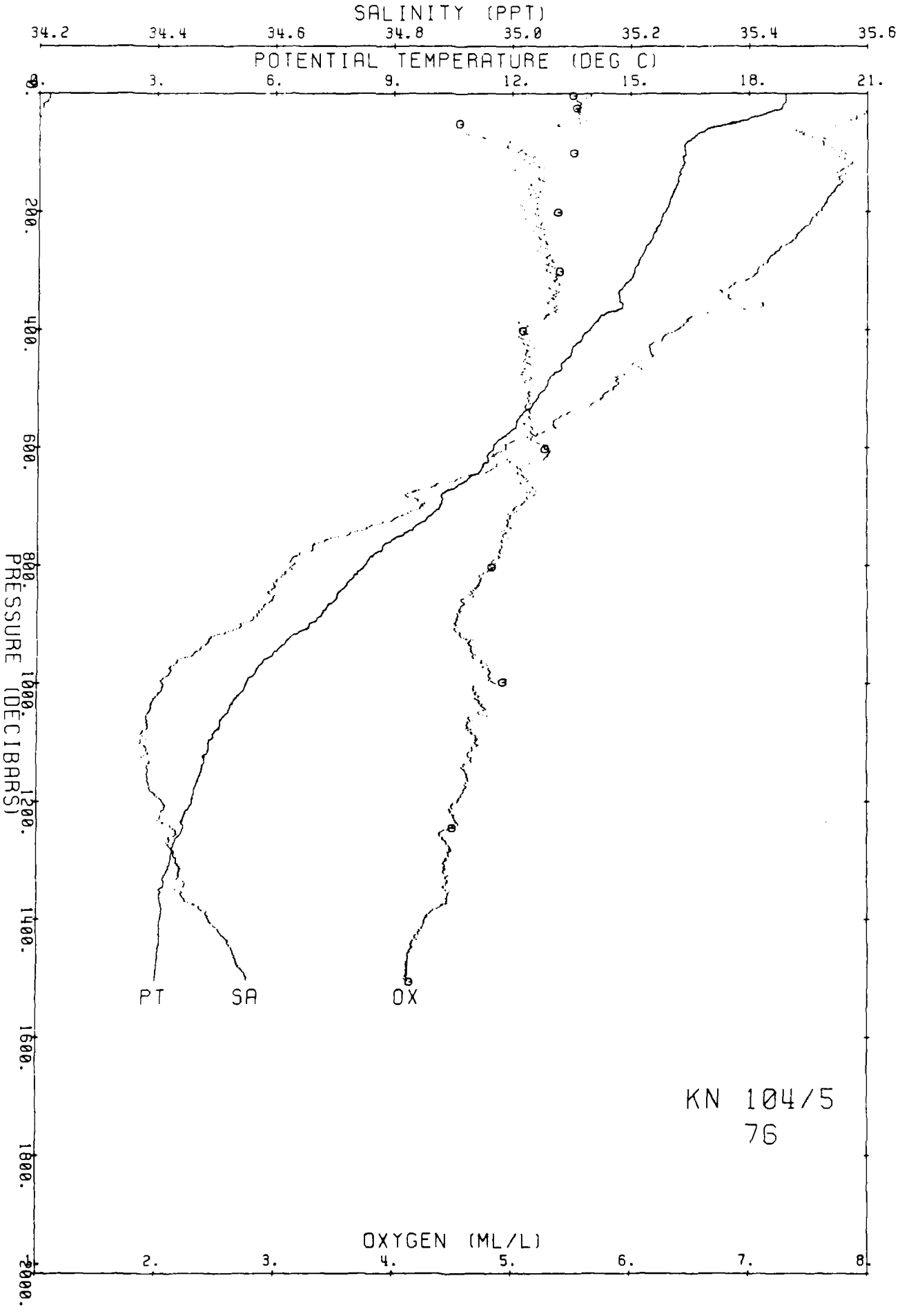
Ship KN Cruise 1045 Station 78 Cast 1 DT
Start 35 59.90 S 14 15.30 E at 43 83/12/ 9
End 36 .13 S 14 16.50 E at 213

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	18 932	18 932	35 618	5 7	107.8	25 512	29 797	33 988	38 087	42 098	246 1	0 00	0 00	0 0
10	18 936	18 934	35 616	5 6	106.3	25 510	29 795	33 986	38 085	42 096	246 6	02	79	10 0
20	18 854	18 851	35 607	5 6	106.0	25.524	29 811	34 003	38 104	42.116	245 6	05	2.12	19 9
30	18 622	18 617	35 597	5 6	105.3	25.576	29 866	34 062	38 166	42 182	241 1	07	4.03	29 9
40	18 100	18.094	35 602	5 6	104.2	25 711	30 010	34 214	38 326	42 350	228.6	10	6 51	39 9
50	17 521	17 513	35 554	5 6	103.2	25 817	30 126	34 339	38 461	42 493	218 9	12	5 78	49 8
60	16 961	16 952	35 483	5 1	92.7	25 898	30 216	34 439	38 570	42.612	211.6	14	5.04	59 8
70	16 688	16 676	35 490	4 6	84.5	25.968	30 291	34 519	38 655	42.700	205 2	16	4 72	69 8
80	16 480	16 467	35 523	5 0	90.4	26 043	30 369	34 600	38 739	42.788	198 4	18	4 84	79 7
90	16 372	16 357	35 535	5 0	89.8	26 077	30 406	34 639	38 779	42.829	195 5	20	3 31	89 7
100	16 399	16 383	35 561	5 0	91.6	26 091	30 419	34 652	38 791	42 841	194 5	22	2 09	99 7
120	16 364	16 345	35 572	5 2	93.6	26 109	30 437	34 670	38 810	42.861	193 5	26	1 65	119 6
140	16 243	16 221	35 554	5 2	94 1	26 124	30 455	34 690	38 832	42 885	192 8	30	1 55	139 5
160	16 161	16 135	35 547	5 1	92.7	26.138	30 470	34 707	38 851	42.905	192.1	34	1.51	159 4
180	16 020	15.991	35 531	5 1	91 5	26 159	30 494	34 733	38.880	42 936	190.7	38	1 83	179 3
200	15 913	15 881	35 522	5 2	92 6	26 177	30 514	34 755	38 904	42.962	189.7	41	1 70	199 2
220	15 791	15 757	35 503	5 2	93.6	26 191	30 530	34 774	38 924	42 984	189 0	45	1.49	219 1
240	15 618	15 580	35 481	5 2	93.6	26 214	30 557	34 803	38 957	43 020	187 4	49	1.93	239 0
260	15 422	15 382	35 453	5 3	93.5	26 237	30 583	34 834	38 991	43.057	185 8	53	1 94	258 9
280	15 274	15 231	35 434	5 3	94.3	26 256	30 605	34 858	39 018	43.087	184.6	56	1 76	278 8
300	15 142	15 096	35 414	5 3	93.6	26.271	30 622	34 878	39 040	43.111	183.8	60	1.55	298 7
320	14 962	14 913	35 382	5.4	94.7	26 286	30 642	34 900	39 066	43.140	182 8	64	1 62	318 6
340	14 757	14.706	35 360	5 3	93.8	26 315	30.674	34 937	39 106	43.184	180 7	67	2.16	338 5
360	14 862	14.807	35 423	5.4	94.5	26 341	30.698	34 959	39 126	43.202	178.9	71	2.00	358 4
380	14 274	14.218	35 300	5 3	91.5	26.374	30 742	35 014	39.192	43.279	176.0	74	2.39	378 3
400	14.022	13.964	35 280	5.1	87.3	26 412	30.785	35 062	39 244	43 336	172.9	78	2 51	398.2
450	13 433	13 369	35 222	5 1	87.2	26.491	30 876	35 164	39 357	43 459	166.4	86	2 29	447 9
500	12 915	12 846	35 172	5 1	85.6	26 558	30.953	35 251	39 455	43.566	161 1	95	2.12	497.6
550	12 265	12.191	35 079	5.1	85.6	26.614	31 023	35 335	39 551	43.674	156 4	1 03	2.00	547 3
600	11 618	11.541	34.990	5 3	86.5	26.669	31.092	35 416	39 645	43.781	151.9	1.10	1.98	596.9
650	11 011	10 929	34 913	5.1	82.5	26.721	31 157	35 494	39 736	43 884	147.4	1 18	1.95	646 6
700	10 273	10.189	34.847	5.0	80.2	26.801	31.253	35 606	39 862	44 024	140 1	1 25	2.38	696 2
750	9 306	9 221	34 714	4 9	76 6	26 859	31 333	35 707	39.984	44 167	134 2	1 32	2.16	745 9
800	8.372	8.286	34.630	4.8	73.3	26.940	31 436	35 831	40 128	44 330	126.0	1 38	2.48	795 5
900	6 969	6 882	34.543	4 5	66.9	27.075	31.604	36 032	40 360	44 592	112.4	1 50	2 26	894 6
1000	5 393	5 307	34 411	4.9	69.1	27.173	31 741	36 207	40 573	44.840	101.1	1.61	2 05	993 7
1100	4 438	4.351	34 376	4.7	65.0	27.253	31.846	36 336	40 725	45.015	92 3	1 71	1.82	1092 8
1200	4 021	3.929	34 412	4 5	62 4	27.326	31 929	36 430	40 829	45.129	85 3	1 79	1.63	1191 8
1300	3.484	3.388	34 436	4 5	60 3	27 399	32 016	36 530	40 943	45.255	77.7	1 88	1.68	1290 7
1400	3 237	3 135	34 490	4 3	57.5	27.466	32 090	36 610	41 028	45 346	71.5	1.95	1.53	1389.6
1500	3 107	2.998	34 553	4 1	55.0	27 529	32 156	36 679	41 100	45 421	65 9	2 02	1.45	1488 4
1503	3 100	2.991	34.553	4 1	55.4	27 529	32 156	36 680	41 101	45 423	65 9	2 02	9.99	1491 4

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	18 988	18 987	35 620	5.51	3.9	0.14	1.2	0.01	0 52	25 500	29 784	33 974	38 072	42 082	4 4
25	18 894	18 889	35 619	5.54	4.2	0.14	2.1	0.01		25.524	29 .39	34 001	38.101	42.113	25.2
51	17 039	17.031	35.488	4.55	7.0	0 51	4.7	0.16		25 883	30 200	34 422	38.551	42.592	50 2
101	16 392	16.376	35 576	5.52	5.1	0.28	2.2	0.61		26.105	30.433	34 665	38 805	42.855	100.0
201	15 853	15.821	35.517	5.38	6.8	0.39	4 4	0.04		26.187	30 525	34 767	38.917	42.976	199 7
302	15 098	15.052	35 410	5.40	6.3	0.46	3.9	0.02		26.278	30.630	34.886	39 049	43.121	299.1
402	13 883	13 825	35 262	5.09	7.4	0.65	7.8	0.02		26.427	30.803	35 083	39.268	43.361	398.5
603	11.465	11.387	34 974	5.28	6.1	0.95	11.7	0.02		26.685	31.111	35.439	39.671	43.810	597.1
803	8 406	8.320	34 637	4.83	7 9	1 58	13.7	0.02		26.941	31.435	35.830	40.126	44.327	795.7
998	5 449	5.363	34 411	4.93	19.2	2.07	20.5	0.01	0.20	27.166	31.733	36.197	40.562	44.828	988.0
1244	3.770	3.676	34.428	4.50	41 1	2.44	32.9		0.20	27.364	31.974	36.481	40.886	45.192	1231.6
1506	3 090	2.981	34.550	4.14	43.2	2.52	26.0		0.20	27.528	32.155	36.679	41.101	45.423	1489.5


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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KN 104/5
76

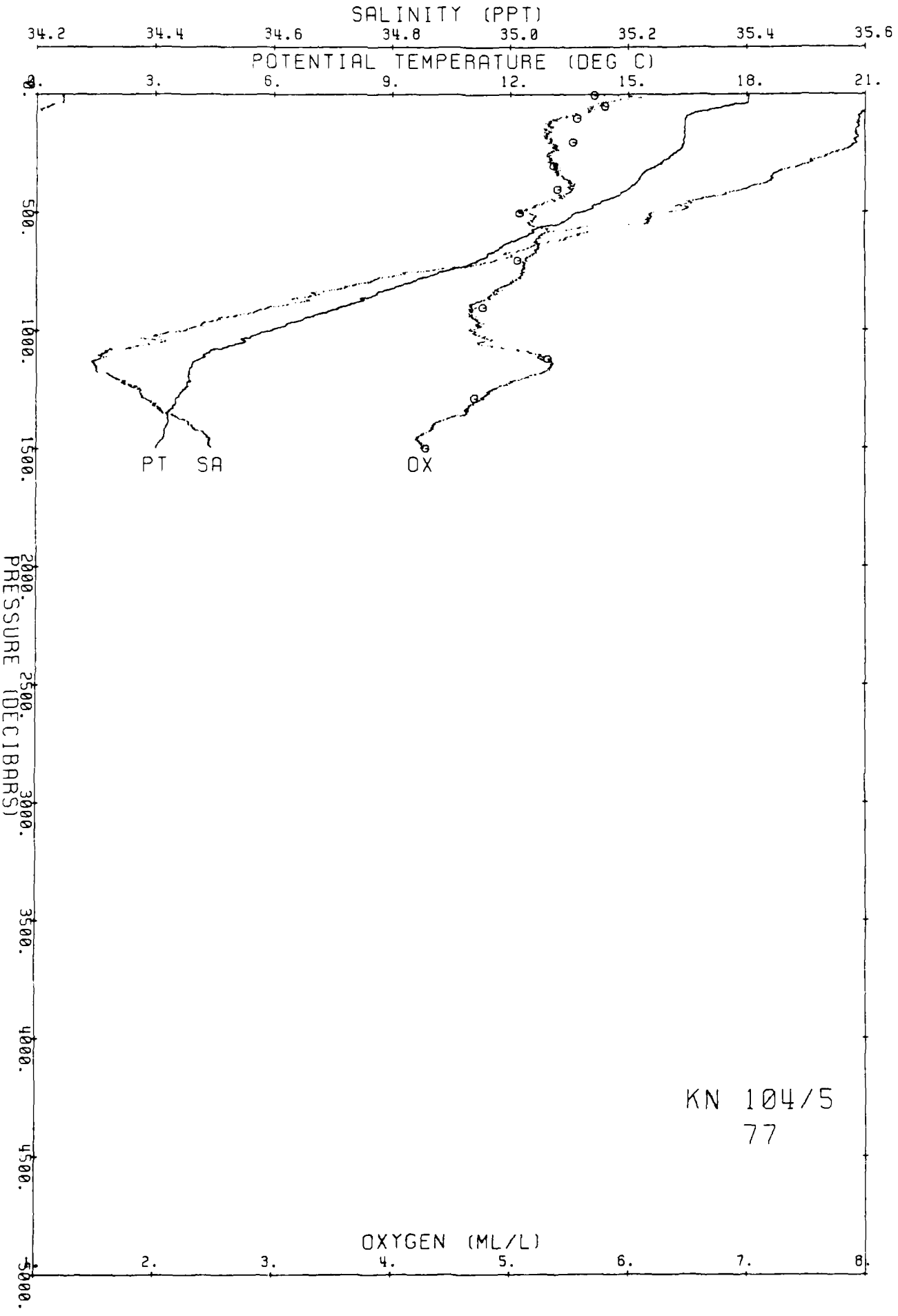

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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36.8
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OXYGEN (ML/L)
3.3
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KN 104/5
76

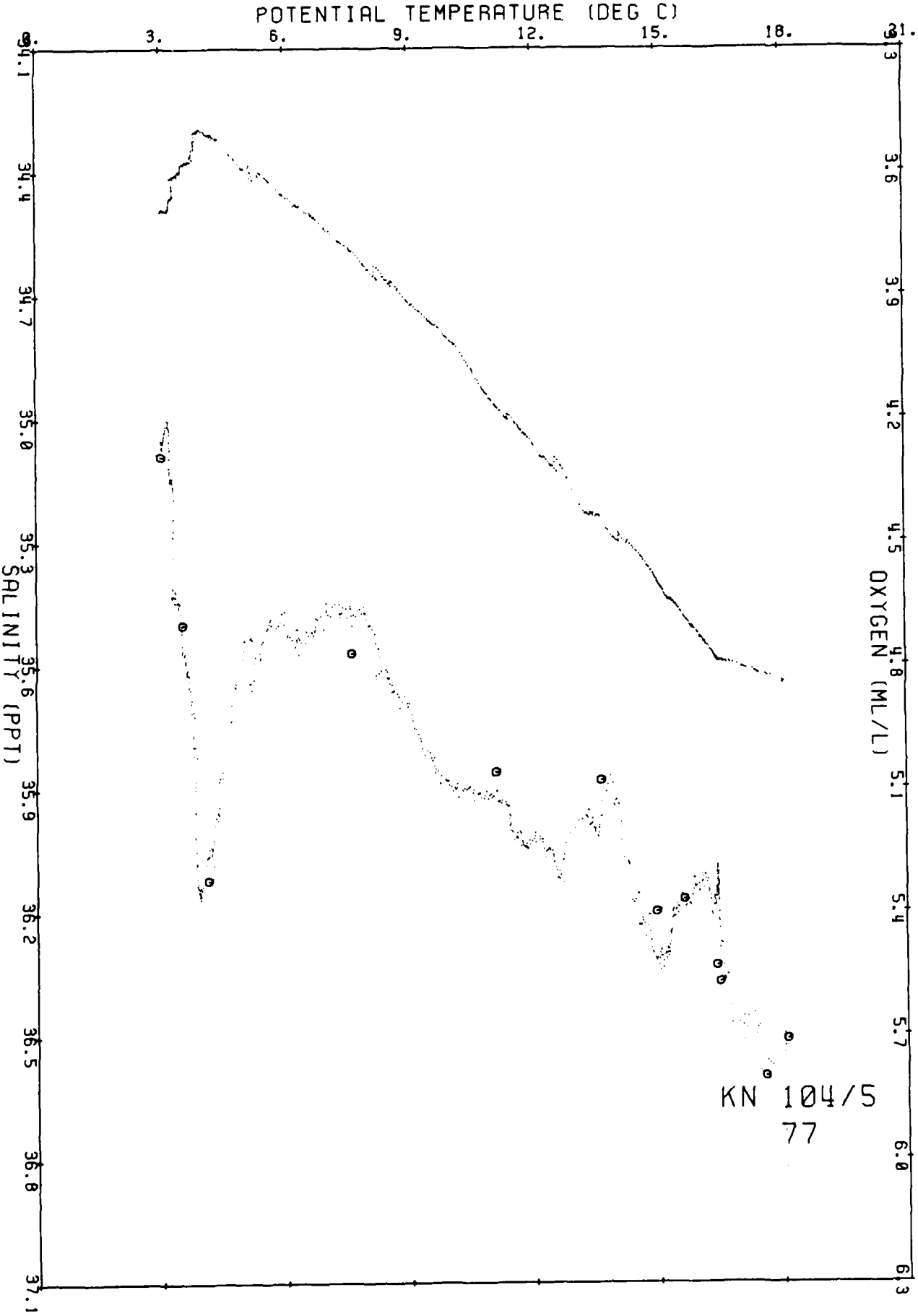

SALINITY (PPT)
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35.2
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35.6
POTENTIAL TEMPERATURE (DEG C)
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800.
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1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
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SA
OX
KN 104/5
76
OXYGEN (ML/L)
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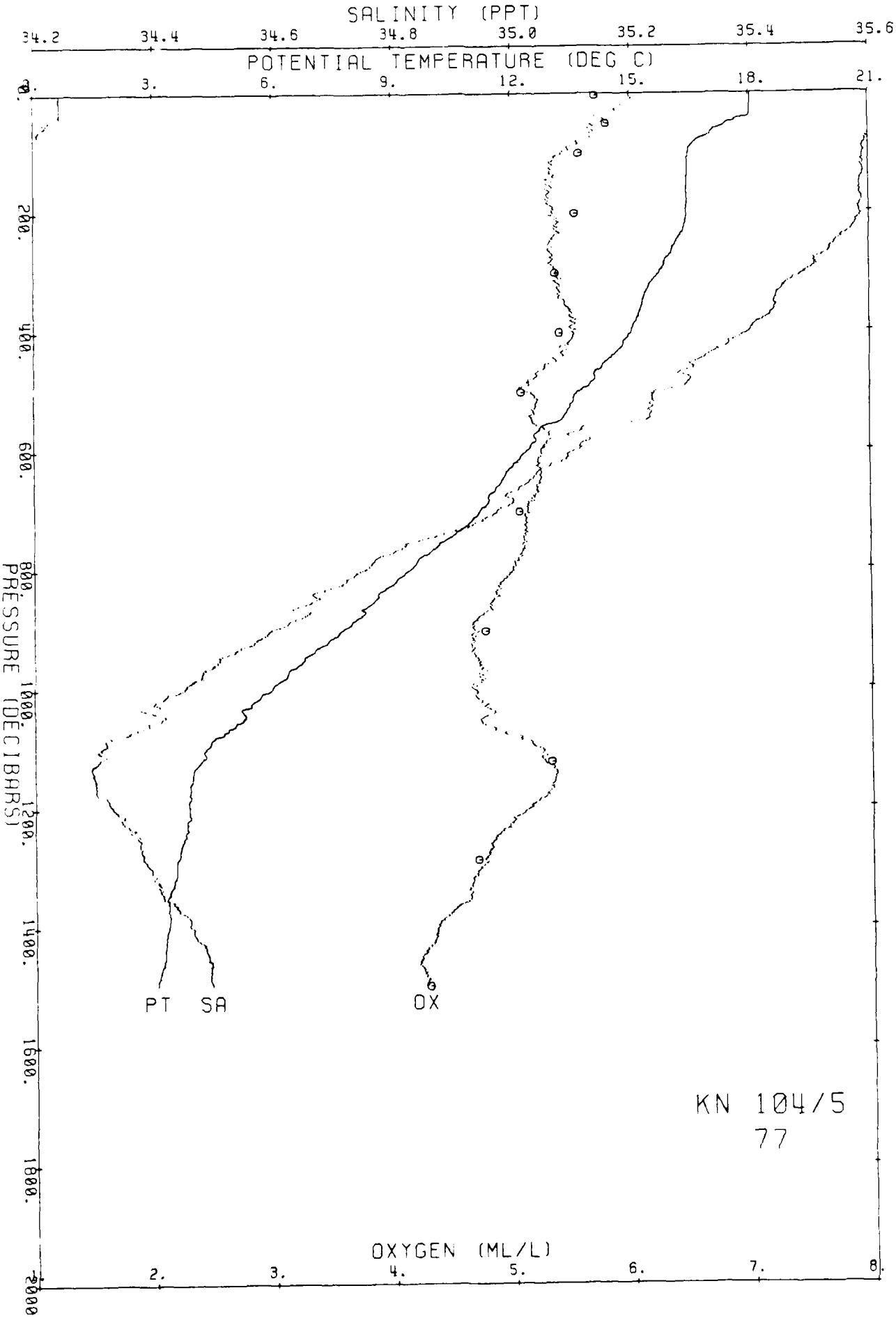
Ship KN Cruise 1045 Station 77 Cast 1 DT
Start 35 30.57 S 14 4.25 E at 554 83/12/ 9
End 35 30.88 S 14 5.00 E at 735

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	18.043	18.043	35.645	5.7	107.2	25.756	30.056	34.260	38.373	42.397	222.8	0.00	0.00	0.0
10	18.046	18.045	35.643	6.0	112.8	25.755	30.054	34.258	38.371	42.395	223.4	.02	.76	10.0
20	18.044	18.041	35.644	5.9	111.2	25.756	30.056	34.260	38.373	42.397	223.6	.04	.73	19.9
30	18.038	18.033	35.645	5.9	109.6	25.759	30.058	34.263	38.376	42.400	223.7	.07	.92	29.9
40	18.010	18.004	35.636	5.7	107.0	25.759	30.059	34.265	38.378	42.403	224.0	.09	.39	39.9
50	17.462	17.454	35.621	5.8	107.3	25.883	30.192	34.406	38.528	42.561	212.6	.11	6.23	49.8
60	17.164	17.155	35.610	5.7	104.2	25.947	30.261	34.480	38.607	42.645	206.9	.13	4.48	59.8
70	17.038	17.026	35.607	5.7	104.3	25.975	30.291	34.513	38.642	42.681	204.6	.15	2.99	69.8
80	16.687	16.674	35.596	5.6	101.3	26.050	30.373	34.600	38.735	42.780	197.8	.17	4.87	79.7
90	16.547	16.532	35.591	5.5	99.7	26.080	30.405	34.634	38.771	42.819	195.3	.19	3.05	89.7
100	16.493	16.476	35.591	5.4	98.6	26.093	30.419	34.649	38.787	42.836	194.4	.21	2.04	99.6
120	16.473	16.454	35.591	5.3	97.2	26.098	30.424	34.655	38.794	42.842	194.6	.25	.92	119.6
140	16.465	16.442	35.590	5.4	97.3	26.100	30.427	34.658	38.796	42.845	195.1	.29	.56	139.5
160	16.450	16.424	35.586	5.3	97.1	26.101	30.428	34.660	38.798	42.847	195.7	.33	.42	159.4
180	16.456	16.427	35.589	5.3	96.2	26.103	30.430	34.661	38.800	42.849	196.2	.37	.51	179.3
200	16.432	16.400	35.583	5.3	97.0	26.104	30.432	34.664	38.803	42.852	196.8	.41	.52	199.2
220	16.415	16.379	35.578	5.4	97.7	26.105	30.433	34.665	38.805	42.855	197.3	.45	.41	219.1
240	16.298	16.259	35.557	5.4	97.1	26.117	30.447	34.682	38.824	42.875	196.9	.49	1.39	239.0
260	16.116	16.074	35.534	5.3	96.1	26.142	30.476	34.713	38.858	42.913	195.1	.53	2.01	258.9
280	15.932	15.888	35.508	5.4	96.2	26.165	30.502	34.743	38.891	42.949	193.5	.56	1.93	278.8
300	15.803	15.756	35.495	5.4	96.4	26.185	30.524	34.768	38.918	42.978	192.2	.60	1.80	298.7
320	15.554	15.504	35.461	5.4	96.1	26.216	30.560	34.808	38.963	43.027	189.9	.64	2.25	318.6
340	15.411	15.359	35.446	5.4	96.2	26.237	30.584	34.834	38.992	43.059	188.4	.68	1.85	338.5
360	15.334	15.279	35.442	5.5	97.2	26.252	30.600	34.852	39.011	43.079	187.6	.72	1.55	358.4
380	15.225	15.167	35.423	5.5	98.2	26.262	30.612	34.866	39.027	43.097	187.3	.75	1.31	378.3
400	15.092	15.031	35.400	5.5	97.2	26.274	30.627	34.884	39.047	43.120	186.6	.79	1.44	398.2
450	14.482	14.415	35.313	5.4	93.8	26.341	30.706	34.974	39.149	43.232	181.4	.88	2.12	447.9
500	13.831	13.758	35.258	5.1	87.9	26.438	30.815	35.096	39.282	43.377	173.2	.97	2.53	497.6
550	13.326	13.248	35.227	5.2	87.9	26.519	30.907	35.197	39.392	43.496	166.5	1.06	2.33	547.3
600	12.488	12.407	35.106	5.3	87.7	26.593	30.998	35.305	39.517	43.636	160.0	1.14	2.29	597.0
650	11.839	11.753	35.030	5.2	86.3	26.660	31.078	35.398	39.623	43.755	154.3	1.22	2.17	646.6
700	11.290	11.201	34.977	5.1	83.5	26.722	31.151	35.483	39.719	43.861	149.0	1.29	2.08	696.3
750	10.435	10.344	34.849	5.1	81.4	26.775	31.224	35.574	39.827	43.986	143.9	1.37	2.05	745.9
800	9.542	9.450	34.753	5.0	78.3	26.852	31.321	35.690	39.962	44.139	136.3	1.44	2.40	795.5
900	7.818	7.725	34.595	4.7	70.4	26.997	31.505	35.913	40.223	44.437	121.5	1.57	2.36	894.7
1000	6.043	5.952	34.451	4.7	67.4	27.125	31.677	36.127	40.478	44.731	107.1	1.68	2.30	993.8
1100	4.372	4.285	34.309	5.2	72.3	27.207	31.802	36.294	40.685	44.977	96.4	1.78	1.99	1092.9
1200	3.938	3.847	34.329	5.1	70.4	27.268	31.874	36.378	40.779	45.082	90.4	1.87	1.52	1191.8
1300	3.636	3.539	34.393	4.7	64.1	27.350	31.964	36.474	40.883	45.192	82.8	1.96	1.68	1290.8
1400	3.421	3.317	34.461	4.4	58.9	27.425	32.045	36.560	40.974	45.288	75.9	2.04	1.61	1389.7
1498	3.150	3.041	34.495	4.3	57.1	27.478	32.105	36.627	41.048	45.369	70.7	2.11	1.42	1486.5

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	18.106	18.105	35.655	5.71	5.2	0.17	1.3		0.20	25.749	30.047	34.251	38.362	42.385	4.4
51	17.577	17.568	35.633	5.80	5.7	0.15	3.5			25.864	30.171	34.384	38.504	42.535	51.0
101	16.485	16.469	35.595	5.57	3.9	0.31	2.4			26.098	30.424	34.654	38.793	42.841	100.5
202	16.426	16.393	35.587	5.53	5.7	0.28	2.6		0.29	26.109	30.437	34.669	38.808	42.857	200.4
303	15.669	15.621	35.482	5.37	4.0	0.39	3.5		0.20	26.206	30.547	34.793	38.946	43.008	300.1
403	15.019	14.957	35.390	5.40	5.9	0.47	3.5		0.29	26.283	30.637	34.895	39.060	43.134	399.4
503	13.698	13.625	35.244	5.08	6.5	0.68	4.8		0.25	26.455	30.835	35.118	39.307	43.404	498.8
704	11.181	11.091	34.965	5.06	7.8	1.08	9.9		0.92	26.732	31.164	35.498	39.736	43.881	697.3
903	7.715	7.622	34.586	4.77	16.1	1.76	23.8		0.30	27.005	31.516	35.926	40.238	44.454	894.4
1123	4.219	4.131	34.301	5.32	22.8	2.17	25.4		0.30	27.217	31.816	36.312	40.707	45.003	1111.8
1288	3.647	3.550	34.385	4.70	36.9	2.40	30.1		0.30	27.342	31.956	36.466	40.875	45.184	1274.3
1499	3.150	3.041	34.489	4.29	42.5	2.52	27.8		0.35	27.474	32.100	36.623	41.043	45.364	1482.9


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
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3.
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12.
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18.
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500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
PRESSURE (DECIBARS)
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SA
OX
KN 104/5
77
OXYGEN (ML/L)
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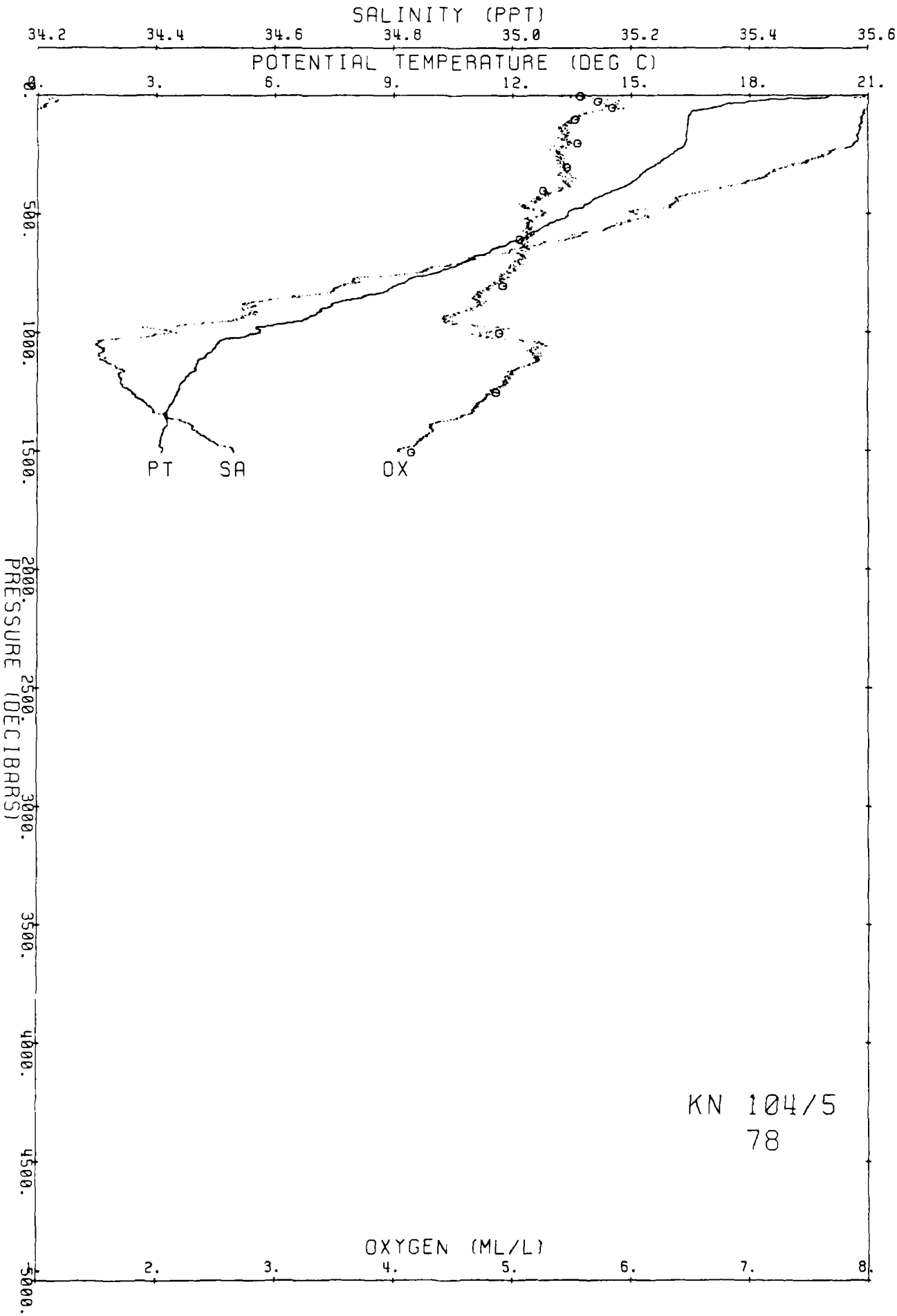

POTENTIAL TEMPERATURE (DEG C)
0.
3.
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21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
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77

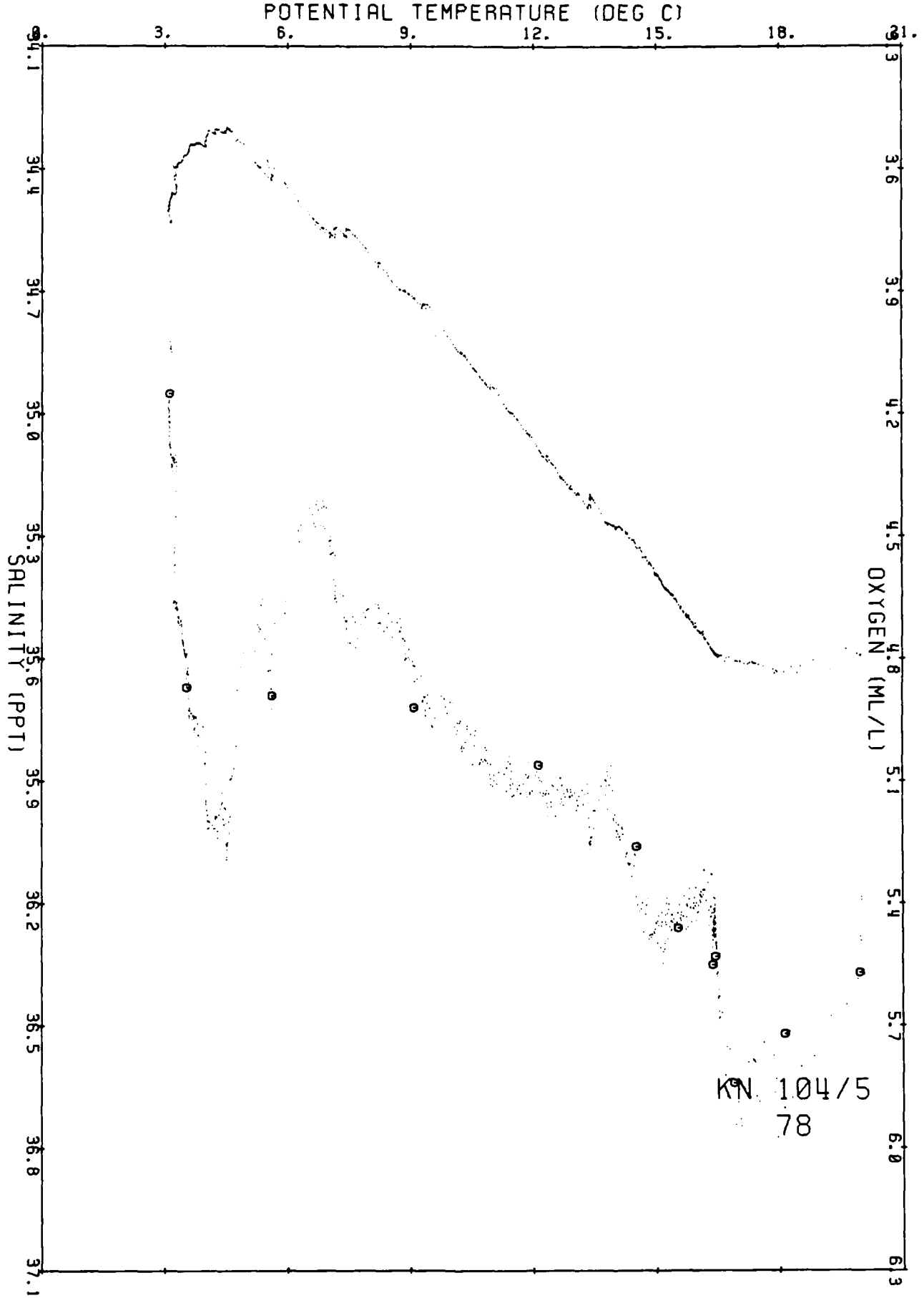

SALINITY (PPT)
34.2
34.4
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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SA
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KN 104/5
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OXYGEN (ML/L)
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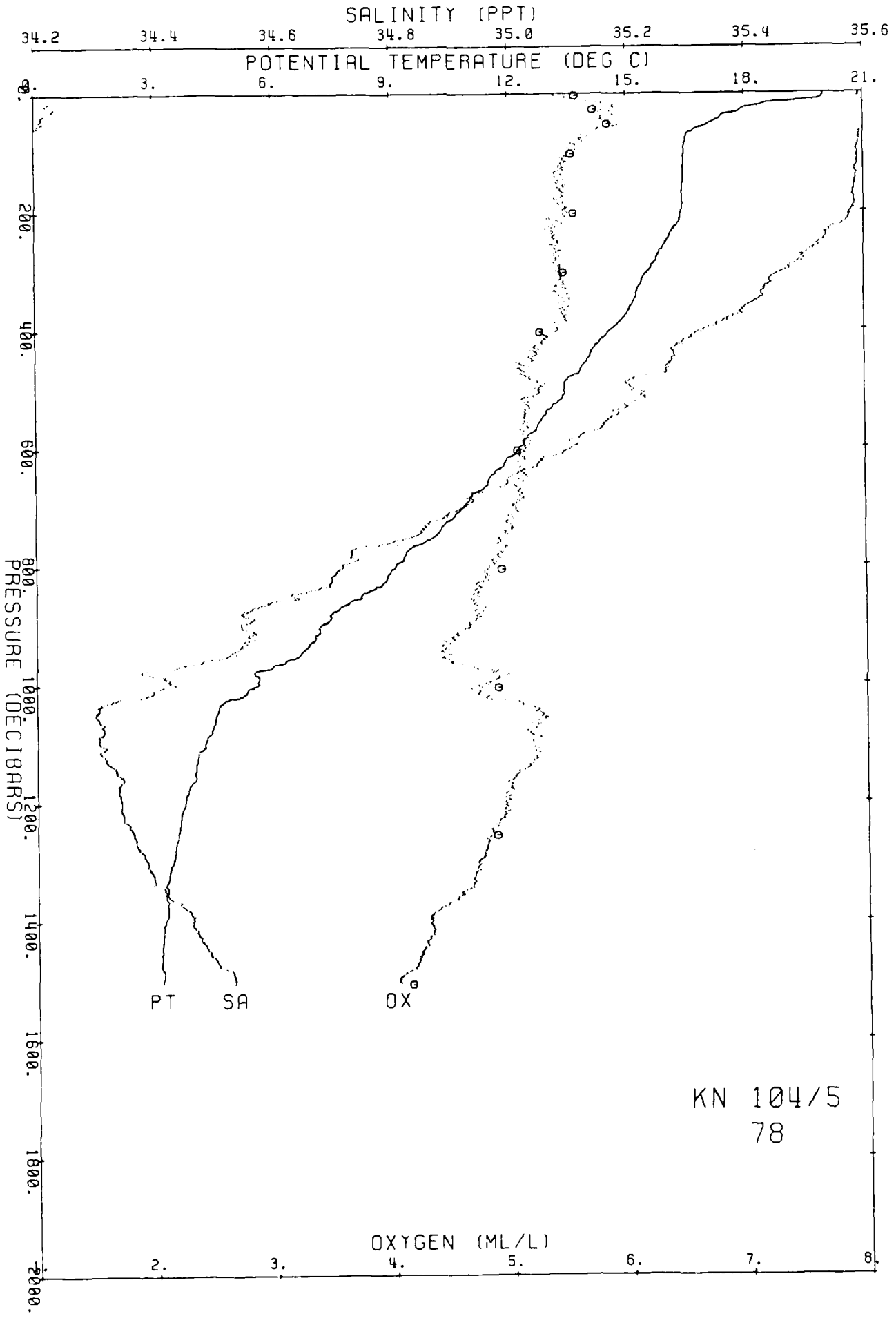
Ship KN Cruise 1045 Station 78 Cast 1 DT
Start 34 59.72 S 13 52.81 E at 1108 83/12/ 9
End 35 .27 S 13 51.85 E at 1235

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	19 998	19 998	35 594	5 4	104 6	25 217	29 485	33 660	37 744	41 740	274 1	0 00	0 00	0 0
10	19 893	19 892	35 588	5 6	108 3	25 240	29 510	33 687	37 772	41 770	272 3	03	2 72	10 0
20	18 428	18 425	35 635	5 9	111 3	25 654	29 947	34 145	38 252	42 271	233 4	05	11 39	19 9
30	17 891	17 886	35 636	5 9	109 5	25 788	30 090	34 297	38 413	42 439	220 9	08	6 51	29 9
40	17 408	17 401	35 611	5 8	107 1	25 888	30 198	34 413	38 536	42 570	211 8	10	5 59	39 9
50	17 163	17 155	35 611	5 9	107 8	25 947	30 261	34 481	38 608	42 645	206 5	12	4 32	49 8
60	16 792	16 782	35 596	5 8	105 3	26 025	30 345	34 571	38 704	42 747	199 5	14	4 94	59 8
70	16 553	16 542	35 594	5 6	102 4	26 080	30 404	34 634	38 771	42 818	194 6	16	4 16	69 8
80	16 528	16 515	35 596	5 6	102 5	26 088	30 413	34 643	38 780	42 828	194 2	18	1 58	79 7
90	16 488	16 474	35 591	5 5	100 8	26 093	30 419	34 650	38 788	42 836	194 0	20	1 35	89 7
100	16 477	16 461	35 590	5 5	100 2	26 096	30 422	34 653	38 791	42 839	194 1	22	83	99 6
120	16 467	16 448	35 590	5 5	99 9	26 099	30 425	34 656	38 795	42 843	194 5	25	70	119 6
140	16 455	16 432	35 587	5 4	98 4	26 100	30 427	34 658	38 797	42 846	195 1	29	47	139 5
160	16 443	16 417	35 584	5 4	98 5	26 101	30 428	34 660	38 799	42 848	195 7	33	45	159 4
180	16 436	16 407	35 583	5 4	98 3	26 103	30 430	34 662	38 801	42 850	196 2	37	51	179 3
200	16 421	16 389	35 579	5 5	99 6	26 104	30 432	34 664	38 803	42 853	196 8	41	44	199 2
220	16 338	16 303	35 565	5 5	98 8	26 113	30 442	34 676	38 817	42 868	196 6	45	1 22	219 1
240	16 129	16 091	35 537	5 4	97 4	26 141	30 474	34 711	38 856	42 910	194 6	49	2 11	239 0
260	15 973	15 932	35 523	5 4	96 9	26 167	30 502	34 743	38 890	42 947	192 7	53	2 04	258 9
280	15 796	15 752	35 498	5 4	96 9	26 188	30 528	34 771	38 922	42 982	191 3	57	1 89	278 8
300	15 619	15 572	35 468	5 4	96 5	26 206	30 549	34 795	38 949	43 012	190 2	61	1 71	298 7
320	15 423	15 374	35 441	5 4	96 8	26 230	30 576	34 827	38 984	43 050	188 5	64	1 98	318 6
340	15 293	15 240	35 428	5 5	97 4	26 250	30 598	34 851	39 011	43 080	187 2	68	1 79	338 5
360	15 152	15 097	35 404	5 5	97 4	26 263	30 614	34 870	39 032	43 104	186 5	72	1 49	358 4
380	14 965	14 907	35 372	5 5	96 4	26 280	30 635	34 894	39 060	43 135	185 4	76	1 71	378 3
400	14 660	14 600	35 329	5 4	94 8	26 314	30 675	34 940	39 111	43 191	182 6	79	2 37	398 2
450	14 038	13 972	35 275	5 2	89 8	26 406	30 780	35 056	39 238	43 329	174 9	88	2 47	447 9
500	13 480	13 409	35 210	5 2	89 6	26 473	30 858	35 145	39 338	43 439	169 6	97	2 13	497 6
550	12 905	12 829	35 171	5 1	86 3	26 560	30 956	35 255	39 458	43 570	162 2	1 05	2 42	547 3
600	12 329	12 249	35 103	5 1	85 5	26 622	31 030	35 340	39 555	43 677	157 1	1 13	2 07	597 0
650	11 580	11 496	34 998	5 1	84 2	26 683	31 107	35 432	39 662	43 799	151 7	1 21	2 11	646 6
700	10 919	10 832	34 922	5 0	81 5	26 746	31 184	35 523	39 766	43 916	146 2	1 28	2 12	696 3
750	10 188	10 098	34 838	5 0	78 9	26 809	31 263	35 618	39 877	44 041	140 3	1 35	2 17	745 9
800	9 185	9 095	34 717	4 8	74 8	26 882	31 358	35 735	40 015	44 200	132 9	1 42	2 37	795 5
900	7 265	7 175	34 545	4 7	69 0	27 036	31 558	35 979	40 301	44 527	116 6	1 55	2 45	894 7
1000	5 704	5 616	34 434	4 8	68 7	27 154	31 714	36 172	40 530	44 791	103 7	1 66	2 19	993 8
1100	4 327	4 240	34 305	5 2	72 5	27 208	31 804	36 298	40 690	44 983	96 2	1 76	1 70	1092 8
1200	3 815	3 724	34 341	4 9	67 4	27 290	31 899	36 406	40 810	45 116	88 0	1 85	1 74	1191 8
1300	3 500	3 404	34 385	4 7	63 8	27 357	31 974	36 488	40 900	45 213	81 7	1 93	1 54	1290 8
1400	3 320	3 218	34 461	4 3	58 2	27 435	32 057	36 575	40 991	45 308	74 6	2 01	1 62	1389 6
1500	3 253	3 143	34 531	4 0	54 3	27 498	32 121	36 641	41 058	45 376	69 4	2 08	1 42	1488 5
1506	3 240	3 129	34 530	4 0	54 2	27 498	32 122	36 642	41 060	45 378	69 3	2 09	74	1494 4

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	19 948	19 947	35 608	5 57	2 7	0 16	1 2	0 01	0 28	25 241	29 510	33 685	37 770	41 766	3 8
27	18 130	18 125	35 645	5 72	5 0	0 17	1 3		0 27	25 736	30 034	34 237	38 349	42 372	27 2
52	16 891	16 882	35 606	5 84	5 6	0 22	1 6	0 20	0 22	26 009	30 327	34 551	38 683	42 724	51 8
103	16 459	16 442	35 590	5 53	4 0	0 32	2 7	0 05	0 40	26 100	30 427	34 658	38 795	42 845	101 7
203	16 406	16 373	35 582	5 55	4 0	0 31	2 8	0 01	0 22	26 110	30 438	34 670	38 810	42 860	201 4
303	15 583	15 536	35 471	5 46	5 7	0 40	3 5	0 01		26 217	30 560	34 807	38 962	43 025	300 9
404	14 585	14 524	35 331	5 26	6 5	0 54	5 2	0 01	0 28	26 332	30 694	34 960	39 133	43 214	400 3
605	12 217	12 136	35 097	5 06	6 7	0 92	7 3		0 29	26 639	31 049	35 361	39 578	43 703	599 3
805	9 177	9 086	34 723	4 92	8 7	1 43	9 4		0 31	26 888	31 365	35 742	40 022	44 207	797 9
1006	5 705	5 616	34 428	4 89	17 6	2 07	18 0		0 30	27 149	31 709	36 167	40 526	44 787	995 7
1256	3 638	3 544	34 357	4 87	29 4	2 41	24 1		0 27	27 321	31 935	36 445	40 854	45 164	1243 0
1508	3 229	3 118	34 527	4 15	40 1	2 57	23 0		0 26	27 497	32 121	36 641	41 060	45 378	1491 3


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
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12.
15.
18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
OXYGEN (ML/L)
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6.
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8.
KN 104/5
78

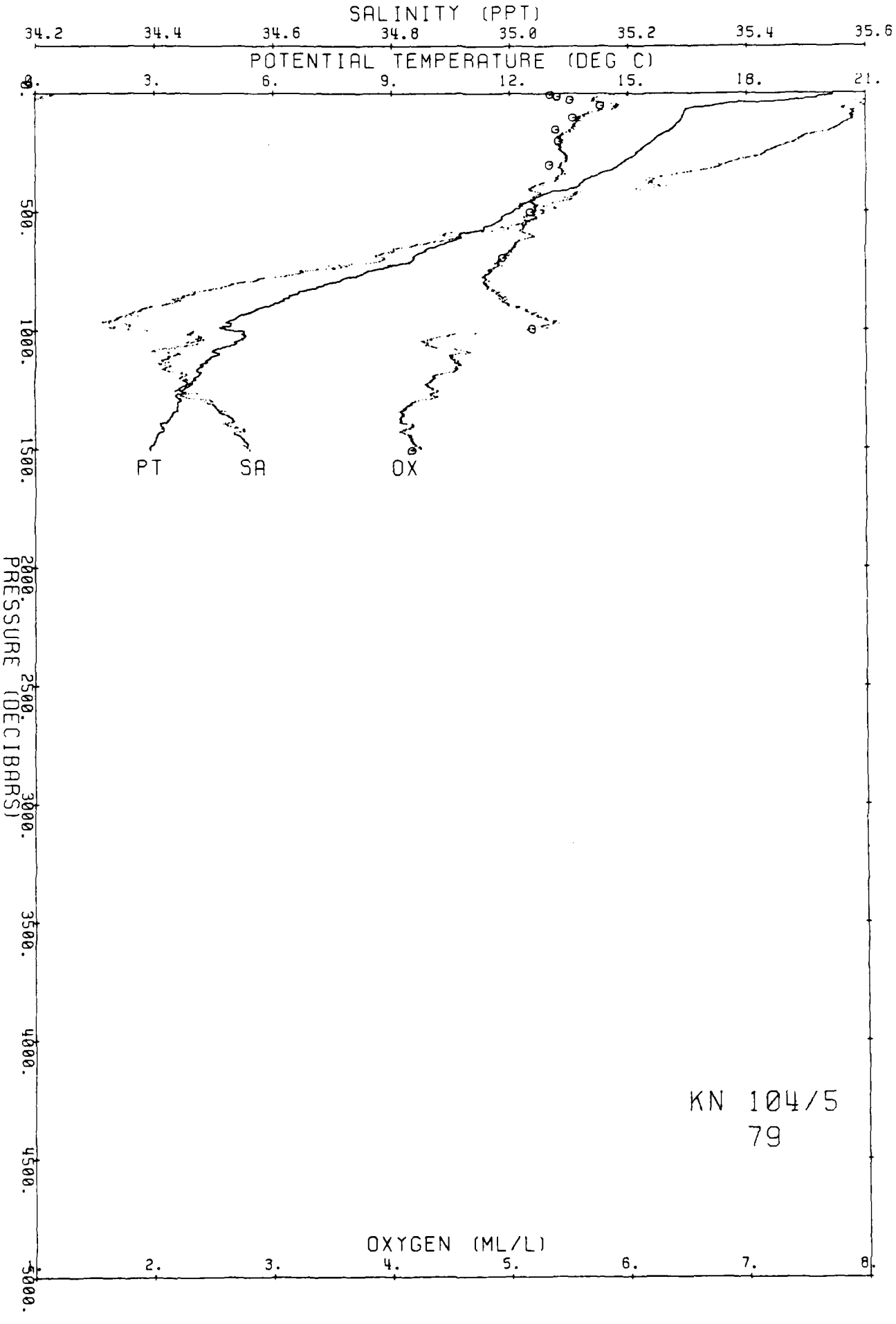

POTENTIAL TEMPERATURE (DEG C)
0.
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6.
9.
12.
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21.
SALINITY (PPT)
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34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
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5.1
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KN 104/5
78

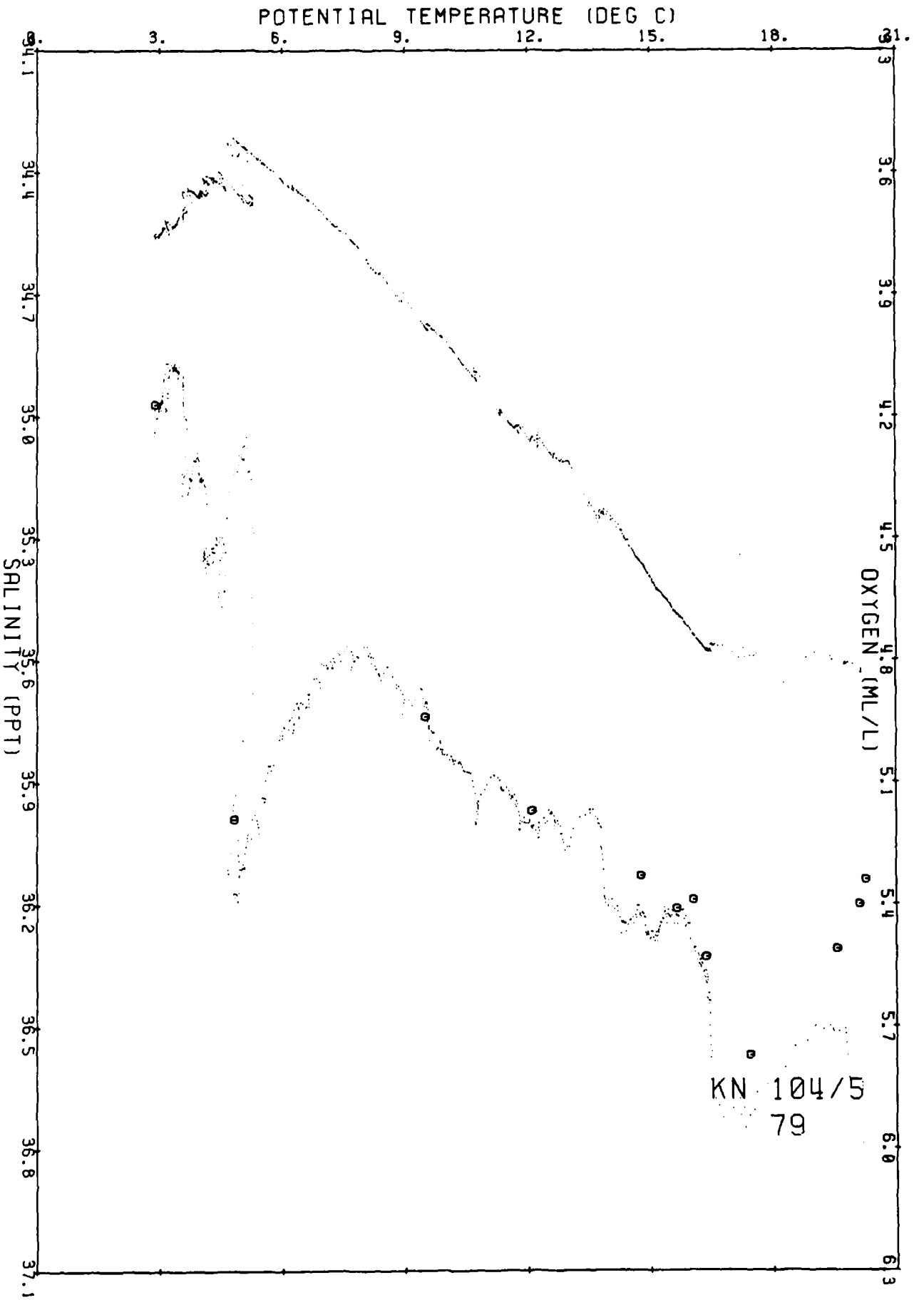

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
PT
SA
OX
KN 104/5
78
OXYGEN (ML/L)
2.
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4.
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8.

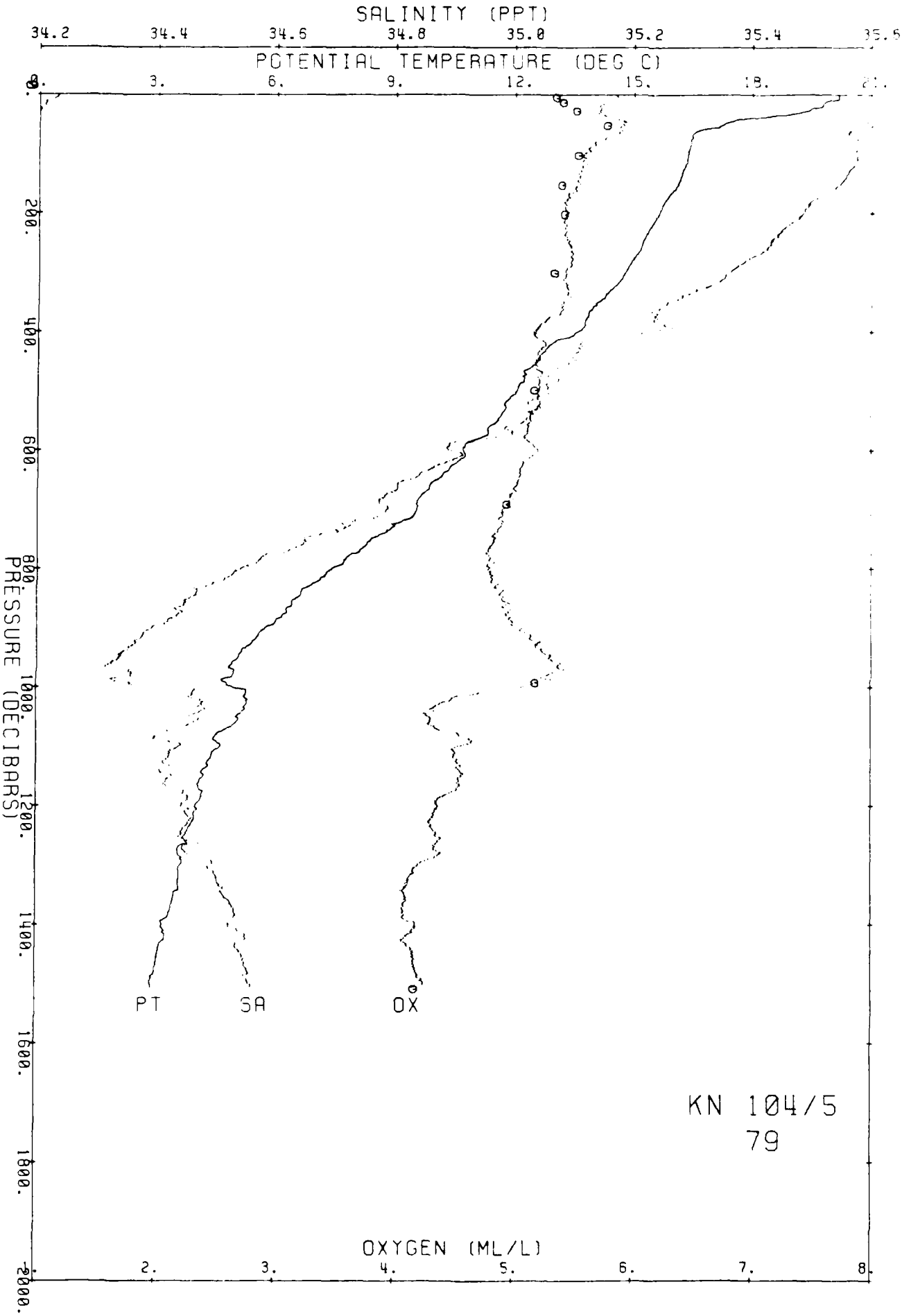
Ship KN Cruise 1045 Station 79 Cast 1 DT
Start 34 37.17 S 13 43.41 E at 1546 83/12/ 9
End 34 37.51 S 13 42.99 E at 1648

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	20.168	20.168	35.631	5.8	113.9	25.200	29.465	33.637	37.719	41.712	275.8	0.00	0.00	0.0
10	19.976	19.974	35.612	6.0	115.9	25.237	29.505	33.680	37.764	41.761	272.6	.03	3.40	10.0
20	19.749	19.745	35.614	5.7	110.4	25.299	29.571	33.749	37.837	41.836	267.2	.05	4.40	19.9
30	19.216	19.211	35.598	5.7	109.3	25.425	29.706	33.893	37.988	41.995	255.5	.08	6.31	29.9
40	17.836	17.829	35.573	5.8	109.0	25.754	30.057	34.266	38.383	42.410	224.5	.10	10.17	39.9
50	17.279	17.271	35.571	5.9	108.9	25.889	30.201	34.419	38.544	42.580	212.1	.13	6.50	49.8
60	16.655	16.646	35.566	5.9	107.5	26.034	30.357	34.585	38.720	42.766	198.6	.15	6.76	59.8
70	16.485	16.474	35.575	5.8	105.0	26.081	30.407	34.638	38.776	42.824	194.4	.17	3.86	69.8
80	16.444	16.432	35.579	5.7	102.9	26.094	30.421	34.652	38.791	42.840	193.6	.19	2.02	79.7
90	16.425	16.410	35.578	5.6	102.0	26.098	30.425	34.657	38.796	42.846	193.5	.21	1.15	89.7
100	16.396	16.380	35.578	5.6	101.2	26.105	30.433	34.665	38.805	42.855	193.2	.22	1.50	99.7
120	16.315	16.296	35.570	5.6	100.8	26.119	30.448	34.682	38.823	42.874	192.6	.26	1.45	119.6
140	16.209	16.187	35.557	5.5	100.2	26.134	30.465	34.701	38.844	42.897	191.8	.30	1.57	139.5
160	16.074	16.049	35.537	5.5	99.3	26.150	30.484	34.722	38.868	42.923	190.9	.34	1.62	159.4
180	15.809	15.781	35.499	5.4	97.1	26.183	30.521	34.764	38.914	42.974	188.4	.38	2.28	179.3
200	15.667	15.636	35.485	5.4	97.0	26.205	30.546	34.792	38.944	43.006	187.0	.42	1.88	199.2
220	15.496	15.462	35.462	5.4	96.8	26.226	30.571	34.820	38.975	43.040	185.5	.45	1.86	219.1
240	15.336	15.299	35.442	5.4	96.5	26.247	30.595	34.847	39.005	43.073	184.1	.49	1.85	239.0
260	15.208	15.169	35.426	5.5	97.2	26.264	30.614	34.868	39.029	43.099	183.2	.53	1.65	258.9
280	14.994	14.951	35.389	5.5	96.5	26.284	30.638	34.896	39.061	43.135	181.9	.56	1.80	278.8
300	14.833	14.788	35.363	5.4	95.2	26.299	30.657	34.918	39.086	43.163	180.9	.60	1.62	298.7
320	14.625	14.577	35.333	5.4	95.3	26.322	30.684	34.949	39.120	43.201	179.3	.64	1.93	318.6
340	14.330	14.280	35.282	5.5	95.1	26.346	30.714	34.985	39.162	43.248	177.4	.67	2.04	338.5
360	14.010	13.958	35.244	5.4	93.3	26.385	30.759	35.036	39.219	43.310	174.1	.71	2.54	358.4
380	13.840	13.785	35.234	5.3	90.6	26.414	30.791	35.071	39.257	43.352	171.9	.74	2.16	378.3
400	13.636	13.579	35.221	5.2	88.5	26.447	30.828	35.112	39.302	43.400	169.3	.77	2.32	398.2
450	12.649	12.588	35.097	5.2	86.8	26.551	30.952	35.256	39.464	43.580	160.0	.86	2.66	447.9
500	12.136	12.070	35.064	5.2	86.4	26.626	31.038	35.351	39.570	43.696	153.8	.94	2.24	497.6
550	11.648	11.577	35.018	5.1	84.4	26.684	31.106	35.429	39.658	43.793	149.2	1.01	1.99	547.3
600	10.795	10.721	34.890	5.2	83.7	26.741	31.181	35.523	39.768	43.920	144.1	1.08	2.05	596.9
650	10.119	10.042	34.819	5.0	79.8	26.804	31.259	35.616	39.875	44.041	138.4	1.16	2.13	646.6
700	9.639	9.558	34.787	4.9	76.9	26.861	31.327	35.693	39.963	44.138	133.5	1.22	2.00	696.2
750	8.486	8.405	34.646	4.8	73.9	26.935	31.427	35.820	40.115	44.314	125.7	1.29	2.42	745.8
800	7.482	7.402	34.541	4.8	71.4	27.001	31.517	35.933	40.250	44.471	118.7	1.35	2.30	795.4
900	5.822	5.743	34.393	5.1	72.7	27.105	31.663	36.118	40.474	44.732	107.1	1.46	2.09	894.6
1000	5.039	4.956	34.393	5.1	71.3	27.199	31.776	36.251	40.625	44.901	97.8	1.56	1.87	993.7
1100	4.700	4.610	34.439	4.5	63.3	27.275	31.860	36.343	40.725	45.009	91.0	1.66	1.62	1092.7
1200	4.097	4.004	34.445	4.4	60.1	27.344	31.946	36.444	40.841	45.139	83.8	1.75	1.65	1191.7
1300	3.746	3.647	34.499	4.2	57.3	27.424	32.034	36.541	40.946	45.252	76.3	1.83	1.68	1290.7
1400	3.282	3.179	34.523	4.2	56.4	27.488	32.110	36.629	41.046	45.363	69.6	1.90	1.59	1389.5
1500	2.997	2.890	34.557	4.2	56.7	27.542	32.172	36.698	41.122	45.446	64.3	1.97	1.42	1488.4
1507	3.006	2.898	34.567	4.1	55.2	27.549	32.178	36.704	41.128	45.452	63.7	1.97	1.74	1495.3

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	20.254	20.253	35.622	5.34	3.3	0.19	1.3	0.01	0.33	25.170	29.435	33.605	37.685	41.678	5.0
14	20.100	20.097	35.623	5.40	5.0	0.17	1.3		0.30	25.213	29.479	33.652	37.734	41.729	13.5
28	19.546	19.541	35.613	5.51	4.8	0.15	1.3	0.01	0.60	25.351	29.627	33.808	37.898	41.901	27.4
52	17.420	17.411	35.595	5.77	3.6	0.20	1.3	0.02	0.31	25.873	30.183	34.398	38.521	42.555	51.9
102	16.358	16.342	35.574	5.53	5.8	0.30	3.1	0.30	0.30	26.111	30.440	34.673	38.813	42.863	101.5
153	16.061	16.037	35.534	5.39	4.5	0.38	2.4	0.02	0.30	26.151	30.485	34.723	38.869	42.924	151.5
202	15.651	15.619	35.493	5.41	4.5	0.42	4.4	0.02	0.35	26.215	30.556	34.802	38.955	43.017	200.1
301	14.800	14.755	35.367	5.33	4.2	0.55	5.2	0.02	0.30	26.310	30.668	34.930	39.098	43.175	298.6
499	12.141	12.075	35.062	5.17	7.8	0.87	15.8	0.01	0.24	26.624	31.035	35.349	39.567	43.693	494.9
691	9.570	9.490	34.772	4.94	11.1	1.38	15.8		0.32	26.860	31.328	35.696	39.967	44.144	684.9
993	4.903	4.821	34.349	5.19	13.2	2.10	31.6		0.28	27.180	31.761	36.239	40.617	44.896	983.1
1509	3.008	2.899	34.561	4.17	31.9	2.50	42.0		0.44	27.544	32.174	36.699	41.123	45.447	1492.3


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
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OXYGEN (ML/L)
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KN 104/5
79

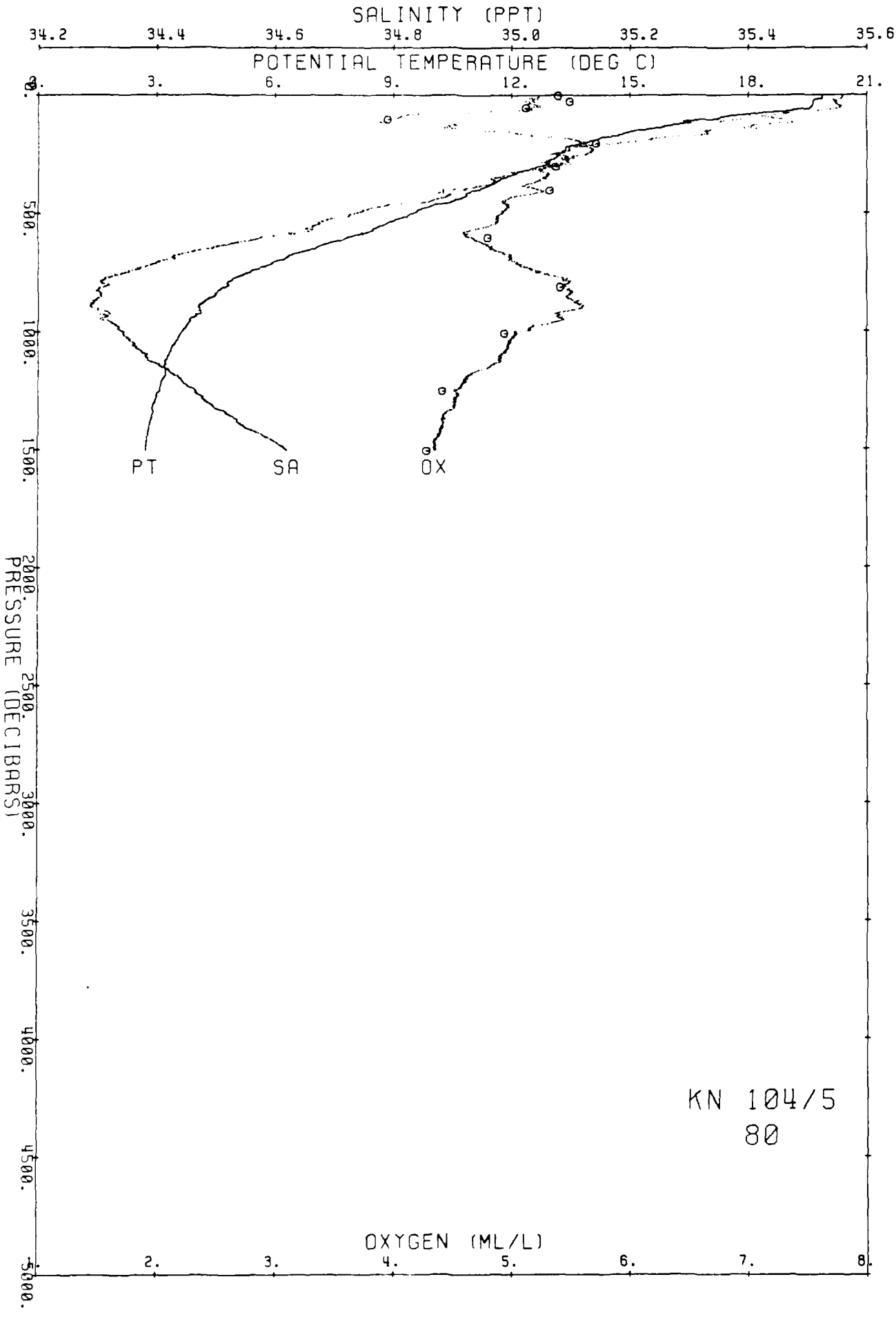

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
SALINITY (PPT)
34.1
34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
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4.2
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KN 104/5
79

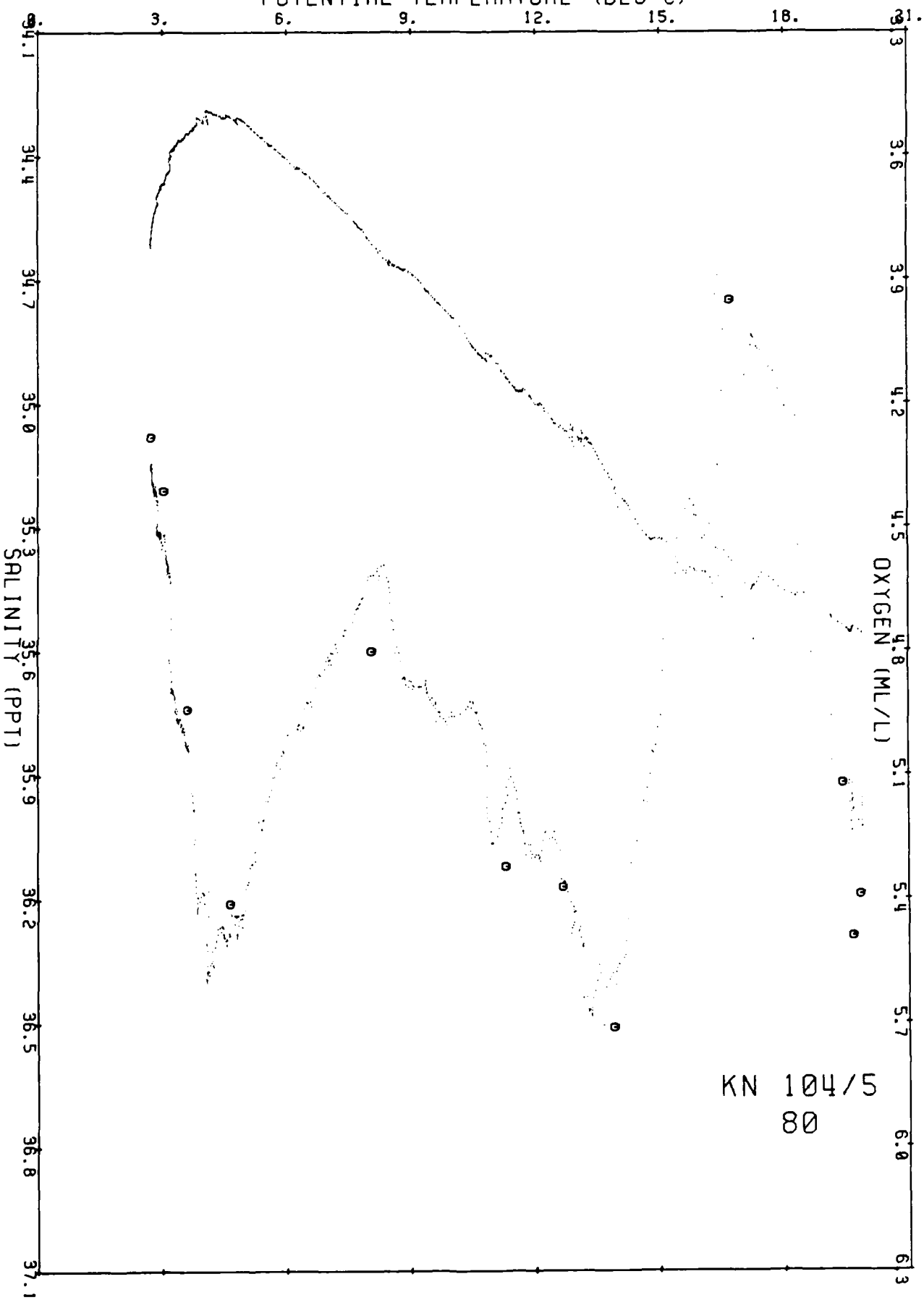

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
18.
21.
PRESSURE (DECIBARS)
0.
200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PT
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OX
KN 104/5
79
OXYGEN (ML/L)
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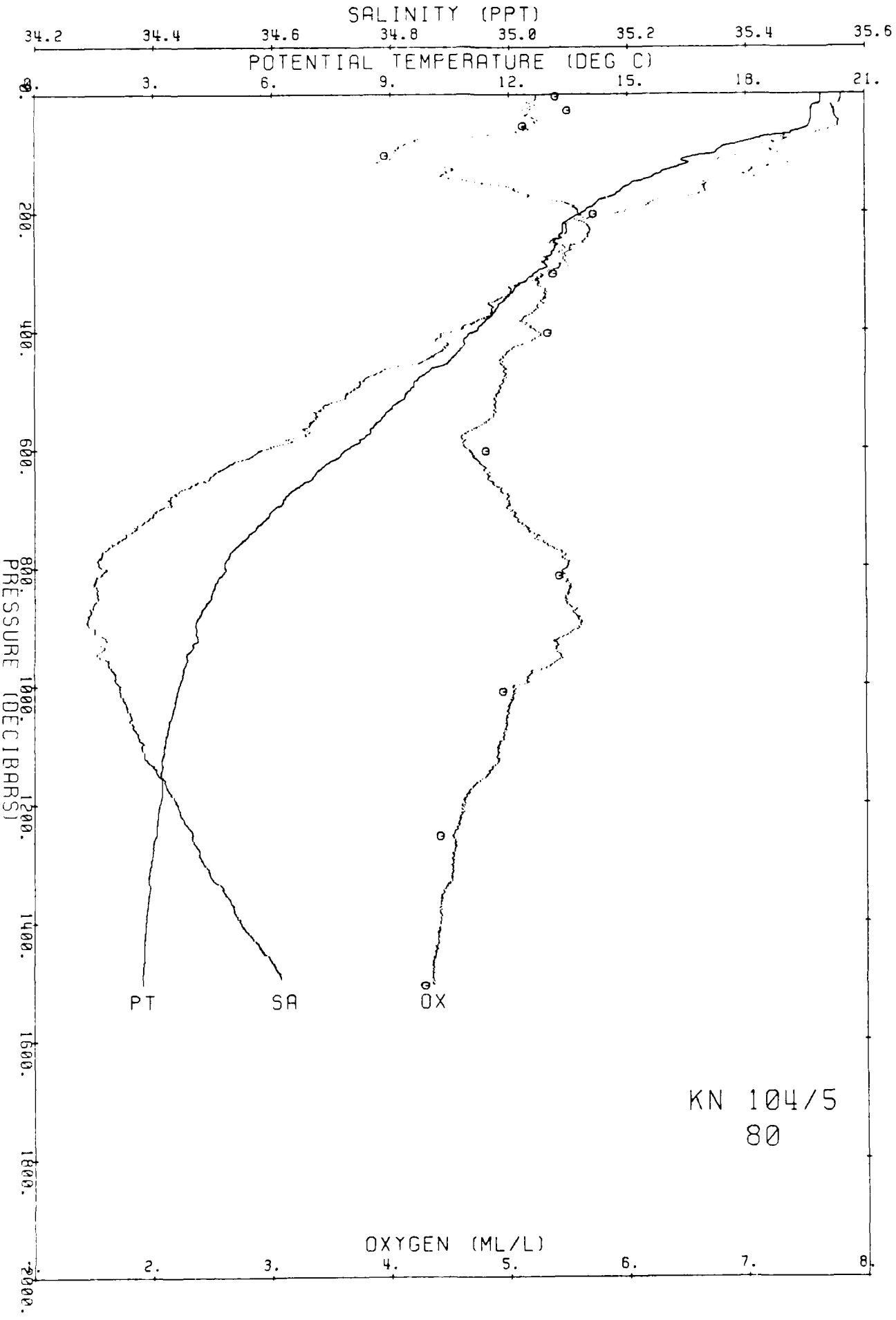
Ship KN Cruise 1045 Station 80 Cast 1 DT
Start 33 59.21 S 13 30.60 E at 2117 83/12/ 9
End 34 .37 S 13 28.99 E at 2215

PR	TE	PT	SA	DX	DS	S0	S1	S2	S3	S4	AN	HZ	BV	DE
0	19 881	19 881	35 560	5 4	101 3	25 222	29 492	33 669	37 754	41 752	273 7	0 00	0 00	0 0
10	19 885	19 884	35 559	5 2	101 1	25 220	29 491	33 667	37 753	41 751	274 2	03	68	10 0
20	19 691	19 688	35 543	5 2	100 1	25 259	29 533	33 713	37 801	41 802	270 9	05	3 51	19 9
30	19 655	19 650	35 549	5 2	101 1	25 274	29 548	33 728	37 817	41 819	269 9	08	2 14	29 9
40	19 653	19 645	35 550	5 2	100 1	25 276	29 550	33 730	37 820	41 821	270 1	11	77	39 9
50	19 619	19 610	35 555	5 2	101 1	25 289	29 563	33 744	37 834	41 836	269 3	14	2 02	49 9
60	19 434	19 424	35 539	5 2	99 4	25 325	29 603	33 787	37 879	41 884	266 2	16	3 39	59 8
70	18 696	18 684	35 464	4 8	91 1	25 457	29 747	33 943	38 047	42 063	253 9	19	6 46	69 8
80	18 052	18 039	35 456	4 2	76 8	25 613	29 913	34 119	38 233	42 258	239 4	21	7 00	79 8
90	17 423	17 407	35 424	4 1	75 2	25 743	30 054	34 270	38 394	42 429	227 4	24	6 41	89 7
100	17 251	17 234	35 454	4 1	74 8	25 808	30 122	34 340	38 467	42 504	221 6	26	4 52	99 7
120	16 430	16 410	35 454	4 3	78 9	26 003	30 331	34 564	38 703	42 753	203 6	30	5 55	119 6
140	15 666	15 645	35 414	4 5	79 6	26 148	30 493	34 736	38 889	42 951	190 3	34	4 80	139 5
160	14 883	14 859	35 330	5 0	88 7	26 258	30 615	34 875	39 041	43 117	180 3	38	4 19	159 4
180	14 292	14 266	35 249	5 4	93 1	26 324	30 692	34 963	39 141	43 227	174 6	41	3 26	179 4
200	13 897	13 868	35 185	5 6	96 0	26 359	30 734	35 013	39 198	43 292	171 7	45	2 38	199 3
220	13 393	13 362	35 097	5 7	96 3	26 395	30 781	35 070	39 265	43 367	168 7	48	2 47	219 2
240	13 314	13 280	35 085	5 7	96 3	26 403	30 790	35 081	39 277	43 381	168 5	52	1 10	239 1
260	13 193	13 157	35 094	5 5	93 5	26 435	30 825	35 117	39 316	43 422	166 0	55	2 26	259 0
280	12 962	12 924	35 064	5 5	92 2	26 458	30 853	35 151	39 353	43 464	164 2	58	1 98	278 9
300	12 742	12 702	35 062	5 4	89 9	26 501	30 900	35 202	39 409	43 523	160 6	61	2 63	298 8
320	12 299	12 257	35 018	5 2	87 1	26 554	30 962	35 273	39 488	43 611	155 9	65	2 96	318 6
340	12 037	11 993	34 998	5 3	87 6	26 590	31 003	35 319	39 539	43 667	152 9	68	2 41	338 5
360	11 748	11 701	34 972	5 2	86 1	26 625	31 044	35 366	39 592	43 725	149 9	71	2 41	358 4
380	11 463	11 415	34 949	5 1	83 4	26 660	31 086	35 413	39 645	43 784	146 8	74	2 44	378 3
400	11 275	11 225	34 934	5 2	84 9	26 679	31 110	35 444	39 682	43 826	145 4	77	1 80	398 2
450	10 553	10 498	34 858	4 9	78 8	26 755	31 200	35 547	39 797	43 954	138 9	84	2 27	447 9
500	9 872	9 815	34 798	4 4	76 9	26 829	31 297	35 665	39 936	44 112	132 0	91	2 30	497 6
550	9 219	9 159	34 671	4 8	74 2	26 899	31 384	35 768	40 055	44 247	125 6	97	2 22	547 2
600	8 461	8 403	34 583	4 6	70 2	26 962	31 466	35 870	40 176	44 387	119 6	1 03	2 15	596 9
650	7 712	7 655	34 495	4 8	71 1	27 020	31 546	35 971	40 297	44 527	113 7	1 09	2 12	646 5
700	6 934	6 881	34 422	5 0	71 8	27 079	31 629	36 076	40 424	44 675	107 4	1 14	2 17	696 1
750	6 421	6 368	34 349	5 2	74 2	27 117	31 685	36 150	40 515	44 782	103 2	1 20	1 79	745 7
800	4 467	4 403	34 312	5 5	76 7	27 152	31 734	36 213	40 592	44 872	99 5	1 25	1 70	795 3
850	4 129	4 060	34 241	5 6	76 6	27 216	31 817	36 315	40 712	45 009	93 0	1 34	1 58	894 5
900	3 719	3 645	34 345	5 1	68 6	27 301	31 913	36 421	40 827	45 134	85 0	1 43	1 72	993 5
1000	3 370	3 292	34 381	4 9	66 3	27 364	31 985	36 502	40 917	45 232	79 0	1 52	1 50	1092 6
1100	3 049	3 157	34 440	4 6	61 9	27 424	32 047	36 567	40 986	45 304	73 9	1 59	1 40	1191 6
1200	3 046	2 954	34 485	4 5	60 6	27 478	32 107	36 632	41 055	45 378	68 9	1 66	1 38	1290 5
1400	2 405	2 806	34 546	4 4	58 9	27 540	32 173	36 701	41 127	45 453	63 4	1 73	1 44	1389 4
1600	2 837	2 731	34 618	4 4	58 2	27 605	32 238	36 768	41 196	45 523	57 9	1 79	1 44	1488 2
1606	2 837	2 731	34 620	4 3	58 0	27 606	32 240	36 770	41 197	45 525	57 8	1 79	.92	1494 1

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	S0	S1	S2	S3	S4	DE
4	19 838	19 837	35 558	5 39	3 2	0 21	8 2	0 04	0 20	25 232	29 503	33 680	37 766	41 765	3 9
28	19 663	19 658	35 552	5 49	5 3	0 20	9 9	0 03		25 274	29 548	33 728	37 817	41 818	27 7
54	19 429	19 419	35 542	5 12	6 4	0 25	1 4	0 10		25 329	29 606	33 790	37 883	41 887	53 3
104	16 723	16 706	35 391	3 95	9 2	0 77	6 9	0 06		25 885	30 208	34 436	38 572	42 618	102 7
203	13 920	13 891	35 197	5 71	5 4	0 50	3 6	0 04		26 363	30 738	35 017	39 201	43 294	201 6
303	12 708	12 667	35 049	5 37	5 7	0 72	5 3	0 04		26 498	30 898	35 200	39 408	43 523	301 0
403	11 345	11 294	34 934	5 32	7 0	0 96	7 6	0 02	0 50	26 671	31 099	35 429	39 663	43 804	399 7
604	8 120	8 057	34 605	4 80	10 8	1 62	14 6	0 01		26 955	31 456	35 857	40 159	44 366	598 3
815	4 685	4 620	34 300	5 41	18 5	2 20	25 7		0 24	27 163	31 750	36 233	40 617	44 901	807 9
1011	3 669	3 595	34 337	4 94	35 0	2 32	32 8			27 300	31 912	36 422	40 830	45 138	1001 2
1255	3 129	3 040	34 462	4 41	41 6	2 42	28 1			27 452	32 079	36 602	41 023	45 344	1242 2
1507	2 835	2 728	34 611	4 28	44 4	2 42	26 1			27 599	32 233	36 763	41 191	45 518	1491 2


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
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6.
9.
12.
15.
18.
21.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
4500.
5000.
PRESSURE (DECIBARS)
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SA
OX
KN 104/5
80
OXYGEN (ML/L)
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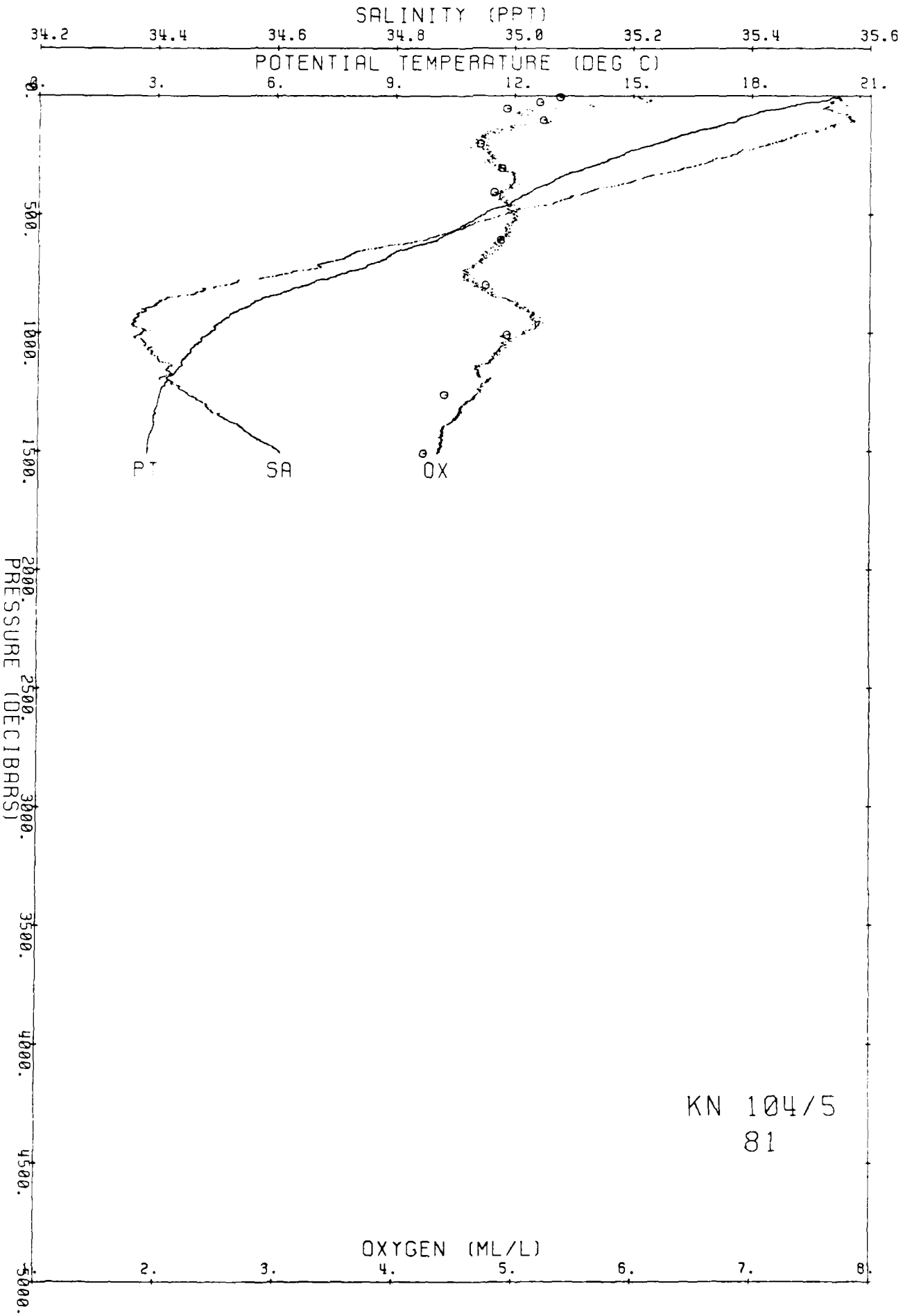

POTENTIAL TEMPERATURE (DEG C)
0.
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21.
SALINITY (PPT)
34.1
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35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
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5.7
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KN 104/5
80

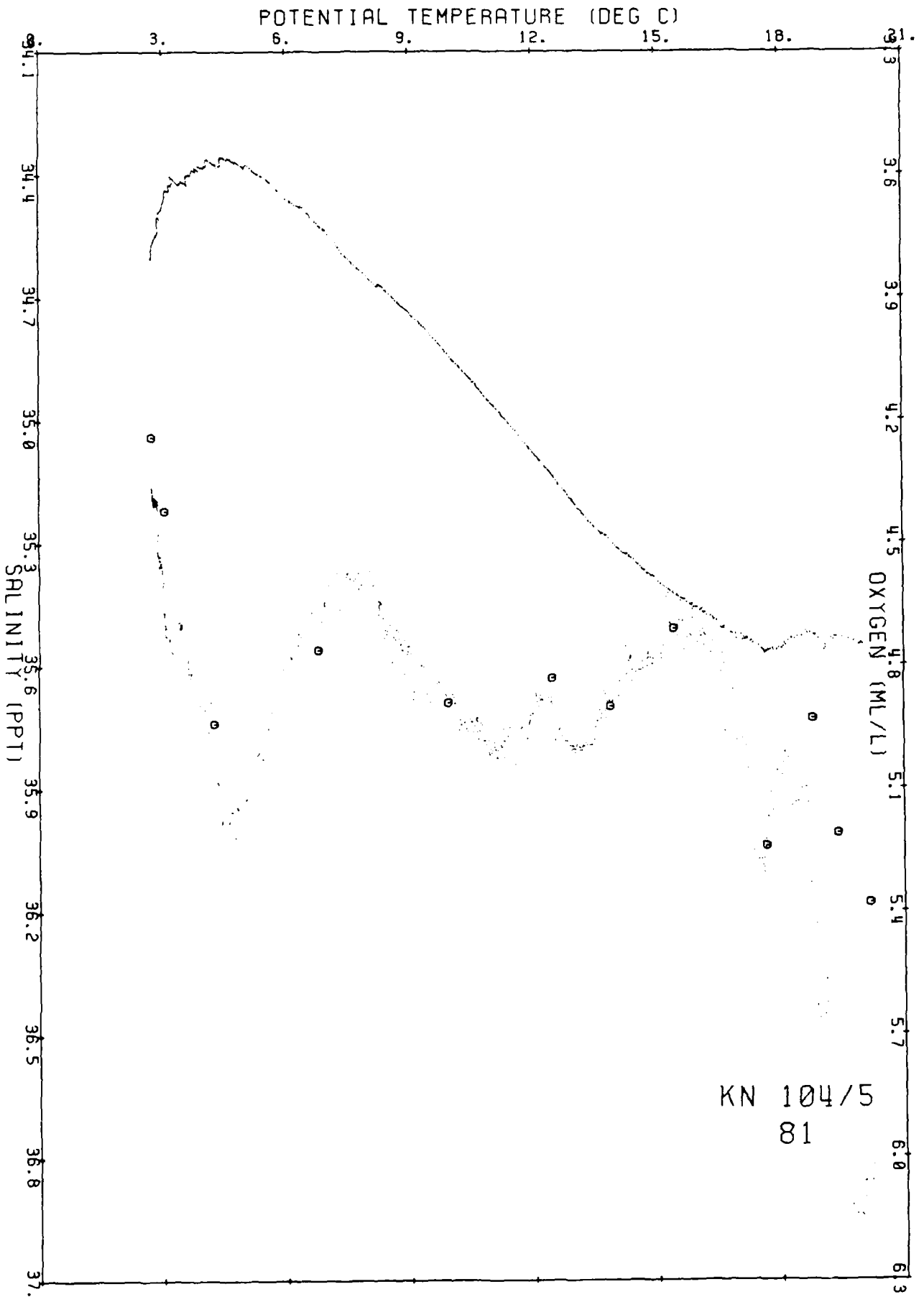

SALINITY (PPT)
34.2
34.4
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35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
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1400.
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2000.
PRESSURE (DECIBARS)
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SA
OX
KN 104/5
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OXYGEN (ML/L)
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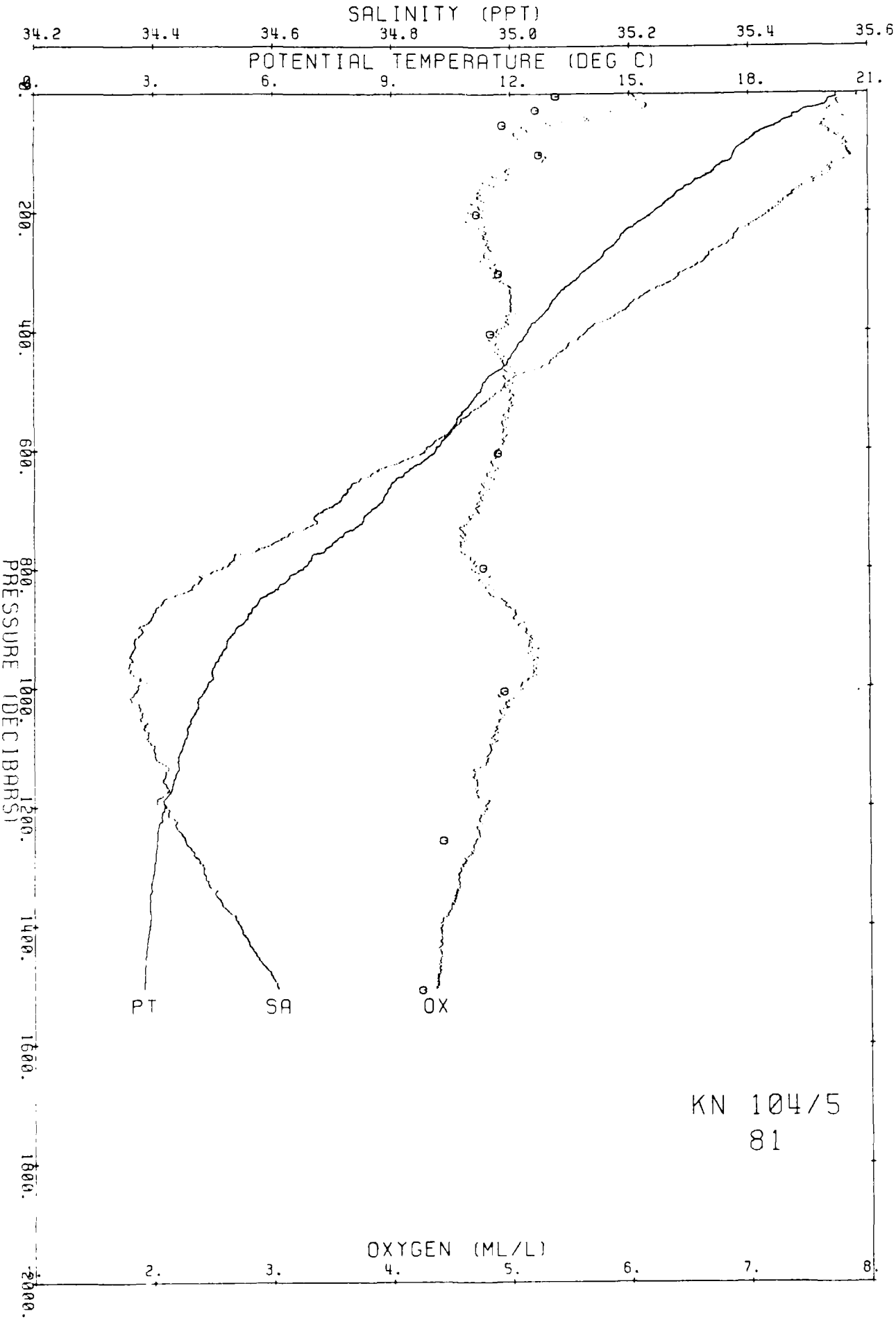
Ship KN Cruise 1045 Station 81 Cast 1 DT
Start 33 59.98 S 14 6.80 E at 231 83/12/10
End 33 59.01 S 14 6.82 E at 347

PR	TE	PT	SA	OX	CS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	20 201	20 201	35 583	6 0	117 4	25 155	29 420	33 592	37 673	41 666	280 1	0 00	0 00	0 0
10	20 015	20 014	35 550	6 1	117 8	25 179	29 447	33 622	37 706	41 702	278 1	03	2 77	10 0
20	19 917	19 914	35 551	6 1	119 1	25 206	29 476	33 652	37 738	41 735	276 0	06	2 92	19 9
30	19 336	19 331	35 532	5 8	112 2	25 344	29 623	33 808	37 902	41 908	263 2	08	6 58	29 9
40	19 108	19 101	35 559	5 6	107 5	25 424	29 706	33 895	37 992	42 001	256 0	11	5 01	39 9
50	18 817	18 809	35 527	5 3	100 4	25 474	29 762	33 955	38 057	42 070	251 6	13	3 98	49 9
60	18 449	18 438	35 532	5 1	96 9	25 571	29 865	34 064	38 171	42 190	242 7	16	5 54	59 8
70	18 144	18 132	35 551	5 0	94 4	25 663	29 961	34 165	38 277	42 300	234 4	18	5 36	69 8
80	17 982	17 969	35 558	5 1	95 6	25 708	30 009	34 216	38 330	42 356	230 4	21	3 80	79 8
90	17 774	17 759	35 561	5 1	95 2	25 762	30 067	34 276	38 394	42 423	225 6	23	4 12	89 7
100	17 669	17 652	35 568	5 2	97 6	25 794	30 100	34 311	38 431	42 461	223 0	25	3 16	99 7
120	17 312	17 291	35 541	5 1	94 0	25 861	30 173	34 390	38 516	42 552	217 3	29	3 25	119 6
140	16 876	16 853	35 524	4 9	89 0	25 953	30 272	34 497	38 630	42 672	209 2	34	3 81	139 5
160	16 391	16 366	35 484	4 7	86 0	26 036	30 365	34 598	38 739	42 789	201 8	38	3 65	159 4
180	15 987	15 959	35 458	4 8	85 6	26 110	30 446	34 686	38 834	42 891	195 4	42	3 43	179 4
200	15 637	15 606	35 436	4 6	82 9	26 174	30 516	34 762	38 916	42 979	189 9	46	3 18	199 3
220	15 202	15 169	35 405	4 8	84 1	26 248	30 598	34 852	39 013	43 083	183 4	49	3 45	219 2
240	14 831	14 795	35 377	4 8	84 0	26 308	30 666	34 927	39 094	43 171	178 1	53	3 12	239 1
260	14 562	14 524	35 350	4 8	84 1	26 347	30 709	34 975	39 147	43 229	175 0	57	2 49	259 0
280	14 287	14 246	35 327	4 8	82 6	26 389	30 756	35 027	39 205	43 291	171 5	60	2 60	278 9
300	13 892	13 849	35 290	4 9	84 1	26 444	30 819	35 098	39 283	43 376	166 7	63	3 00	298 8
320	13 561	13 515	35 262	4 9	84 7	26 492	30 873	35 159	39 349	43 448	162 6	67	2 79	318 7
340	13 228	13 180	35 222	5 0	85 0	26 529	30 918	35 209	39 406	43 511	159 4	70	2 50	338 6
360	13 020	12 970	35 197	5 0	84 6	26 552	30 945	35 241	39 442	43 551	157 7	73	1 96	358 4
380	12 751	12 699	35 164	5 0	83 6	26 581	30 979	35 280	39 486	43 600	155 4	76	2 19	378 3
400	12 504	12 450	35 130	4 9	81 6	26 604	31 007	35 313	39 524	43 643	153 6	79	1 97	398 2
450	11 991	11 932	35 067	4 9	81 6	26 655	31 069	35 386	39 607	43 735	149 7	87	1 87	447 9
500	11 308	11 244	34 984	5 0	81 4	26 719	31 148	35 479	39 713	43 855	144 2	94	2 11	497 6
550	10 724	10 656	34 917	4 9	79 3	26 773	31 215	35 558	39 804	43 957	139 7	1 01	1 95	547 3
600	10 173	10 101	34 856	4 9	77 7	26 823	31 276	35 631	39 889	44 053	135 6	1 08	1 88	596 9
650	9 170	9 098	34 746	4 9	75 7	26 904	31 380	35 757	40 037	44 221	127 7	1 15	2 44	646 6
700	8 560	8 484	34 686	4 7	72 1	26 954	31 444	35 835	40 128	44 325	123 1	1 21	1 93	696 2
750	7 707	7 631	34 614	4 6	69 4	27 025	31 536	35 946	40 258	44 473	115 9	1 27	2 32	745 8
800	6 823	6 747	34 512	4 7	68 4	27 069	31 601	36 032	40 364	44 599	111 0	1 33	1 95	795 4
900	5 126	5 051	34 378	5 1	72 2	27 176	31 751	36 224	40 596	44 870	98 9	1 43	2 12	894 6
1000	4 395	4 317	34 374	5 1	70 4	27 255	31 849	36 339	40 729	45 020	91 0	1 53	1 73	993 6
1100	3 796	3 714	34 401	4 8	65 8	27 339	31 948	36 454	40 858	45 164	82 6	1 61	1 77	1092 7
1200	3 345	3 258	34 420	4 8	64 4	27 398	32 019	36 537	40 953	45 269	76 6	1 69	1 51	1191 7
1300	3 107	3 015	34 483	4 6	61 6	27 471	32 098	36 622	41 043	45 365	69 8	1 77	1 58	1290 6
1400	2 984	2 885	34 543	4 4	58 9	27 531	32 161	36 687	41 112	45 436	64 6	1 83	1 41	1389 5
1500	2 862	2 756	34 605	4 4	58 3	27 592	32 225	36 754	41 181	45 508	59 2	1 90	1 43	1488 3
1507	2 862	2 755	34 607	4 4	58 1	27 594	32 227	36 756	41 183	45 510	59 1	1 90	86	1495 2

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	20 160	20 159	35 589	5 38	2 9	0 30	0 9	0 01	0 45	25 170	29 436	33 608	37 690	41 684	4 8
28	19 391	19 386	35 536	5 21	5 4	0 21	1 3	0 17	0 38	25 333	29 611	33 795	37 888	41 893	27 9
53	18 799	18 790	35 529	4 93	4 9	0 30	2 7	0 14	0 20	25 480	29 768	33 962	38 064	42 077	52 5
103	17 664	17 646	35 574	5 24	6 6	0 30	3 1	0 03		25 800	30 106	34 317	38 437	42 467	102 6
204	15 444	15 412	35 427	4 71	6 6	0 64	4 8	0 01		26 210	30 556	34 806	38 963	43 029	202 0
303	13 915	13 871	35 296	4 90	6 8	0 73	11 7			26 444	30 819	35 097	39 281	43 374	301 0
404	12 525	12 470	35 135	4 83	6 8	0 95	13 9			26 603	31 007	35 312	39 523	43 641	400 9
606	10 008	9 936	34 837	4 89	10 3	1 30	18 2			26 836	31 293	35 652	39 913	44 081	600 2
799	6 856	6 779	34 516	4 76	16 2	1 89	17 1			27 058	31 599	36 030	40 361	44 595	791 3
1007	4 327	4 248	34 364	4 94	26 4	2 27	21 5			27 254	31 850	36 342	40 734	45 027	997 0
1258	3 160	3 070	34 444	4 42	46 5	2 55	27 6			27 435	32 061	36 583	41 003	45 324	1244 9
1509	2 859	2 752	34 600	4 24	39 3	2 47	19 1			27 588	32 222	36 751	41 178	45 505	1492 7


SALINITY (PPT)
34.2
34.4
34.6
34.8
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35.6
POTENTIAL TEMPERATURE (DEG C)
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3500.
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4500.
5000.
PRESSURE (DECIBARS)
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KN 104/5
81
OXYGEN (ML/L)
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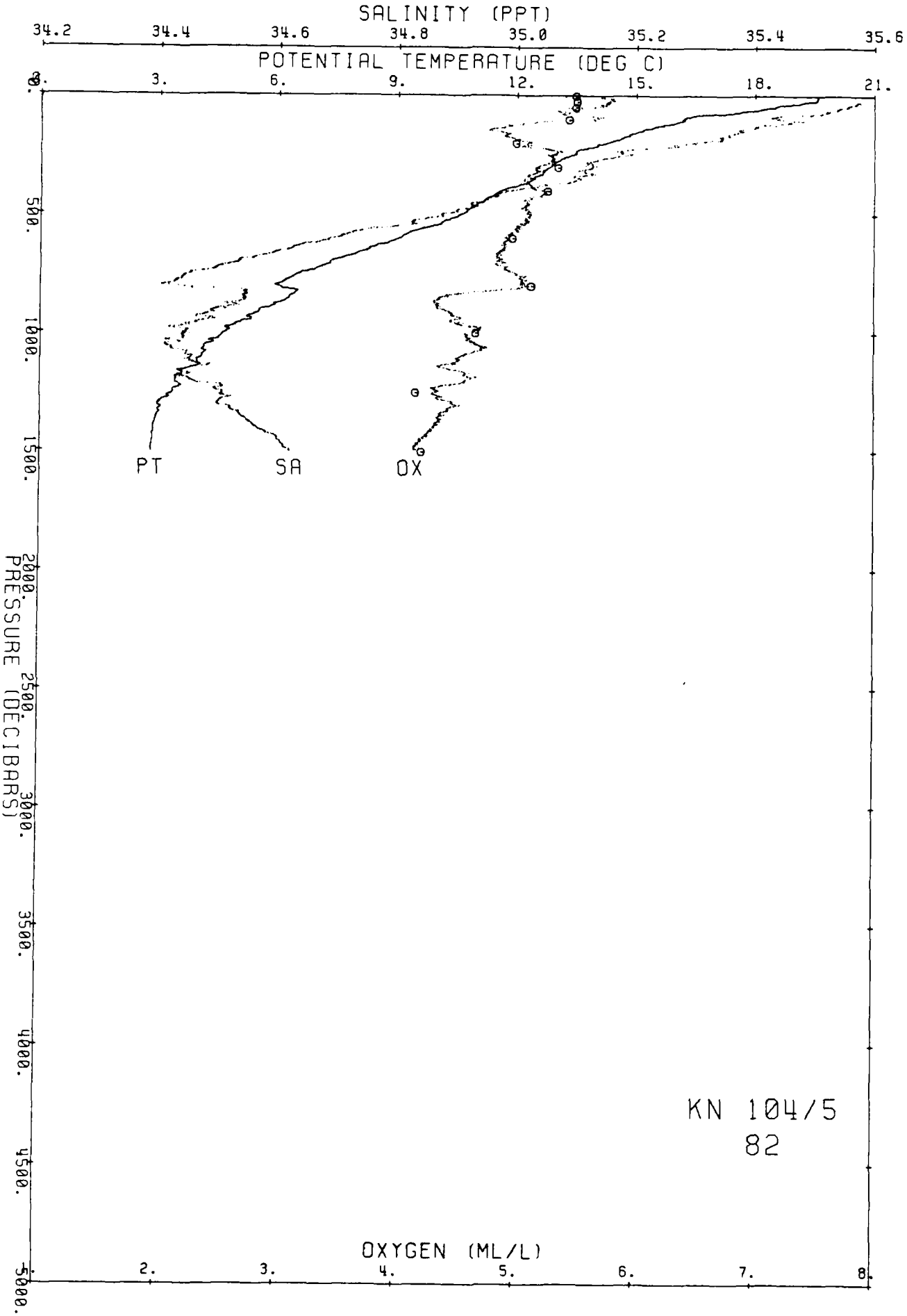

POTENTIAL TEMPERATURE (DEG C)
0.
3.
6.
9.
12.
15.
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21.
SALINITY (PPT)
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34.4
34.7
35.0
35.3
35.6
35.9
36.2
36.5
36.8
37.1
OXYGEN (ML/L)
3.3
3.6
3.9
4.2
4.5
4.8
5.1
5.4
5.7
6.0
6.3
KN 104/5
81

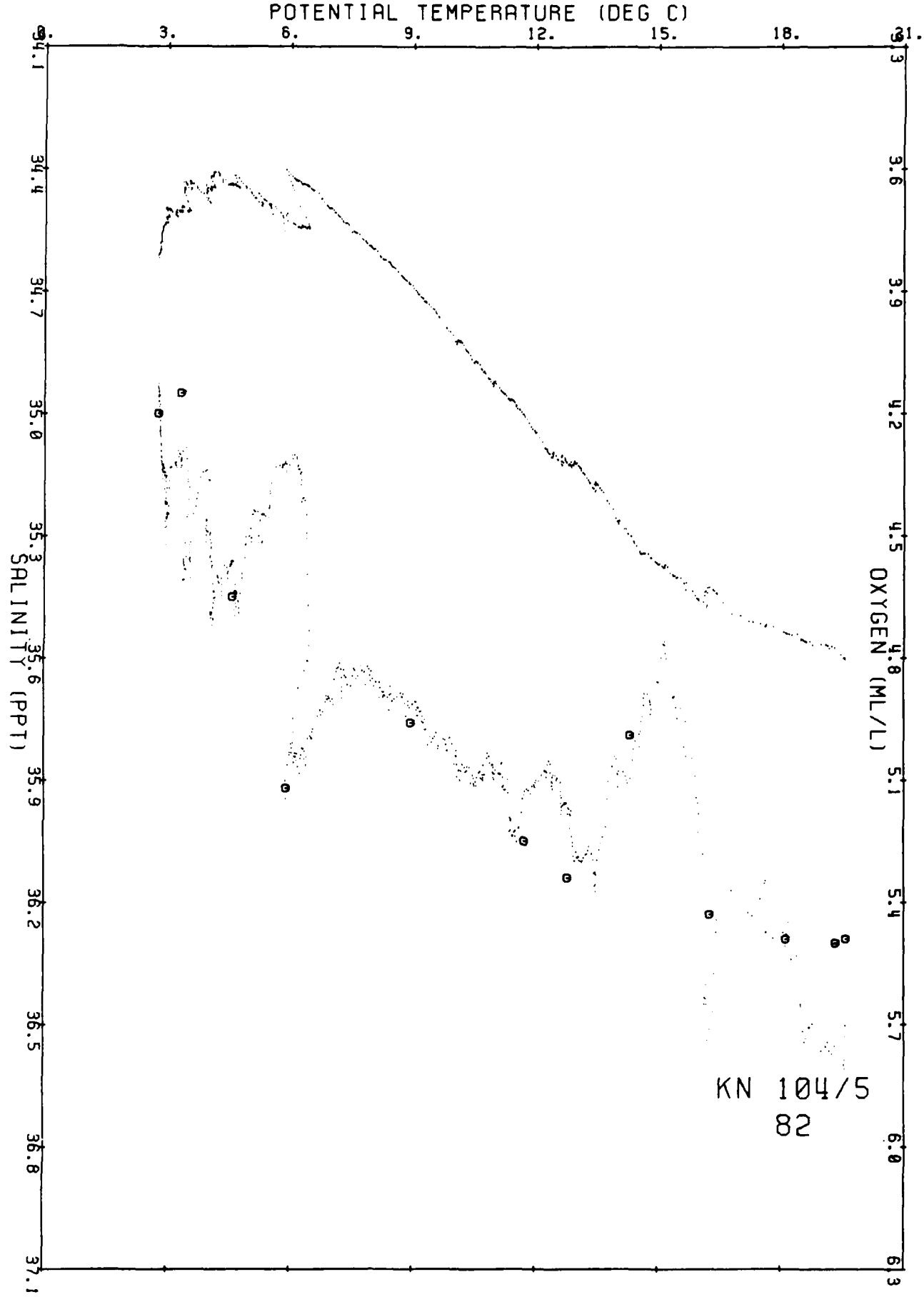

SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
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21.
PRESSURE (DECIBARS)
0.
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400.
600.
800.
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1200.
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KN 104/5
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OXYGEN (ML/L)
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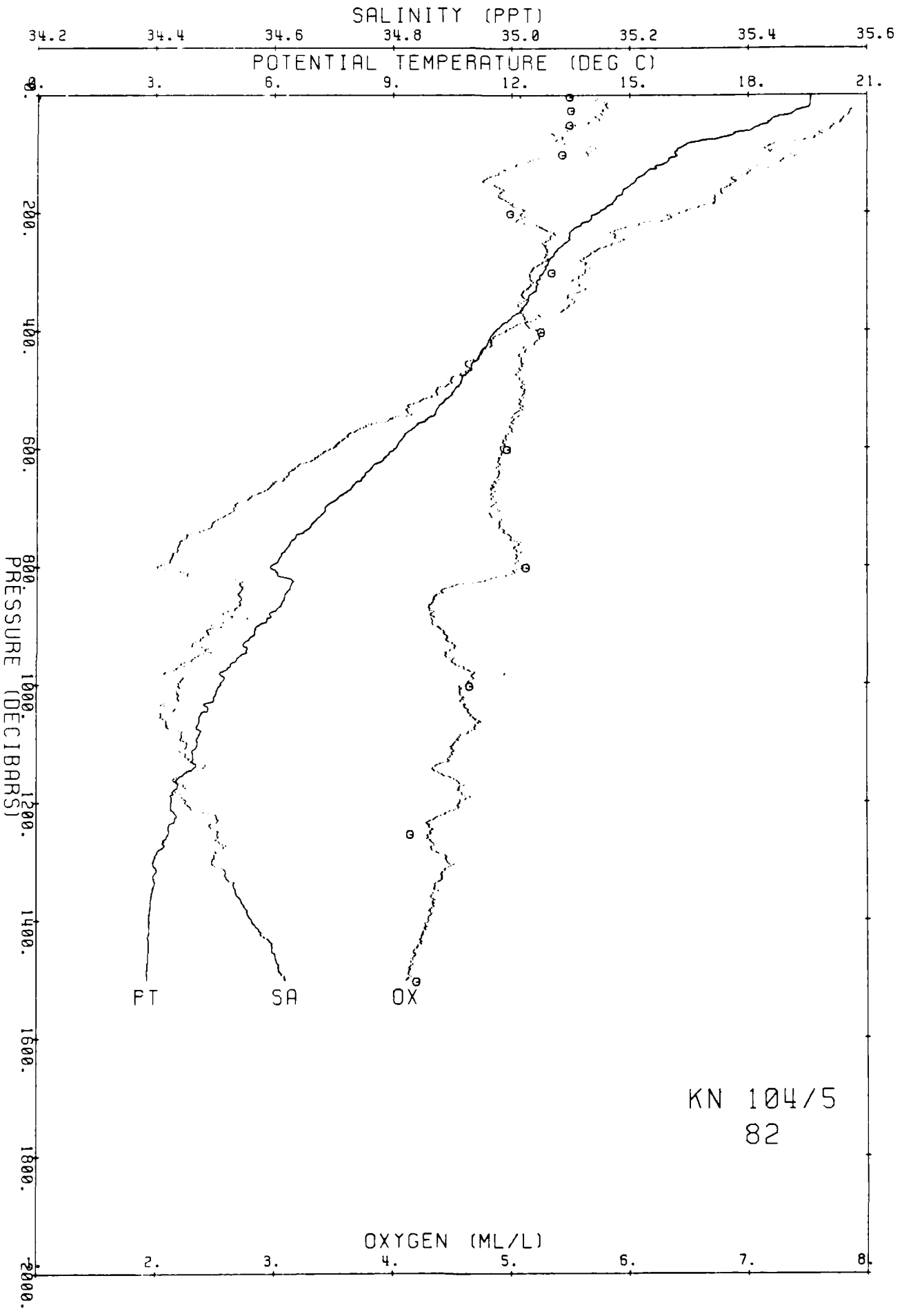
Ship KN Cruise 1045 Station 82 Cast 1 DT
Start 33 59.97 S 14 42.34 E at 658 83/12/10
End 34 .12 S 14 44.02 E at 820

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	19.585	19.585	35.603	5.1	97.8	25.332	29.607	33.788	37.878	41.879	263.2	0.00	0.00	0.0
10	19.571	19.570	35.601	5.7	110.4	25.335	29.610	33.791	37.881	41.883	263.3	.03	.88	10.0
20	19.557	19.554	35.600	5.8	111.8	25.338	29.613	33.795	37.885	41.887	263.4	.05	1.03	19.9
30	19.148	19.143	35.570	5.7	109.8	25.422	29.703	33.891	37.988	41.996	255.8	.08	5.13	29.9
40	18.627	18.620	35.560	5.7	108.6	25.547	29.837	34.033	38.138	42.154	244.3	.10	6.28	39.9
50	18.403	18.394	35.542	5.5	104.3	25.590	29.884	34.084	38.192	42.211	240.5	.13	3.69	49.8
60	18.080	18.070	35.537	5.5	102.6	25.667	29.967	34.171	38.285	42.309	233.6	.15	4.92	59.8
70	17.514	17.502	35.516	5.4	99.9	25.791	30.100	34.314	38.436	42.469	222.1	.17	6.24	69.8
80	16.605	16.592	35.463	5.4	98.1	25.967	30.292	34.521	38.658	42.705	205.6	.20	7.46	79.7
90	16.281	16.267	35.427	5.7	103.3	26.016	30.346	34.581	38.724	42.776	201.3	.22	3.92	89.7
100	16.170	16.154	35.446	5.6	102.0	26.056	30.389	34.626	38.770	42.824	197.8	.24	3.58	99.7
120	15.726	15.707	35.415	5.0	90.2	26.135	30.475	34.720	38.872	42.933	190.9	.27	3.53	119.6
140	15.257	15.236	35.376	4.8	85.1	26.211	30.560	34.813	38.973	43.042	184.3	.31	3.48	139.5
160	14.879	14.855	35.355	4.9	86.6	26.278	30.635	34.895	39.061	43.137	178.4	.35	3.28	159.4
180	14.632	14.605	35.345	5.0	86.7	26.325	30.686	34.951	39.122	43.202	174.6	.38	2.73	179.3
200	14.242	14.213	35.284	5.1	88.3	26.362	30.731	35.003	39.181	43.268	171.5	.42	2.46	199.2
220	13.796	13.765	35.217	5.1	88.4	26.405	30.782	35.063	39.250	43.345	167.9	.45	2.64	219.1
240	13.510	13.476	35.176	5.3	90.9	26.433	30.816	35.103	39.295	43.395	165.7	.49	2.15	239.0
260	13.239	13.203	35.150	5.3	89.8	26.469	30.857	35.149	39.346	43.451	162.8	.52	2.41	258.9
280	13.001	12.963	35.116	5.3	89.5	26.491	30.885	35.171	39.382	43.492	161.2	.55	1.92	278.8
300	12.857	12.816	35.126	5.2	87.1	26.528	30.924	35.223	39.428	43.540	158.1	.58	2.44	298.7
320	12.723	12.679	35.120	5.2	86.7	26.551	30.950	35.251	39.458	43.573	156.5	.61	1.91	318.6
340	12.490	12.444	35.096	5.1	85.0	26.578	30.982	35.289	39.500	43.619	154.3	.65	2.14	338.5
360	12.356	12.308	35.094	5.1	84.7	26.603	31.010	35.319	39.533	43.654	152.4	.68	2.02	358.4
380	12.025	11.975	35.041	5.1	84.5	26.626	31.040	35.356	39.576	43.704	150.5	.71	2.00	378.3
400	11.663	11.611	34.990	5.2	85.6	26.656	31.077	35.400	39.628	43.763	148.0	.74	2.24	398.2
450	11.167	11.111	34.937	5.1	82.5	26.707	31.139	35.472	39.710	43.854	144.0	.81	1.87	447.9
500	10.624	10.563	34.875	5.1	82.0	26.757	31.201	35.546	39.795	43.950	140.0	.88	1.87	497.5
550	9.933	9.869	34.799	5.0	79.4	26.818	31.277	35.637	39.900	44.069	134.6	.95	2.08	547.2
600	9.138	9.071	34.699	4.9	76.1	26.871	31.349	35.726	40.007	44.192	129.6	1.02	2.00	596.9
650	8.286	8.218	34.616	4.9	74.1	26.940	31.437	35.834	40.133	44.336	123.0	1.08	2.25	646.5
700	7.358	7.289	34.532	4.8	72.1	27.010	31.529	35.947	40.267	44.491	115.9	1.14	2.31	696.1
750	6.617	6.547	34.453	5.0	73.0	27.050	31.587	36.023	40.360	44.600	111.7	1.19	1.82	745.7
800	5.978	5.907	34.402	5.1	74.1	27.092	31.645	36.097	40.449	44.703	107.3	1.25	1.85	795.3
900	5.700	5.621	34.494	4.3	62.0	27.200	31.760	36.218	40.576	44.836	98.0	1.35	1.88	894.5
1000	4.747	4.666	34.444	4.6	64.6	27.273	31.857	36.338	40.719	45.001	90.2	1.45	1.73	993.6
1100	4.158	4.073	34.454	4.5	62.4	27.344	31.944	36.440	40.835	45.131	83.1	1.53	1.65	1092.6
1200	3.491	3.403	34.450	4.6	61.8	27.408	32.025	36.539	40.951	45.263	76.1	1.61	1.62	1191.6
1300	3.051	2.960	34.496	4.5	59.8	27.487	32.115	36.640	41.063	45.385	68.2	1.68	1.70	1290.5
1400	2.946	2.847	34.562	4.3	57.6	27.549	32.180	36.708	41.133	45.458	62.7	1.75	1.44	1389.4
1500	2.901	2.795	34.619	4.1	55.2	27.600	32.232	36.760	41.186	45.512	58.6	1.81	1.27	1488.2
1502	2.900	2.793	34.619	4.1	55.0	27.600	32.232	36.760	41.186	45.512	58.6	1.81	-9.99	1490.2

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
4	19.588	19.587	35.604	5.49	5.0	0.15	1.0	0.01	0.20	25.332	29.607	33.788	37.878	41.879	3.7
27	19.334	19.329	35.603	5.50	4.8	0.12	1.0	0.04		25.399	29.677	33.862	37.956	41.961	26.3
51	18.129	18.120	35.543	5.49	5.3	0.17	1.1	0.08		25.659	29.958	34.162	38.274	42.298	50.9
102	16.277	16.261	35.481	5.43	3.1	0.29	1.9	0.29		26.058	30.389	34.624	38.766	42.818	101.0
202	14.341	14.311	35.317	4.99	7.4	0.63	7.0	0.03		26.367	30.733	35.004	39.180	43.265	200.4
302	12.824	12.783	35.108	5.34	6.0	0.75	6.6	0.02		26.521	30.918	35.218	39.423	43.535	299.9
403	11.786	11.734	35.017	5.25	7.3	0.92	10.4	0.02		26.654	31.072	35.393	39.618	43.750	399.6
602	9.015	8.948	34.690	4.96	10.2	1.43	17.9	0.02	0.31	26.884	31.364	35.745	40.028	44.215	597.0
803	5.969	5.898	34.401	5.12	14.3	1.94	19.6	0.01	0.20	27.093	31.646	36.098	40.450	44.705	795.4
1004	4.664	4.583	34.432	4.65	31.5	2.32	26.9	0.01		27.272	31.858	36.342	40.725	45.009	993.9
1255	3.423	3.331	34.502	4.15	36.8	2.51	23.3			27.457	32.075	36.590	41.004	45.317	1242.3
1505	2.890	2.783	34.619	4.20	55.5	2.49	32.2		0.25	27.601	32.233	36.761	41.188	45.514	1489.0


SALINITY (PPT)
34.2
34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
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21.
PT
SA
OX
PRESSURE (DECIBARS)
500.
1000.
1500.
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3000.
3500.
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OXYGEN (ML/L)
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KN 104/5
82

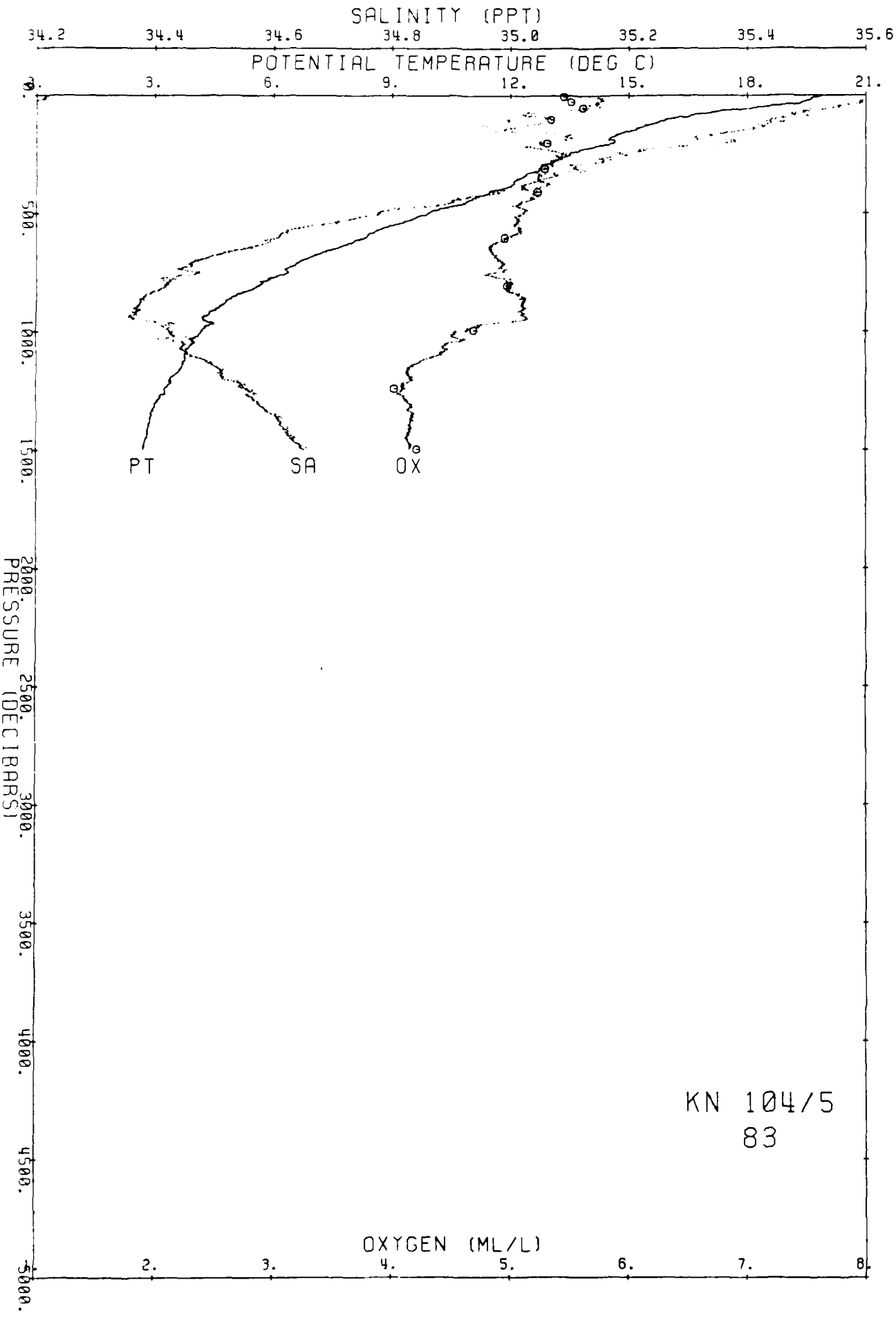

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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34.7
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35.3
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35.9
36.2
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36.8
37.1
OXYGEN (ML/L)
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KN 104/5
82

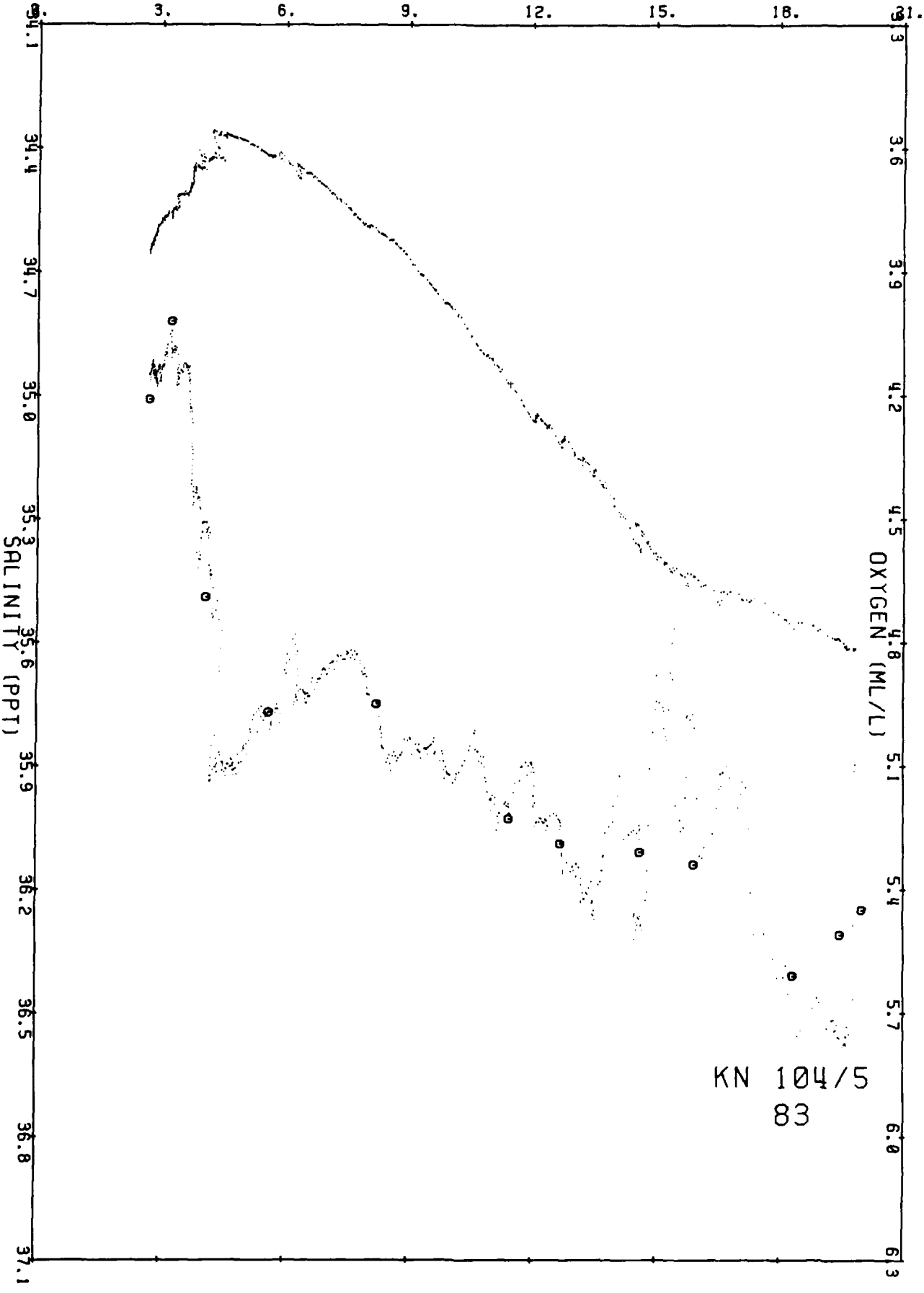

SALINITY (PPT)
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34.4
34.6
34.8
35.0
35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
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6.
9.
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15.
18.
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200.
400.
600.
800.
1000.
1200.
1400.
1600.
1800.
2000.
PRESSURE (DECIBARS)
PT
SA
OX
KN 104/5
82
OXYGEN (ML/L)
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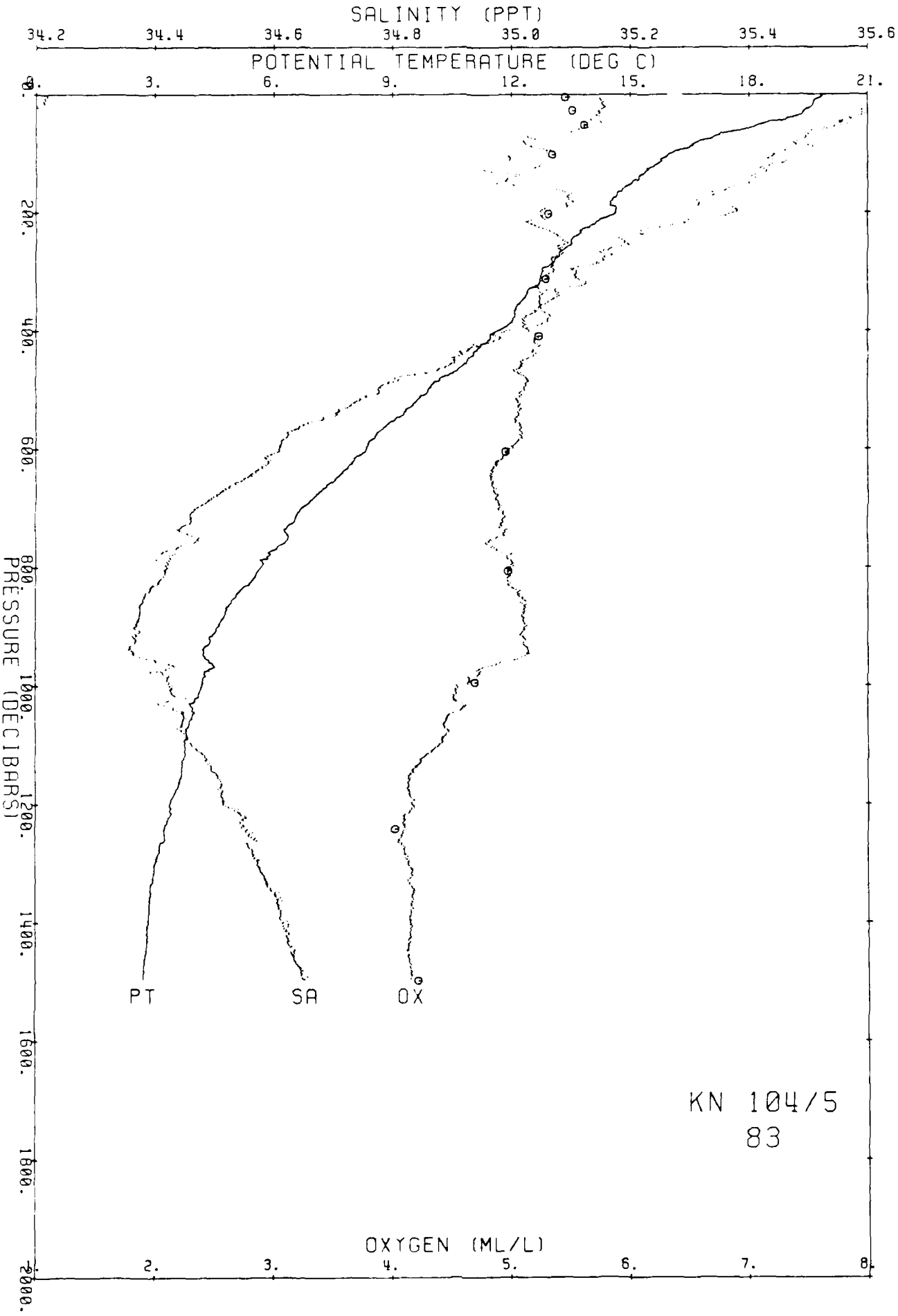
Ship KN Cruise 1045 Station 83 Cast 1 DT
Start 34 .18 S 15 18.14 E at 1110 83/12/10
End 34 1.06 S 15 18.38 E at 1243

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	19.844	19.844	35.615	5.1	98.8	25.273	29.544	33.721	37.807	41.805	268.8	0.00	0.00	0.0
10	19.653	19.652	35.616	5.7	110.7	25.325	29.598	33.778	37.867	41.867	264.3	0.03	4.01	10.0
20	19.584	19.580	35.610	5.8	111.4	25.339	29.613	33.794	37.884	41.886	263.3	0.05	2.10	19.9
30	19.382	19.377	35.591	5.7	110.3	25.377	29.655	33.839	37.932	41.937	260.1	0.08	3.47	29.9
40	18.990	18.983	35.569	5.7	108.2	25.462	29.746	33.936	38.035	42.046	252.4	0.10	5.16	39.9
50	18.356	18.348	35.566	5.7	107.6	25.620	29.915	34.115	38.224	42.244	237.7	0.13	7.06	49.9
60	17.868	17.858	35.526	5.6	103.9	25.711	30.014	34.223	38.339	42.366	229.4	0.15	5.36	59.8
70	17.219	17.207	35.496	5.2	95.0	25.846	30.160	34.380	38.506	42.544	216.8	0.17	6.53	69.8
80	16.750	16.736	35.481	5.1	93.1	25.947	30.269	34.496	38.631	42.675	207.5	0.20	5.64	79.7
90	16.516	16.502	35.502	5.2	94.6	26.018	30.344	34.575	38.713	42.762	201.1	0.22	4.74	89.7
100	16.032	16.016	35.448	5.2	93.2	26.090	30.424	34.664	38.810	42.866	194.6	0.24	4.75	99.7
120	15.648	15.630	35.436	5.3	93.9	26.168	30.510	34.756	38.909	42.972	187.7	0.27	3.53	119.6
140	15.237	15.216	35.405	5.0	88.7	26.237	30.587	34.840	39.000	43.070	181.8	0.31	3.31	139.5
160	14.841	14.817	35.355	5.4	94.1	26.287	30.644	34.905	39.072	43.148	177.6	0.35	2.82	159.4
180	14.573	14.546	35.311	5.5	96.0	26.312	30.674	34.940	39.112	43.193	175.8	0.38	2.01	179.3
200	14.666	14.637	35.375	5.3	92.0	26.341	30.702	34.966	39.136	43.215	173.7	0.42	2.15	199.2
220	14.139	14.107	35.284	5.2	89.5	26.385	30.755	35.029	39.209	43.298	170.0	0.45	2.67	219.1
240	13.668	13.634	35.206	5.4	92.3	26.424	30.804	35.087	39.276	43.373	166.7	0.49	2.53	239.0
260	13.404	13.368	35.169	5.4	92.2	26.450	30.835	35.124	39.318	43.420	164.7	0.52	2.08	258.9
280	13.137	13.099	35.154	5.3	90.4	26.493	30.884	35.177	39.376	43.483	161.0	0.55	2.64	278.8
300	12.821	12.780	35.109	5.4	90.2	26.522	30.919	35.219	39.424	43.537	158.7	0.58	2.20	298.7
320	12.748	12.705	35.126	5.2	88.0	26.550	30.949	35.250	39.456	43.570	156.5	0.62	2.12	318.6
340	12.399	12.353	35.080	5.2	87.3	26.584	30.989	35.298	39.511	43.631	153.7	0.65	2.37	338.5
360	12.162	12.114	35.044	5.2	86.9	26.602	31.013	35.326	39.544	43.669	152.4	0.68	1.77	358.4
380	12.083	12.033	35.061	5.1	84.3	26.631	31.043	35.358	39.577	43.703	150.1	0.71	2.15	378.3
400	11.661	11.610	34.991	5.1	84.4	26.657	31.078	35.401	39.629	43.764	147.9	0.74	2.14	398.2
450	10.944	10.888	34.902	5.1	82.4	26.720	31.157	35.495	39.737	43.886	142.5	0.81	2.09	447.9
500	9.960	9.902	34.776	5.1	80.7	26.794	31.253	35.612	39.875	44.044	135.7	0.88	2.30	497.5
550	9.125	9.064	34.681	5.0	78.0	26.859	31.336	35.714	39.995	44.180	129.8	0.95	2.16	547.2
600	8.398	8.335	34.609	5.0	75.9	26.916	31.411	35.805	40.102	44.303	124.4	1.01	2.06	596.9
650	7.617	7.552	34.549	4.8	72.2	26.986	31.499	35.911	40.225	44.442	117.7	1.07	2.25	646.5
700	6.770	6.704	34.469	4.9	71.7	27.041	31.575	36.007	40.340	44.577	112.0	1.13	2.08	696.1
750	6.425	6.356	34.473	4.9	70.8	27.091	31.632	36.073	40.414	44.658	107.6	1.18	1.86	745.7
800	5.739	5.669	34.422	5.0	71.1	27.138	31.697	36.154	40.511	44.770	102.6	1.23	1.94	795.3
900	4.661	4.589	34.367	5.1	71.3	27.220	31.807	36.291	40.674	44.959	93.9	1.33	1.82	894.5
1000	4.269	4.192	34.426	4.5	62.6	27.310	31.906	36.400	40.792	45.086	85.6	1.42	1.76	993.5
1100	3.837	3.754	34.462	4.4	59.9	27.383	31.991	36.495	40.898	45.202	78.5	1.50	1.63	1092.6
1200	3.471	3.383	34.514	4.2	56.5	27.461	32.078	36.592	41.004	45.316	71.1	1.58	1.66	1191.5
1300	3.114	3.021	34.573	4.1	55.5	27.542	32.169	36.691	41.112	45.432	63.2	1.65	1.70	1290.5
1400	2.944	2.845	34.614	4.1	55.4	27.591	32.222	36.749	41.173	45.498	58.9	1.71	1.31	1389.3
1496	2.819	2.713	34.652	4.1	55.4	27.633	32.267	36.797	41.225	45.553	55.2	1.76	1.23	1484.2

PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
5	20.002	20.001	35.624	5.45	4.3	0.17	1.1	0.01	0.20	25.239	29.507	33.681	37.765	41.761	4.8
27	19.472	19.467	35.600	5.51	4.7	0.36	1.1		0.38	25.361	29.637	33.820	37.911	41.915	27.1
52	18.339	18.330	35.549	5.61	4.7	0.20	1.2	0.03		25.612	29.907	34.107	38.216	42.237	51.9
103	15.945	15.929	35.450	5.34	4.4	0.39	3.1	0.18		26.111	30.448	34.688	38.836	42.894	101.7
203	14.654	14.624	35.370	5.31	5.0	0.58	5.7			26.340	30.701	34.965	39.135	43.215	201.3
312	12.743	12.700	35.102	5.29	7.0	0.79	8.5			26.532	30.931	35.233	39.439	43.553	309.4
409	11.504	11.452	34.969	5.23	7.9	1.02	11.2		0.74	26.669	31.094	35.420	39.651	43.789	405.4
605	8.323	8.259	34.600	4.95	9.0	1.57	16.4		1.50	26.921	31.417	35.813	40.111	44.314	599.1
806	5.711	5.641	34.418	4.97	19.5	2.05	24.1		0.22	27.138	31.698	36.155	40.513	44.774	798.6
994	4.169	4.093	34.399	4.69	35.4	2.40	32.7			27.299	31.898	36.394	40.789	45.085	984.4
1242	3.344	3.254	34.546	4.02	56.7	2.63	35.6		0.29	27.499	32.119	36.636	41.051	45.366	1228.7
1498	2.818	2.712	34.648	4.21	64.0	2.49	35.9			27.630	32.264	36.794	41.222	45.550	1481.3


SALINITY (PPT)
34.2
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34.6
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35.0
35.2
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35.6
POTENTIAL TEMPERATURE (DEG C)
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18.
21.
PT
SA
OX
PRESSURE (DECIBARS)
0.
500.
1000.
1500.
2000.
2500.
3000.
3500.
4000.
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OXYGEN (ML/L)
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KN 104/5
83

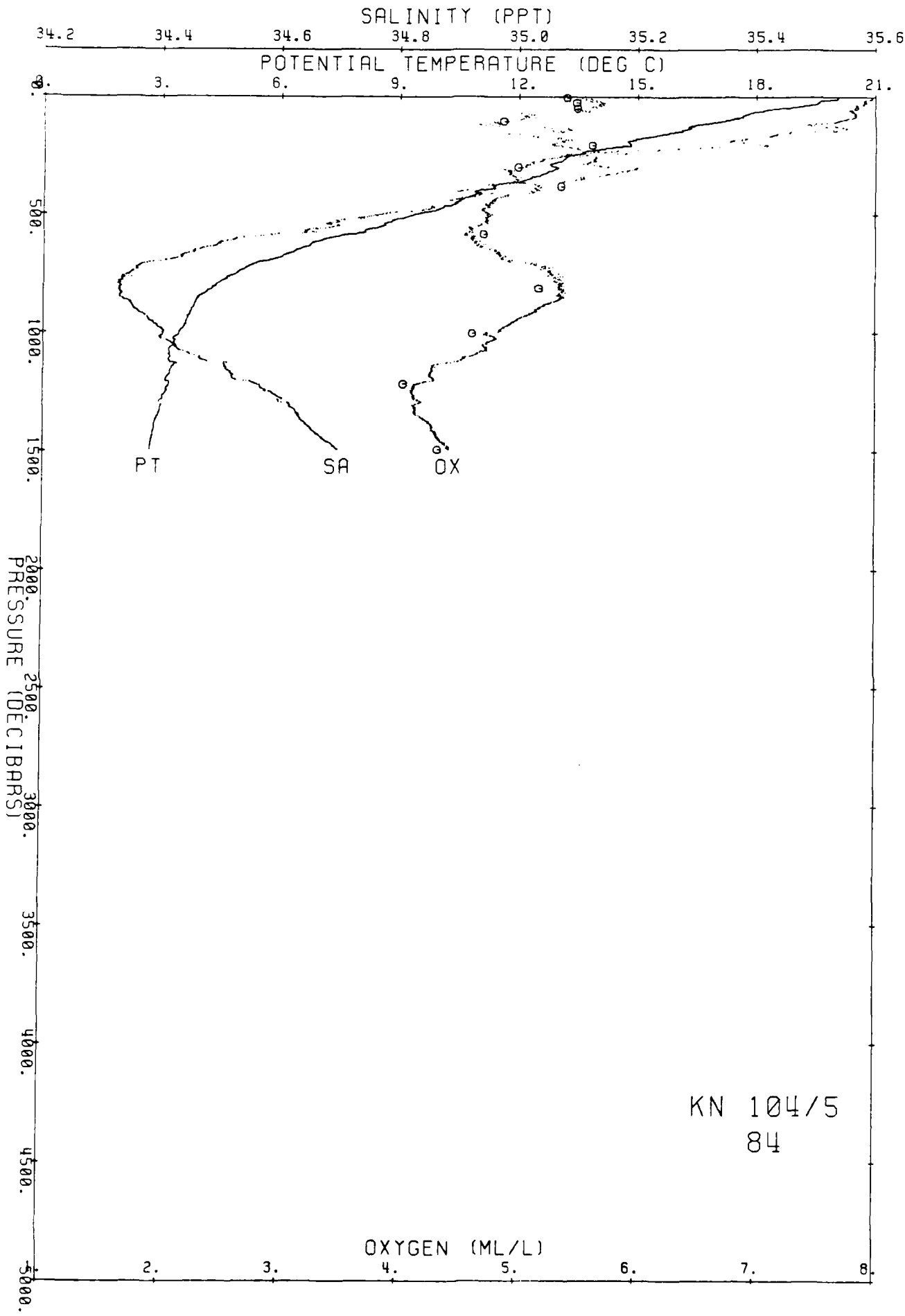

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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34.4
34.7
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OXYGEN (ML/L)
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KN 104/5
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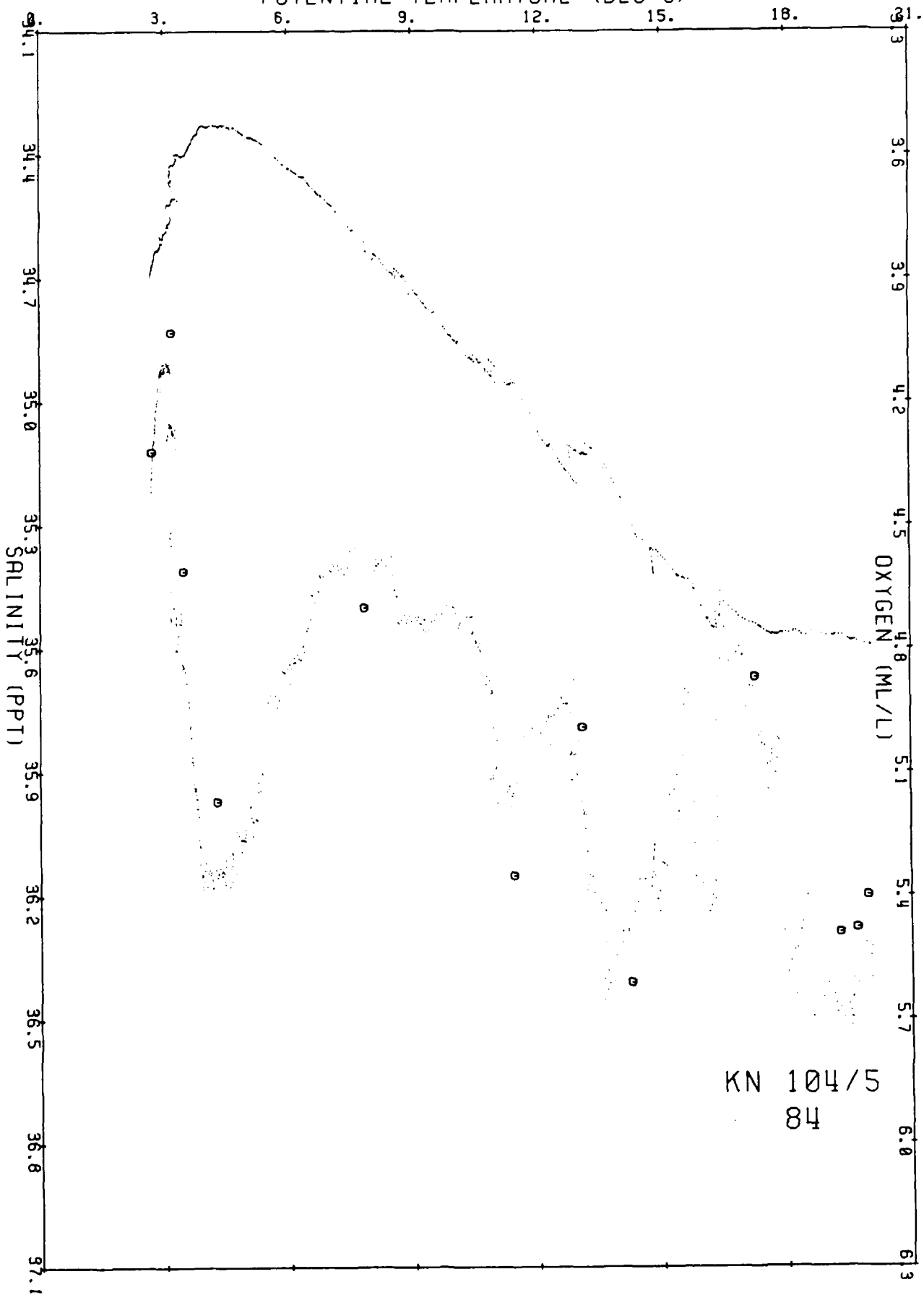

SALINITY (PPT)
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34.4
34.6
34.8
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35.2
35.4
35.6
POTENTIAL TEMPERATURE (DEG C)
0.
3.
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21.
PRESSURE (DECIBARS)
0.
200.
400.
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1000.
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OXYGEN (ML/L)
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KN 104/5
83

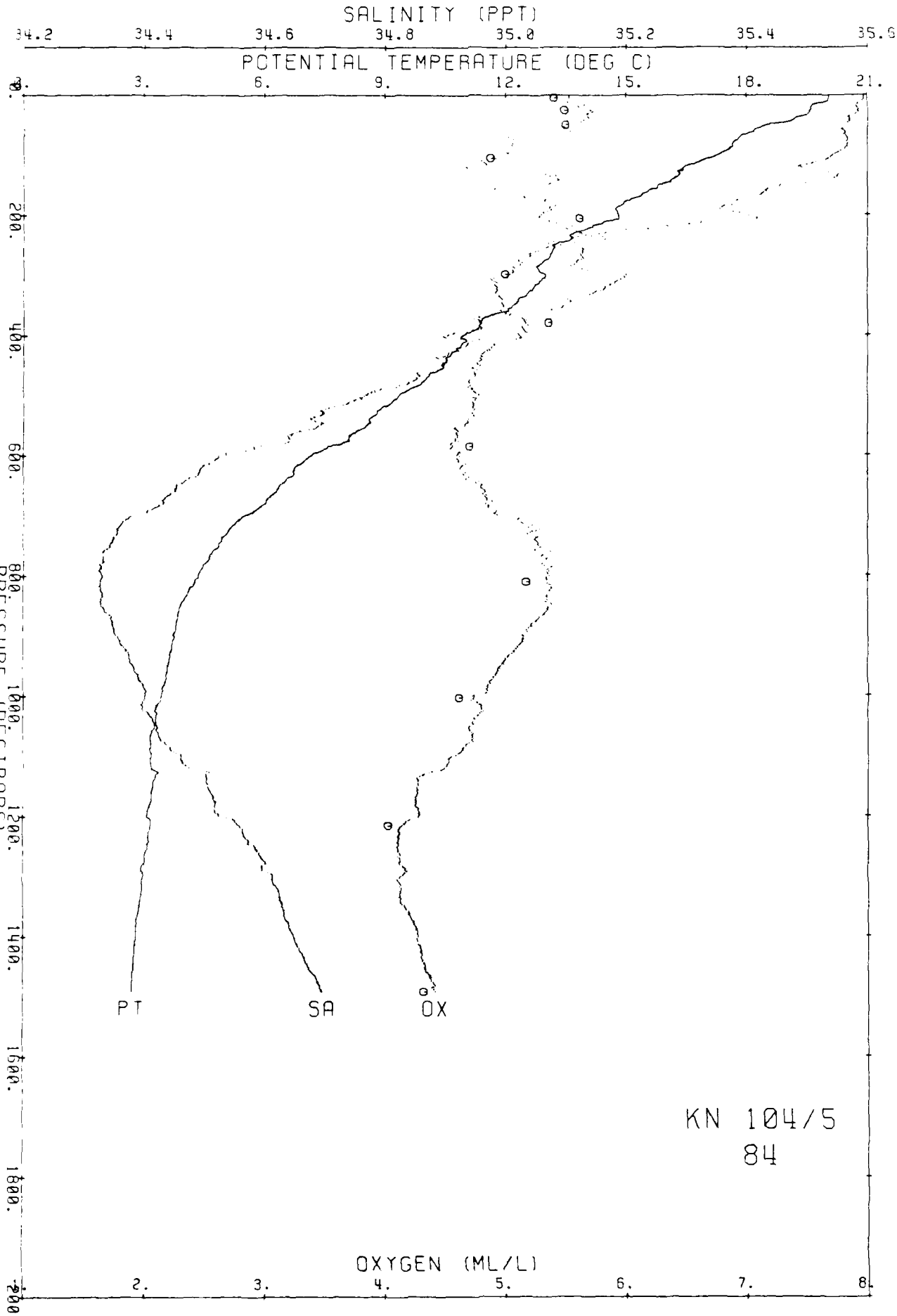
Ship KN Cruise 1045 Station 84 Cast 1 DT
Start 31 0.00 S 15 54.50 E at 1547 83/12/10
End 33 57.08 S 15 53.21 E at 1712

PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	20 043	20 043	35 594	5 5	107 4	25 205	29 472	33 646	37 730	41 725	275 3	0 00	0 00	0 0
10	20 017	20 016	35 591	5 5	107 8	25 210	29 478	33 652	37 736	41 732	275 2	03	1 25	10 0
20	19 599	19 595	35 582	5 6	108 1	25 313	29 588	33 769	37 859	41 860	265 7	05	5 70	19 9
30	19 537	19 532	35 581	5 7	109 4	25 329	29 605	33 787	37 878	41 880	264 6	08	2 23	29 9
40	19 174	19 167	35 570	5 7	108 4	25 415	29 697	33 884	37 980	41 988	256 8	11	5 20	39 9
50	18 510	18 501	35 570	5 4	102 1	25 585	29 877	34 075	38 181	42 199	241 1	13	7 30	49 9
60	18 186	18 176	35 562	5 5	103 9	25 660	29 958	34 161	38 272	42 294	234 2	16	4 87	59 8
70	17 846	17 834	35 567	5 0	93 7	25 748	30 052	34 260	38 377	42 404	226 2	18	5 27	69 8
80	17 672	17 658	35 568	5 1	94 4	25 792	30 098	34 310	38 429	42 459	222 4	20	3 72	79 7
90	17 558	17 543	35 562	5 1	94 3	25 816	30 124	34 337	38 458	42 490	220 5	22	2 72	89 7
100	17 305	17 288	35 542	4 9	90 9	25 862	30 175	34 392	38 518	42 553	216 4	25	3 84	99 7
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320	12 745	12 702	35 166	4 9	82 9	26 582	30 980	35 281	39 487	43 601	153 6	63	2 28	318 6
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PR	TE	PT	SA	O2	SI	PO	N3	N2	NH4	SO	S1	S2	S3	S4	DE
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25	19 699	19 694	35 593	5 48	5 2	0 14	0 9			25 296	29 569	33 748	37 837	41 837	24 9
49	19 291	19 282	35 576	5 49	5 2	0 15	0 9			25 390	29 670	33 855	37 950	41 956	49 0
105	17 266	17 248	35 547	4 87	6 8	0 40	4 2	0 04		25 876	30 189	34 407	38 533	42 569	104 2
206	14 264	14 234	35 271	5 61	5 5	0 45	4 7	0 01		26 348	30 716	34 988	39 166	43 252	204 0
299	13 118	13 076	35 211	4 99	7 0	0 81	6 5			26 542	30 932	35 226	39 425	43 532	296 3
379	11 448	11 400	34 957	5 35	7 0	0 96	9 6			26 669	31 095	35 423	39 655	43 794	376 1
584	7 871	7 811	34 612	4 70	15 2	1 75	18 8			26 997	31 504	35 910	40 218	44 429	579 0
811	4 310	4 248	34 323	5 17	24 0	2 24	25 2			27 222	31 818	36 311	40 703	44 996	803 5
1003	3 527	3 455	34 394	4 61	40 7	2 47	32 2			27 359	31 975	36 488	40 899	45 210	993 5
1215	3 272	3 185	34 549	4 03	52 8	2 61	30 7			27 508	32 130	36 649	41 065	45 382	1202 7
1492	2 812	2 707	34 687	4 32	49 1	2 38	25 7			27 662	32 296	36 826	41 253	45 581	1476 0


SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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KN 104/5
84

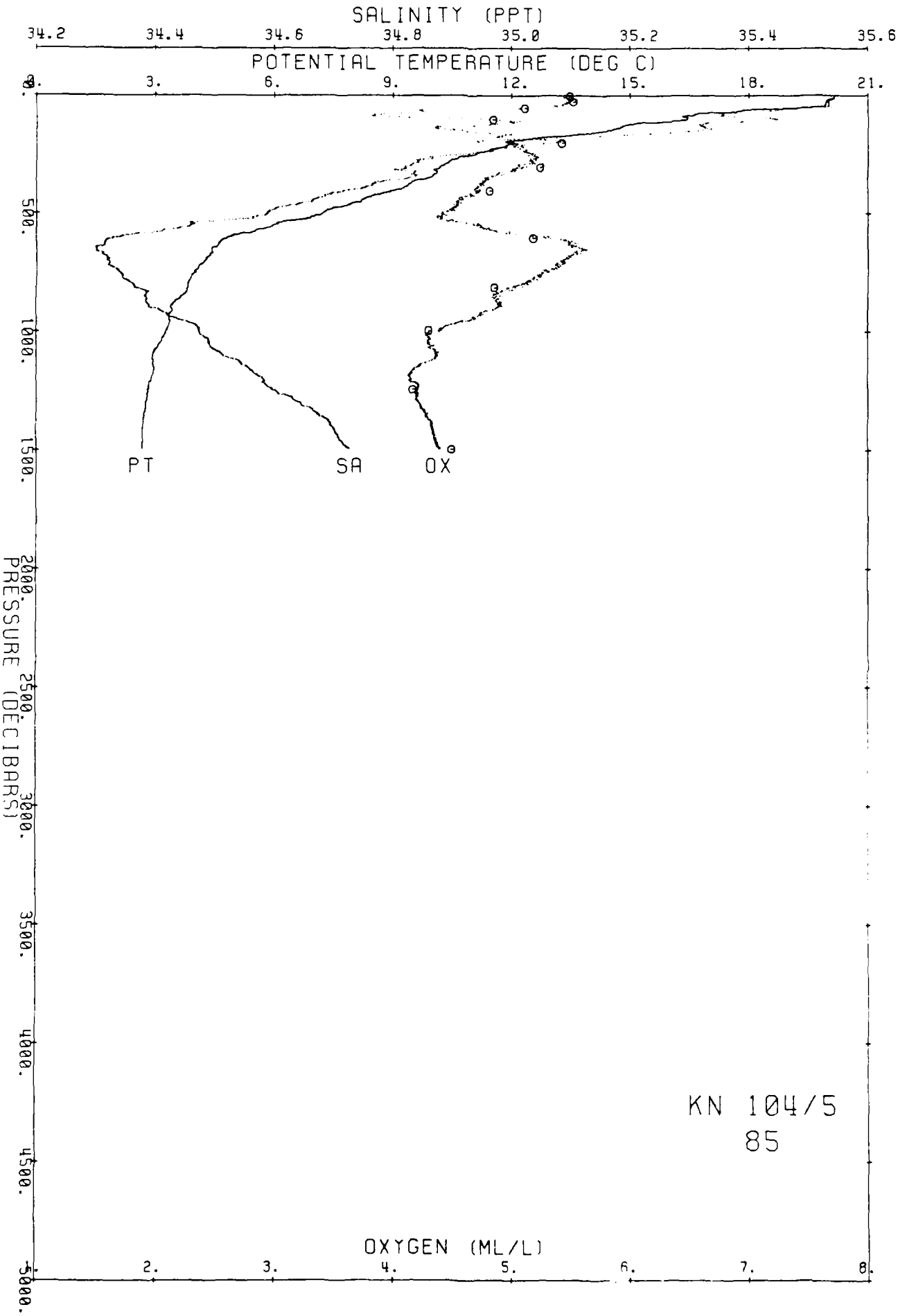

POTENTIAL TEMPERATURE (DEG C)
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OXYGEN (ML/L)
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KN 104/5
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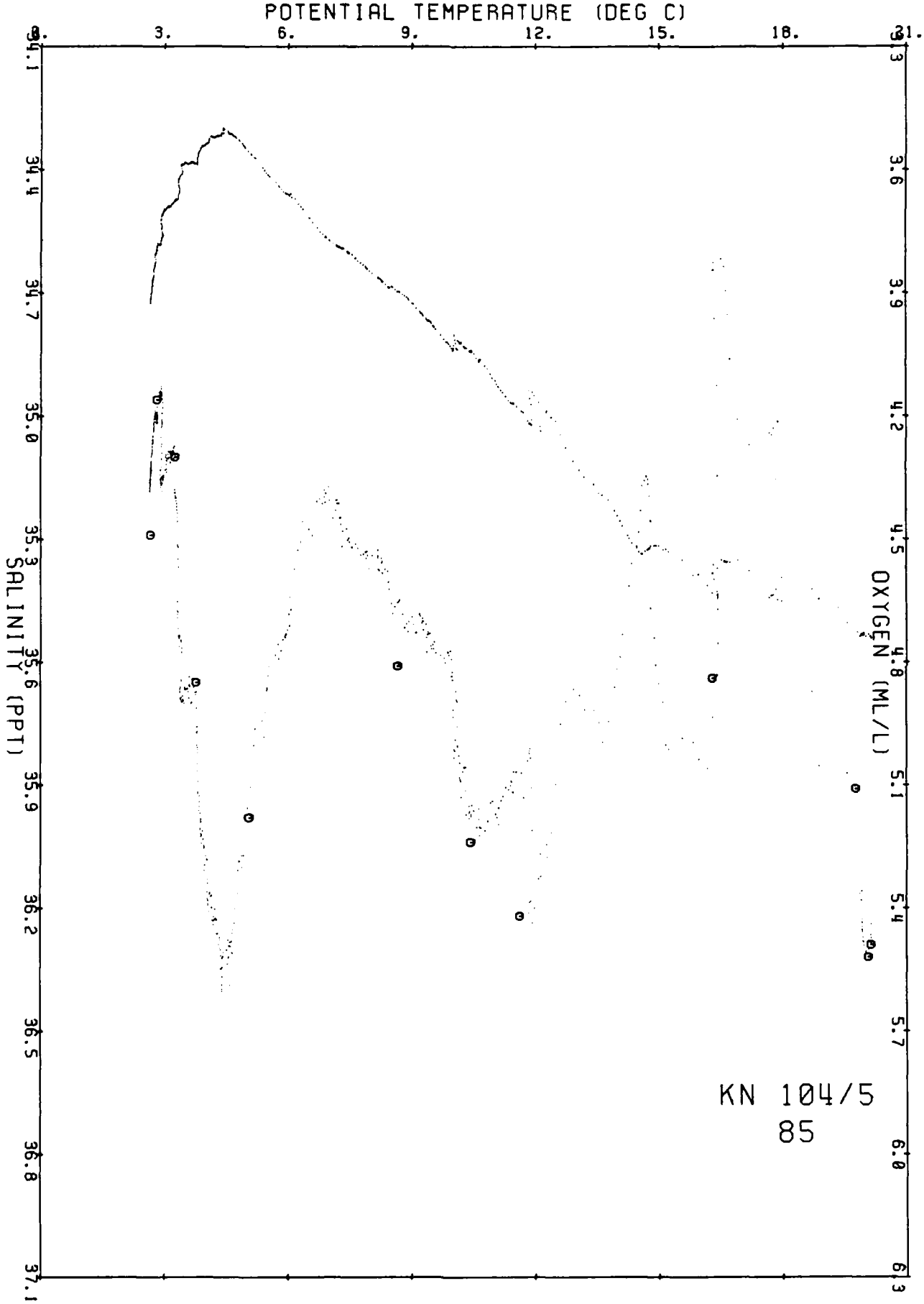

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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KN 104/5
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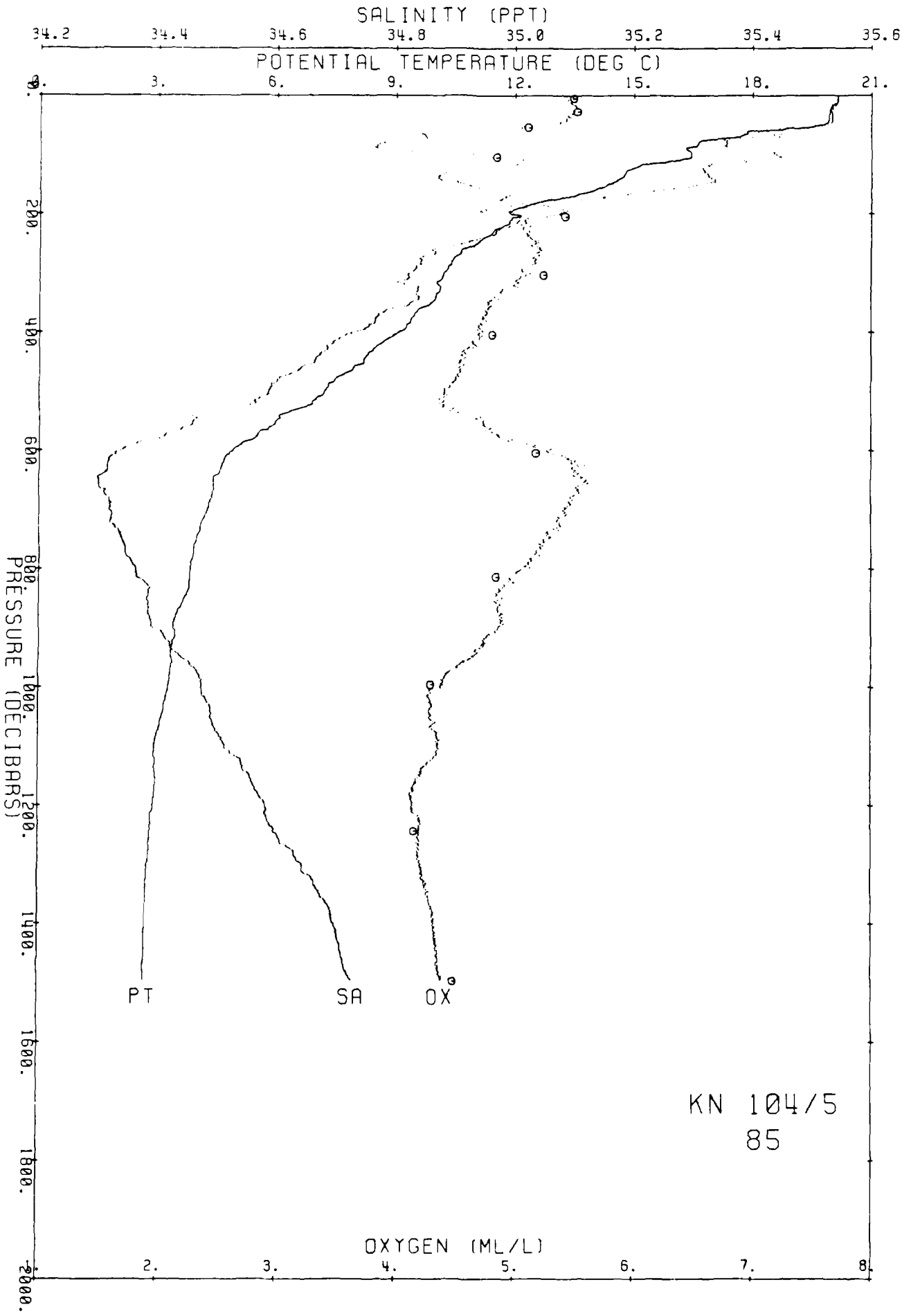
Ship KN Cruise 1045 Station 85 Cast 1 DT
Start 34 .93 S 18 30.06 E at 2053 83/12/10
End 34 .38 S 18 28.73 E at 2213

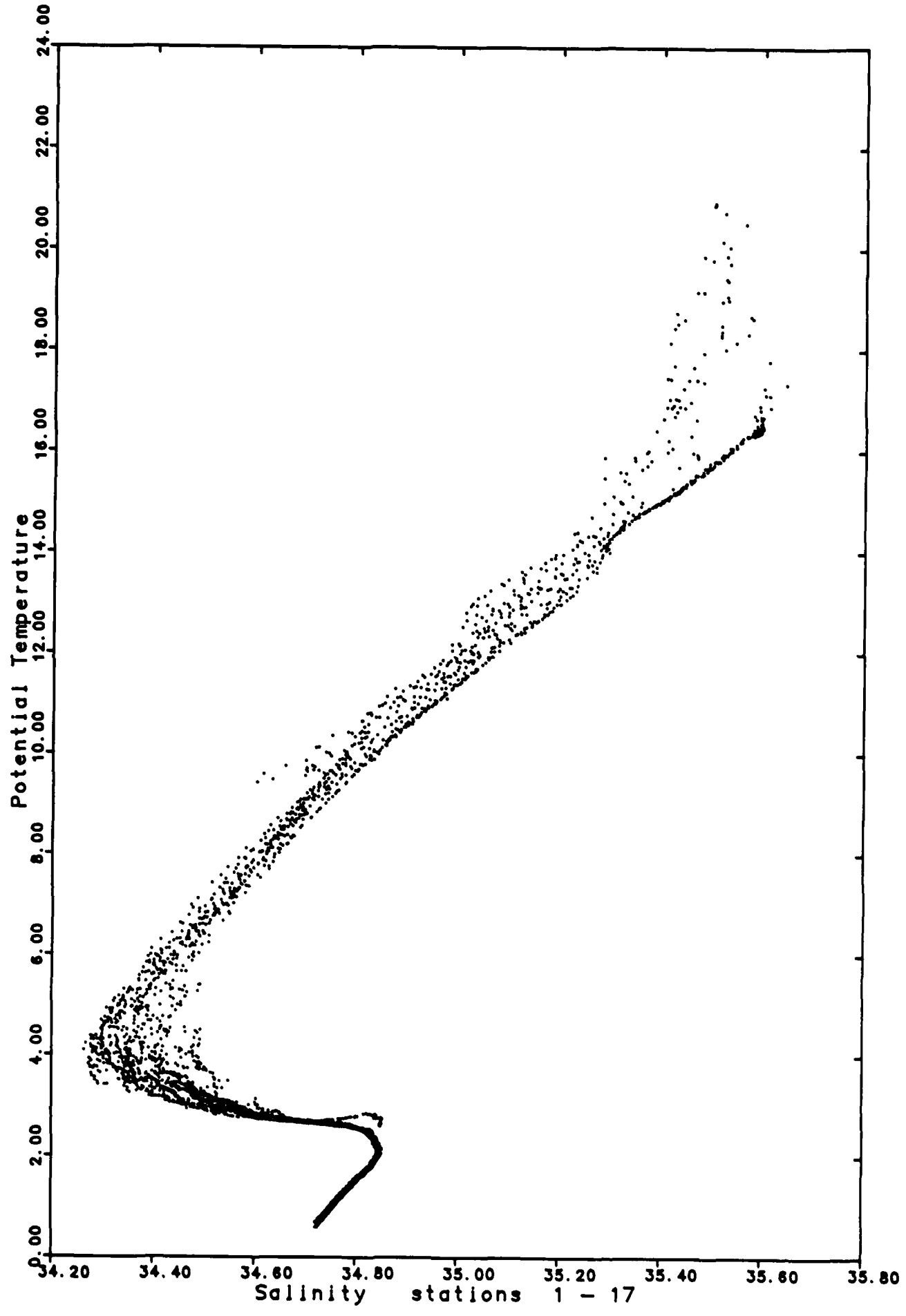
PR	TE	PT	SA	OX	OS	SO	S1	S2	S3	S4	AN	HZ	BV	DE
0	20.153	20.153	35.543	5.5	106.9	25.137	29.403	33.576	37.658	41.652	281.8	0.00	0.00	0.0
10	20.154	20.152	35.542	5.5	106.6	25.136	29.402	33.575	37.657	41.651	282.2	.03	.41	10.0
20	19.986	19.982	35.534	5.5	107.1	25.175	29.444	33.619	37.704	41.700	278.9	.06	3.50	19.9
30	19.955	19.949	35.533	5.5	106.2	25.183	29.452	33.628	37.713	41.710	278.6	.08	1.56	29.9
40	19.936	19.929	35.535	5.4	105.3	25.190	29.460	33.636	37.721	41.718	278.3	.11	1.49	39.9
50	19.830	19.821	35.529	5.3	102.8	25.214	29.485	33.663	37.750	41.749	276.4	.14	2.73	49.9
60	17.986	17.975	35.395	4.7	86.9	25.582	29.884	34.091	38.206	42.233	241.6	.17	10.77	59.8
70	17.690	17.678	35.444	4.2	78.9	25.692	29.999	34.211	38.330	42.361	231.5	.19	5.90	69.8
80	16.639	16.625	35.357	3.9	70.9	25.878	30.203	34.432	38.569	42.617	214.1	.21	7.66	79.8
90	16.333	16.319	35.384	3.8	69.6	25.970	30.300	34.535	38.677	42.729	205.6	.23	5.39	89.7
100	16.456	16.440	35.440	4.7	84.8	25.985	30.313	34.545	38.684	42.734	204.6	.25	2.14	99.7
120	15.119	15.101	35.327	4.9	86.5	26.203	30.555	34.811	38.973	43.045	184.4	.29	5.88	119.6
140	14.683	14.663	35.330	4.4	76.3	26.301	30.661	34.925	39.095	43.174	175.6	.33	3.95	139.5
160	14.020	13.997	35.244	4.8	83.2	26.377	30.750	35.026	39.209	43.299	168.8	.36	3.50	159.4
180	12.634	12.610	35.045	5.0	83.0	26.506	30.907	35.211	39.419	43.535	156.7	.39	4.58	179.3
200	11.923	11.897	34.972	5.4	88.8	26.588	31.003	35.321	39.544	43.673	149.3	.43	3.63	199.2
220	11.743	11.715	34.991	5.1	84.3	26.637	31.056	35.377	39.603	43.736	145.1	.45	2.80	219.1
240	11.253	11.223	34.941	5.1	83.4	26.689	31.119	35.451	39.686	43.828	140.4	.48	2.94	239.0
260	10.715	10.683	34.861	5.2	83.6	26.725	31.166	35.509	39.755	43.908	137.3	.51	2.44	258.9
280	10.443	10.410	34.842	5.2	82.5	26.758	31.205	35.554	39.806	43.964	134.4	.54	2.34	278.8
300	10.236	10.201	34.821	5.1	81.5	26.778	31.230	35.583	39.839	44.002	132.9	.57	1.83	298.7
320	10.111	10.074	34.821	5.0	79.1	26.800	31.255	35.610	39.869	44.034	131.2	.59	1.89	318.6
340	10.041	10.001	34.840	4.8	76.4	26.827	31.283	35.640	39.901	44.067	129.0	.62	2.08	338.5
360	9.622	9.581	34.789	4.8	74.9	26.858	31.324	35.690	39.959	44.134	126.2	.64	2.32	358.4
380	9.415	9.373	34.765	4.8	74.5	26.874	31.344	35.715	39.989	44.168	125.0	.67	1.65	378.2
400	9.100	9.056	34.726	4.7	72.9	26.895	31.372	35.750	40.031	44.216	123.2	.69	1.93	398.1
450	8.227	8.181	34.662	4.5	69.0	26.982	31.479	35.877	40.176	44.380	115.2	.75	2.44	447.8
500	7.251	7.203	34.587	4.4	65.5	27.065	31.586	36.006	40.327	44.552	107.2	.81	2.44	497.5
550	6.008	5.960	34.458	4.7	68.1	27.130	31.681	36.131	40.481	44.734	100.3	.86	2.24	547.1
600	4.930	4.882	34.337	5.3	73.9	27.163	31.743	36.220	40.596	44.874	96.3	.91	1.76	596.8
650	4.468	4.418	34.301	5.6	77.7	27.186	31.778	36.267	40.655	44.944	94.0	.96	1.38	646.4
700	4.301	4.249	34.318	5.4	74.6	27.218	31.814	36.307	40.699	44.992	91.2	1.00	1.47	696.0
750	4.035	3.980	34.340	5.3	72.1	27.263	31.866	36.366	40.764	45.063	87.0	1.05	1.78	745.6
800	3.880	3.822	34.363	5.1	69.2	27.298	31.904	36.408	40.810	45.113	83.9	1.09	1.53	795.2
900	3.459	3.395	34.392	4.9	65.9	27.363	31.981	36.495	40.907	45.220	77.8	1.17	1.52	894.3
1000	3.332	3.262	34.472	4.4	59.2	27.439	32.060	36.577	40.992	45.308	71.1	1.25	1.57	993.4
1100	3.010	2.934	34.513	4.4	58.5	27.502	32.132	36.657	41.080	45.403	65.2	1.31	1.50	1092.4
1200	2.990	2.906	34.582	4.2	55.6	27.560	32.189	36.715	41.138	45.462	60.5	1.38	1.34	1191.3
1300	2.845	2.755	34.642	4.2	56.4	27.622	32.254	36.783	41.210	45.537	55.0	1.43	1.43	1290.3
1400	2.793	2.695	34.698	4.3	57.8	27.672	32.306	36.836	41.264	45.591	50.9	1.49	1.27	1389.1
1495	2.769	2.664	34.727	4.4	58.4	27.698	32.332	36.863	41.291	45.620	49.1	1.53	94	1483.0

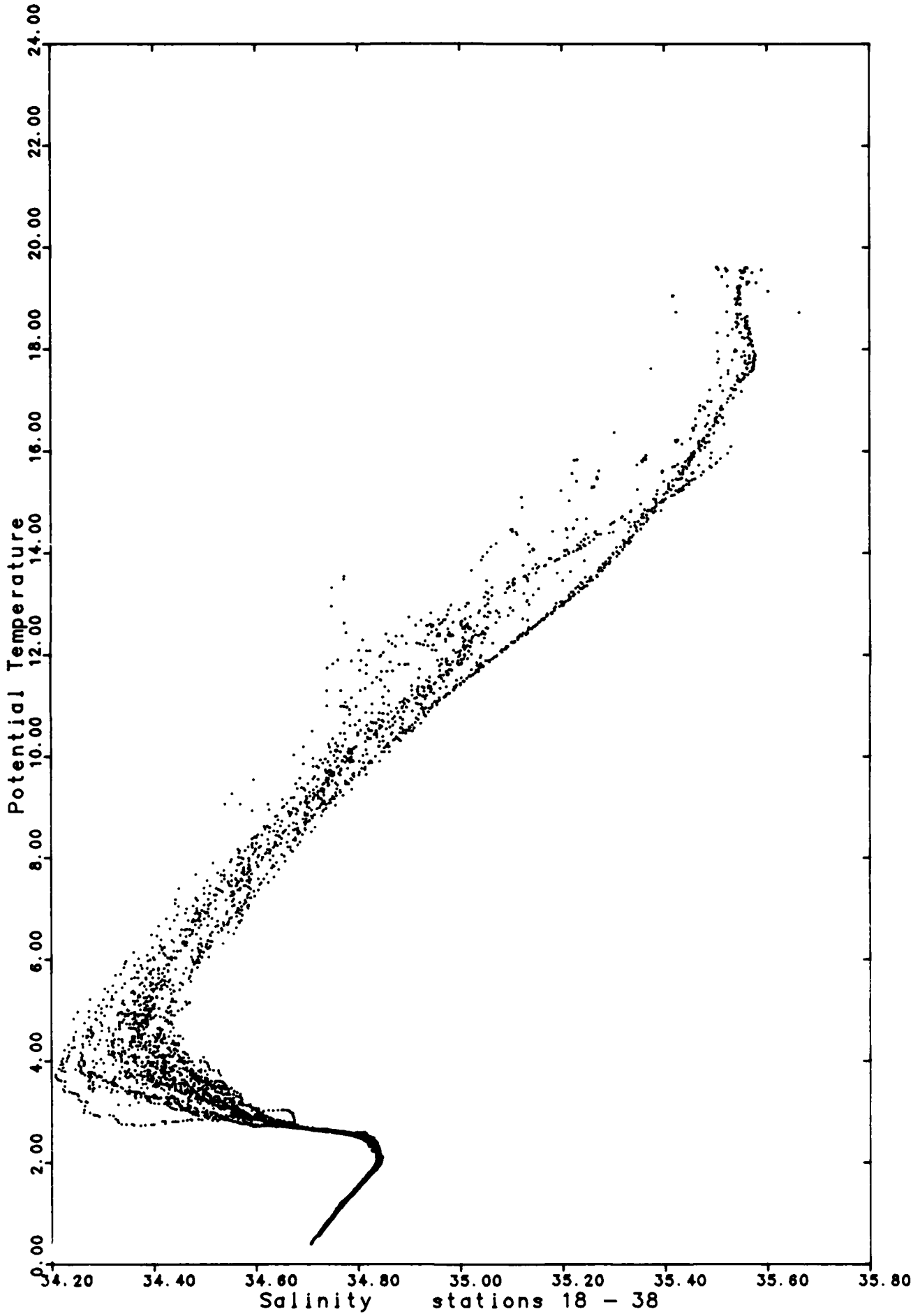
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4	20.134	20.133	35.543	5.49	5.2	0.22	1.0	0.01	0.34	25.142	29.409	33.582	37.664	41.658	4.3
27	20.068	20.063	35.539	5.52	4.4	0.17	1.1		0.43	25.158	29.425	33.599	37.683	41.678	26.6
54	19.780	19.770	35.519	5.11	5.5	0.22	1.4	0.05	0.20	25.220	29.492	33.670	37.758	41.758	53.6
104	16.319	16.302	35.417	4.84	8.1	0.47	3.9	0.14		26.000	30.330	34.564	38.706	42.758	103.1
204	11.648	11.622	34.918	5.42	6.4	0.86	7.7	0.01		26.598	31.019	35.343	39.571	43.706	202.4
304	10.463	10.427	34.846	5.24	9.7	1.12	11.9		0.40	26.758	31.205	35.553	39.805	43.963	301.3
404	8.717	8.674	34.692	4.81	17.1	1.48	13.8			25.929	31.415	35.802	40.090	44.284	400.6
604	5.109	5.060	34.354	5.18	21.6	2.00	30.3		0.30	27.156	31.731	36.204	40.576	44.850	598.4
813	3.839	3.780	34.366	4.85	37.3	2.28	33.7		0.60	27.304	31.912	36.417	40.820	45.124	805.2
996	3.342	3.272	34.458	4.30	49.6	2.43	34.2			27.427	32.048	36.565	40.980	45.295	986.3
1244	2.904	2.818	34.590	4.16	65.6	2.44	31.0			27.574	32.206	36.734	41.159	45.485	1230.8
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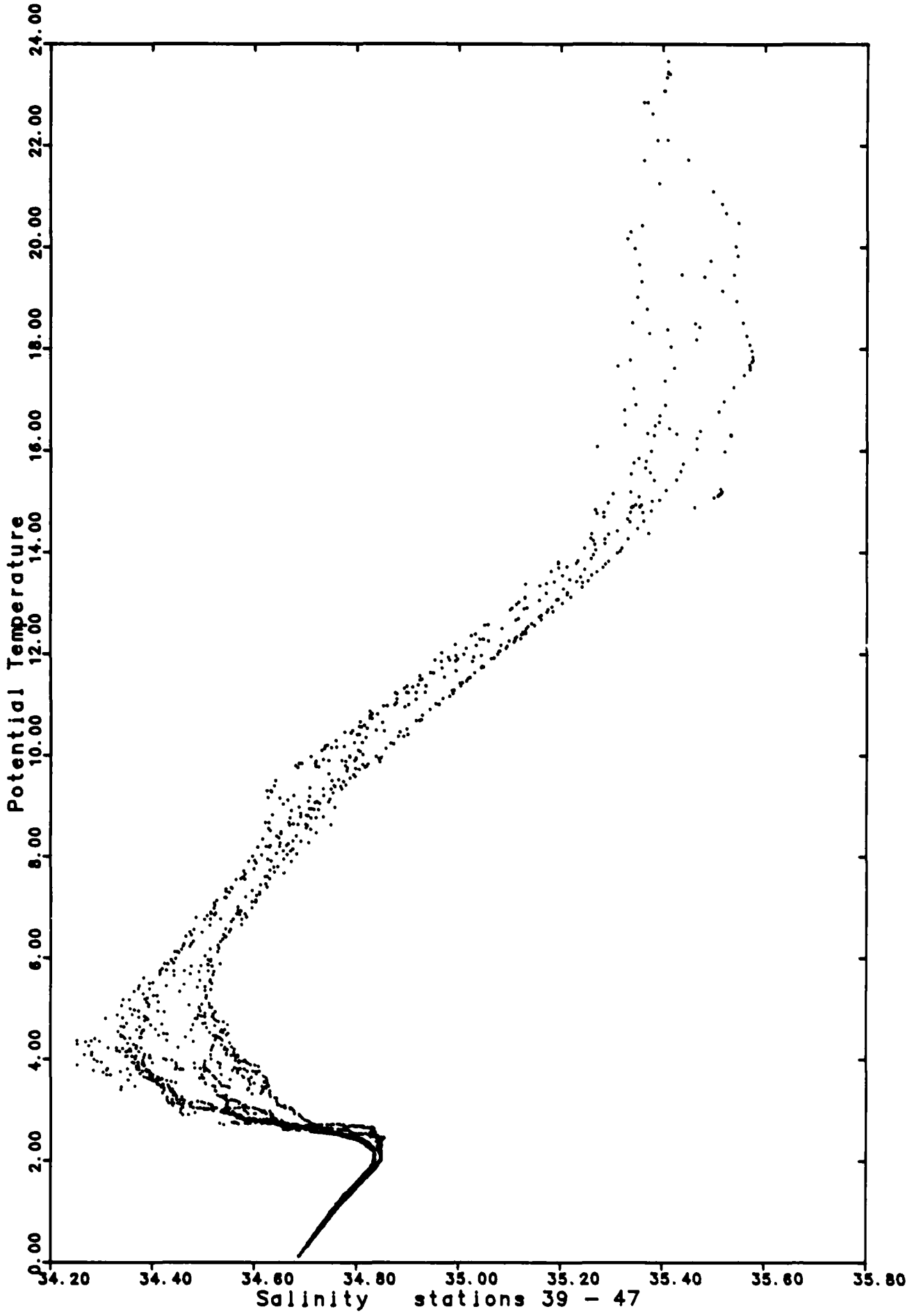

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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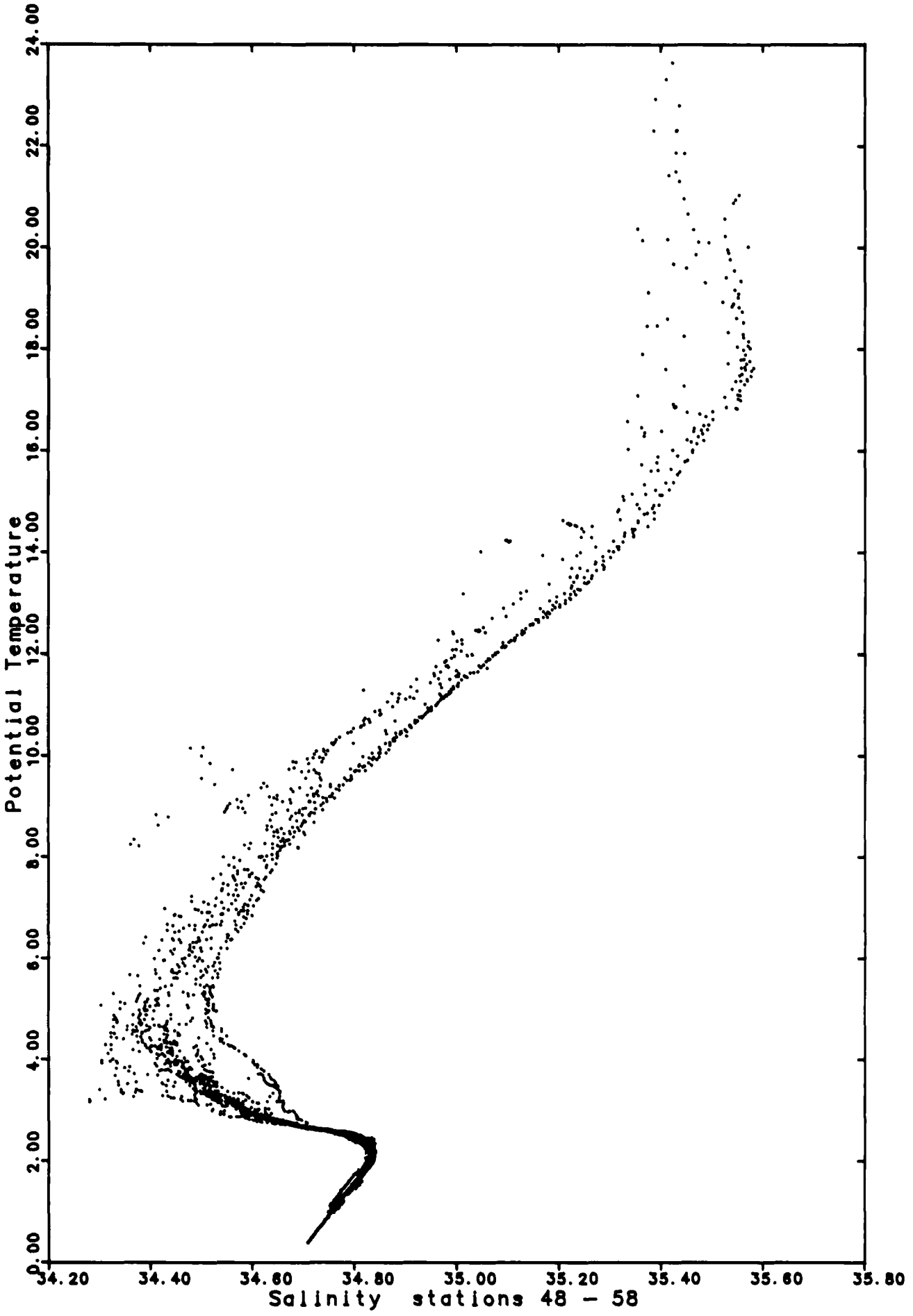

POTENTIAL TEMPERATURE (DEG C)
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SALINITY (PPT)
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OXYGEN (ML/L)
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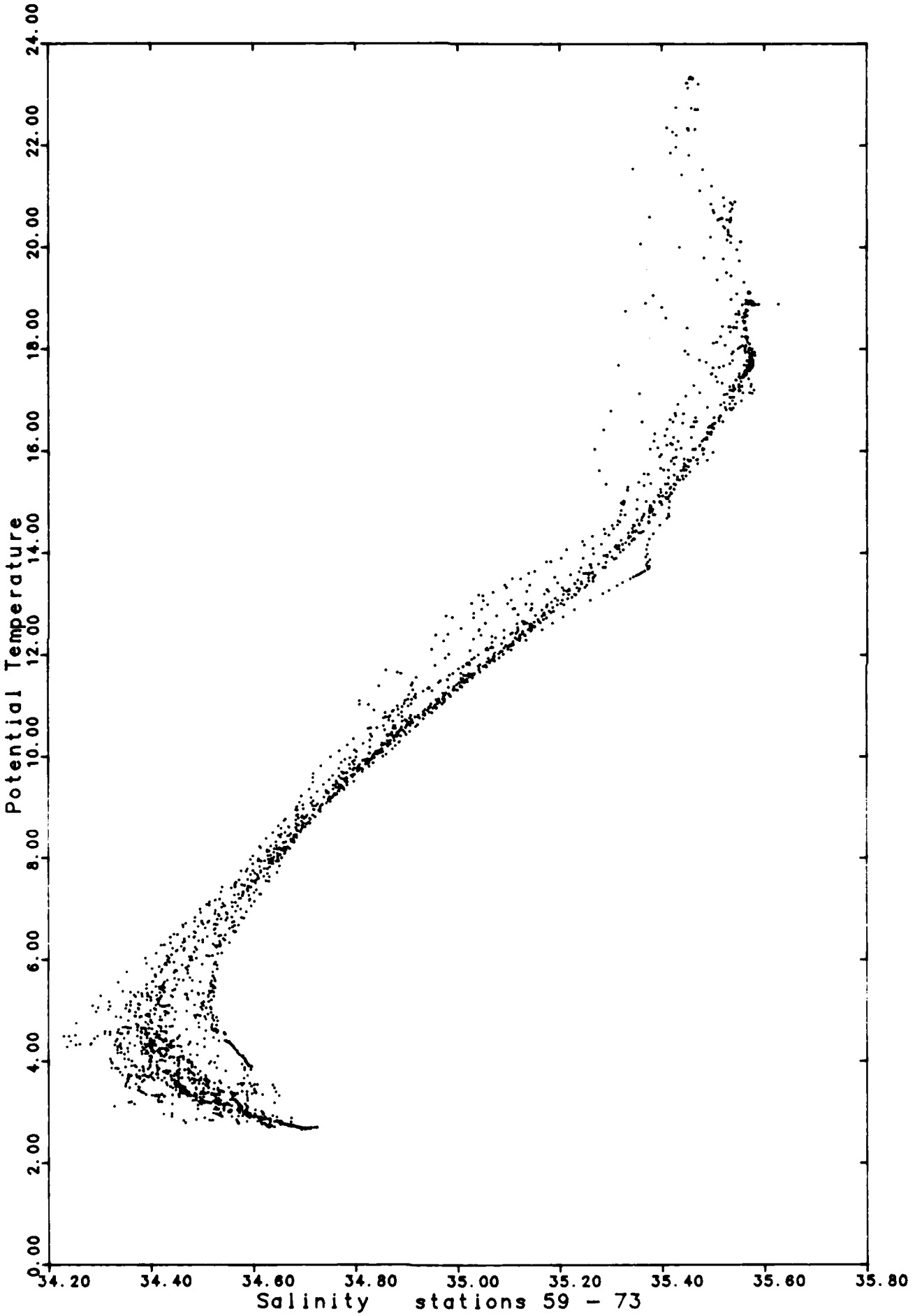

SALINITY (PPT)
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POTENTIAL TEMPERATURE (DEG C)
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PRESSURE (DECIBARS)
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OXYGEN (ML/L)
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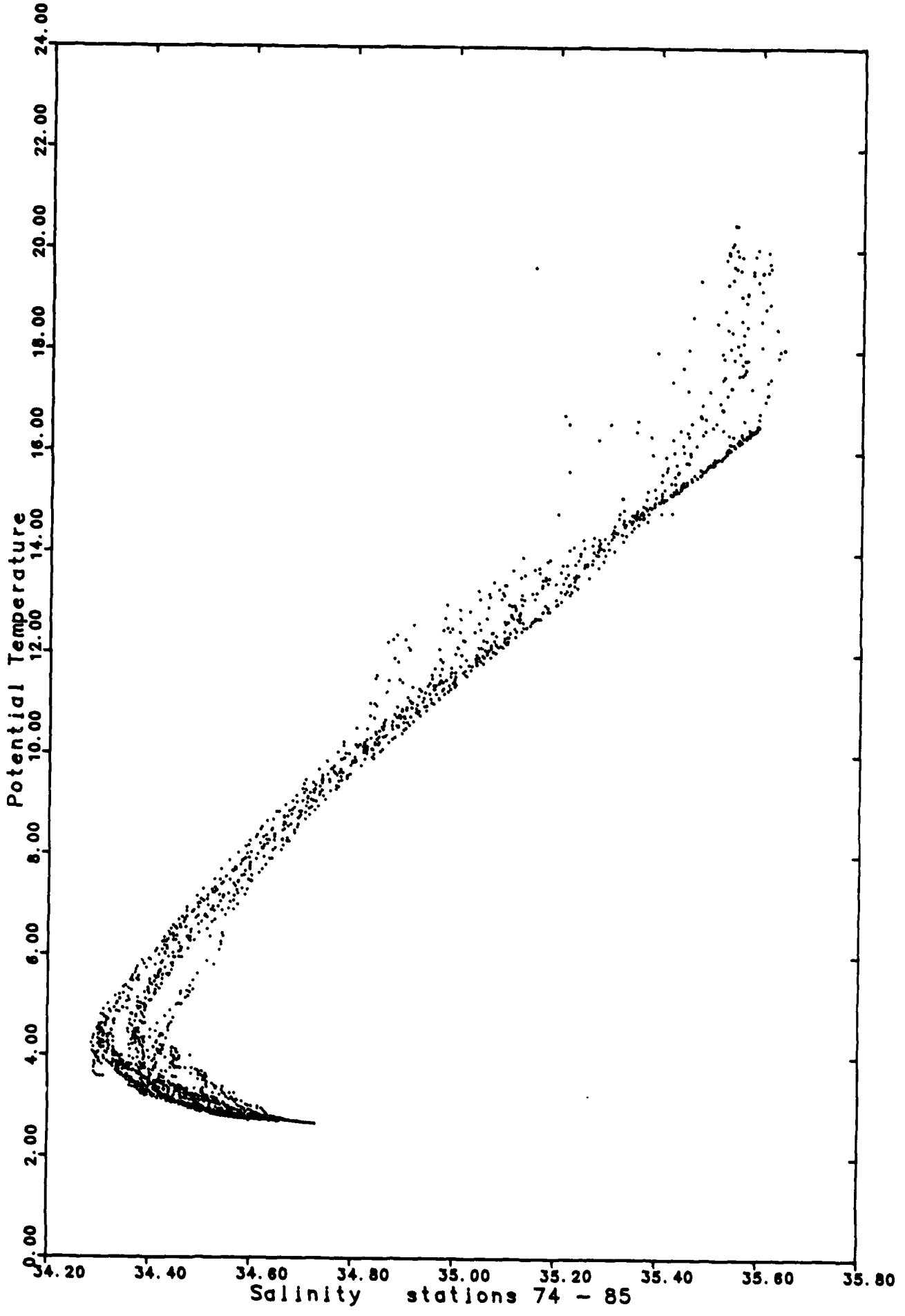

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Salinity stations 1 - 17

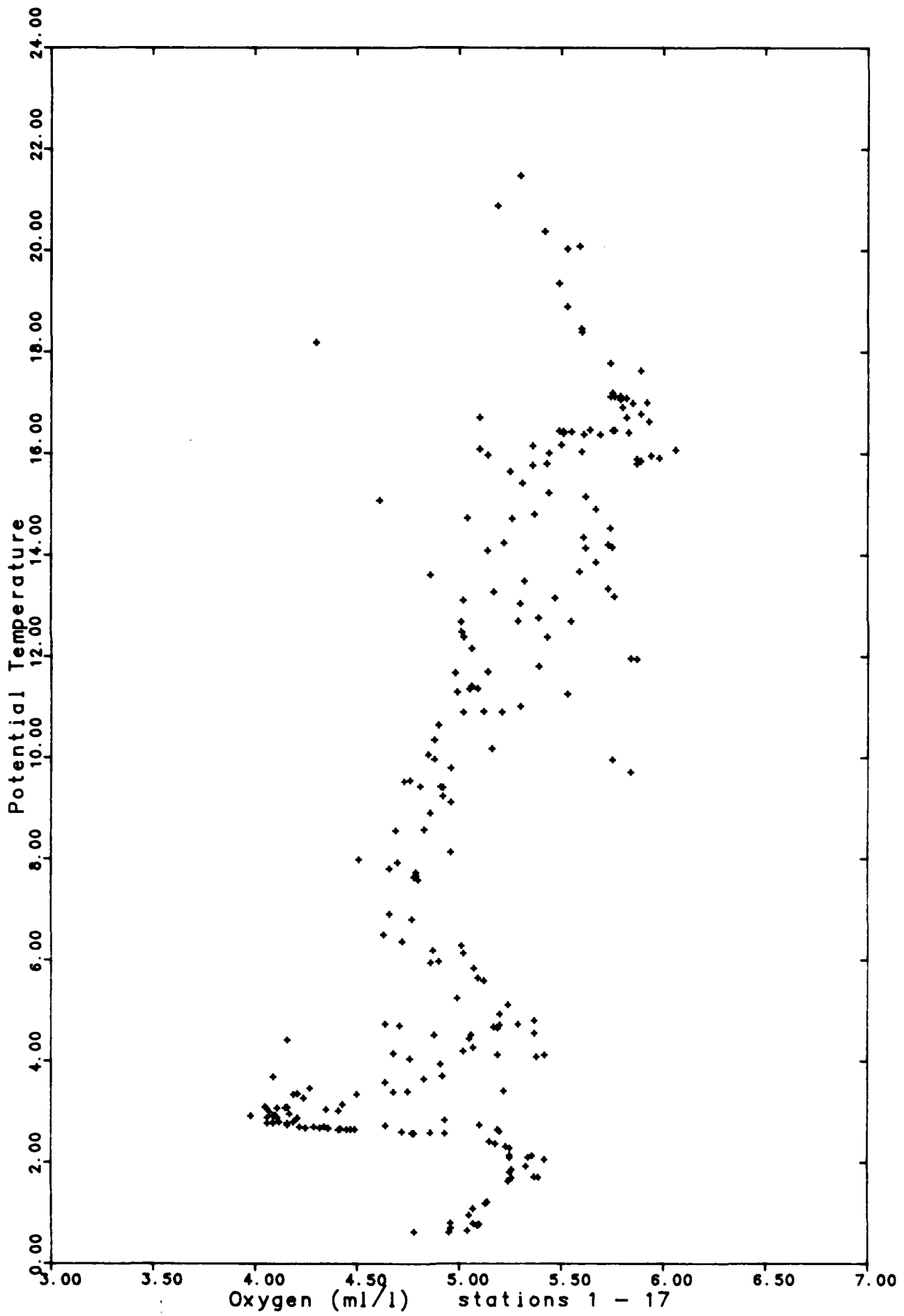

Potential Temperature
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35.60
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Salinity stations 18 - 38

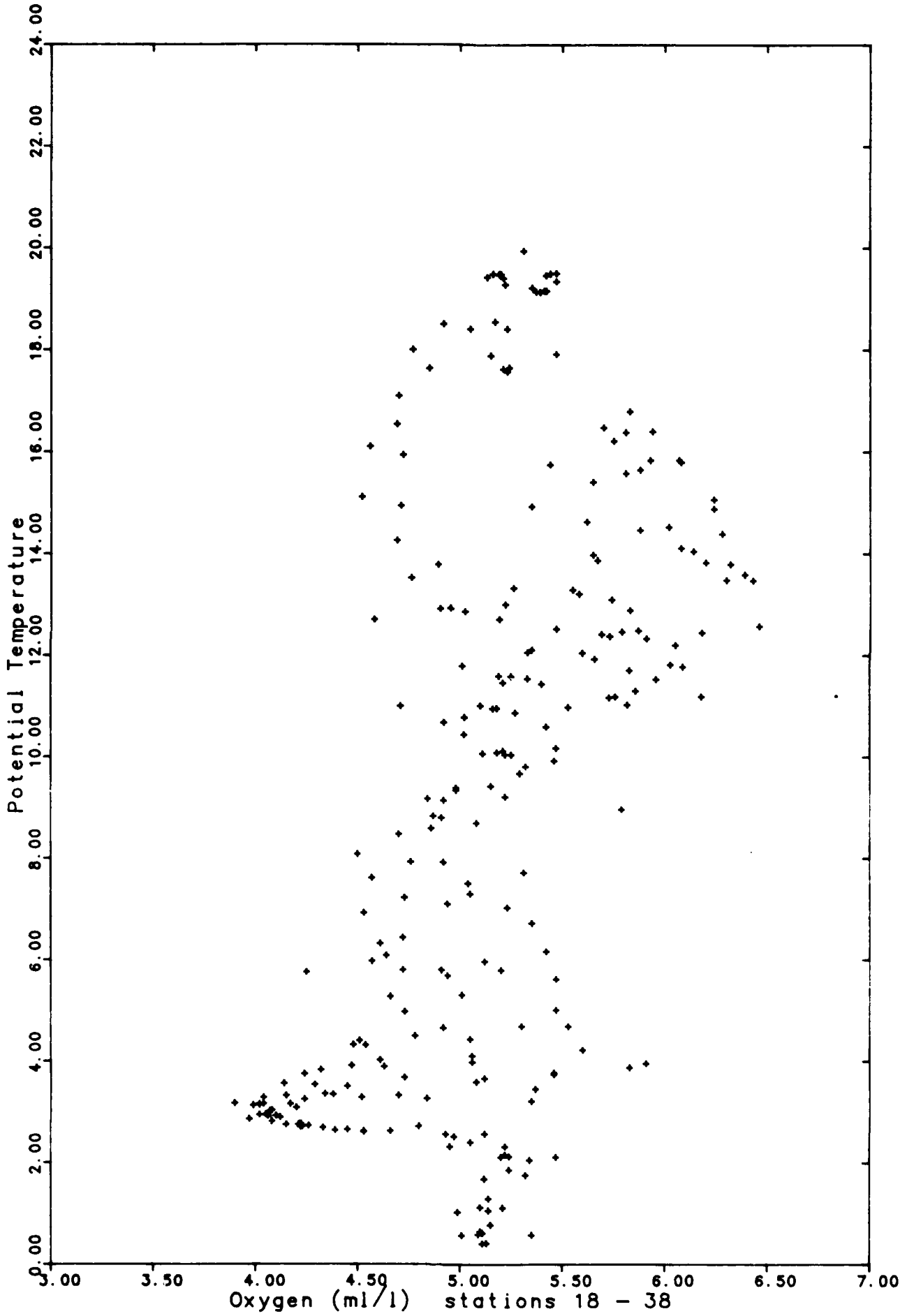

Potential Temperature
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Salinity stations 39 - 47

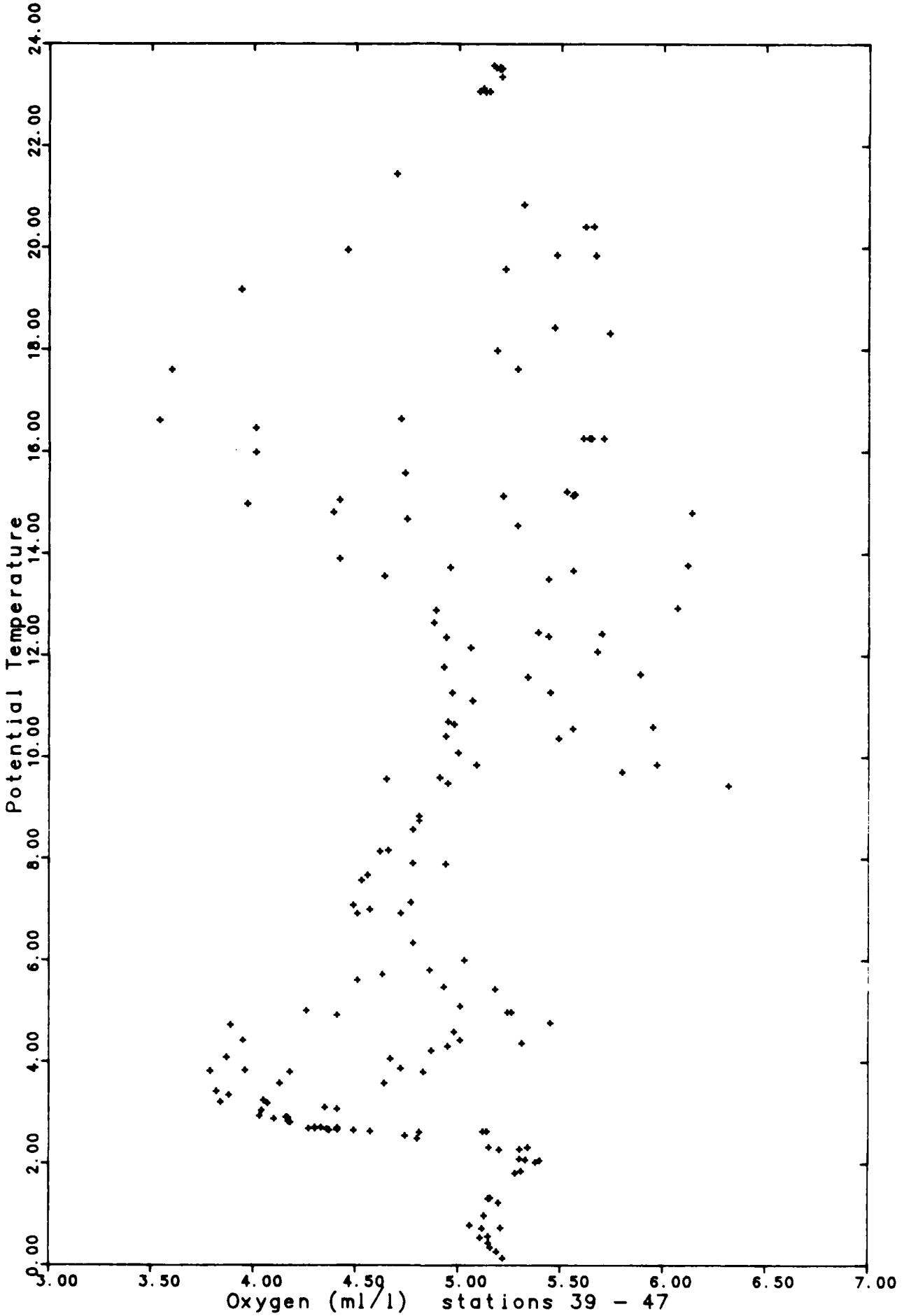

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Salinity stations 48 - 58

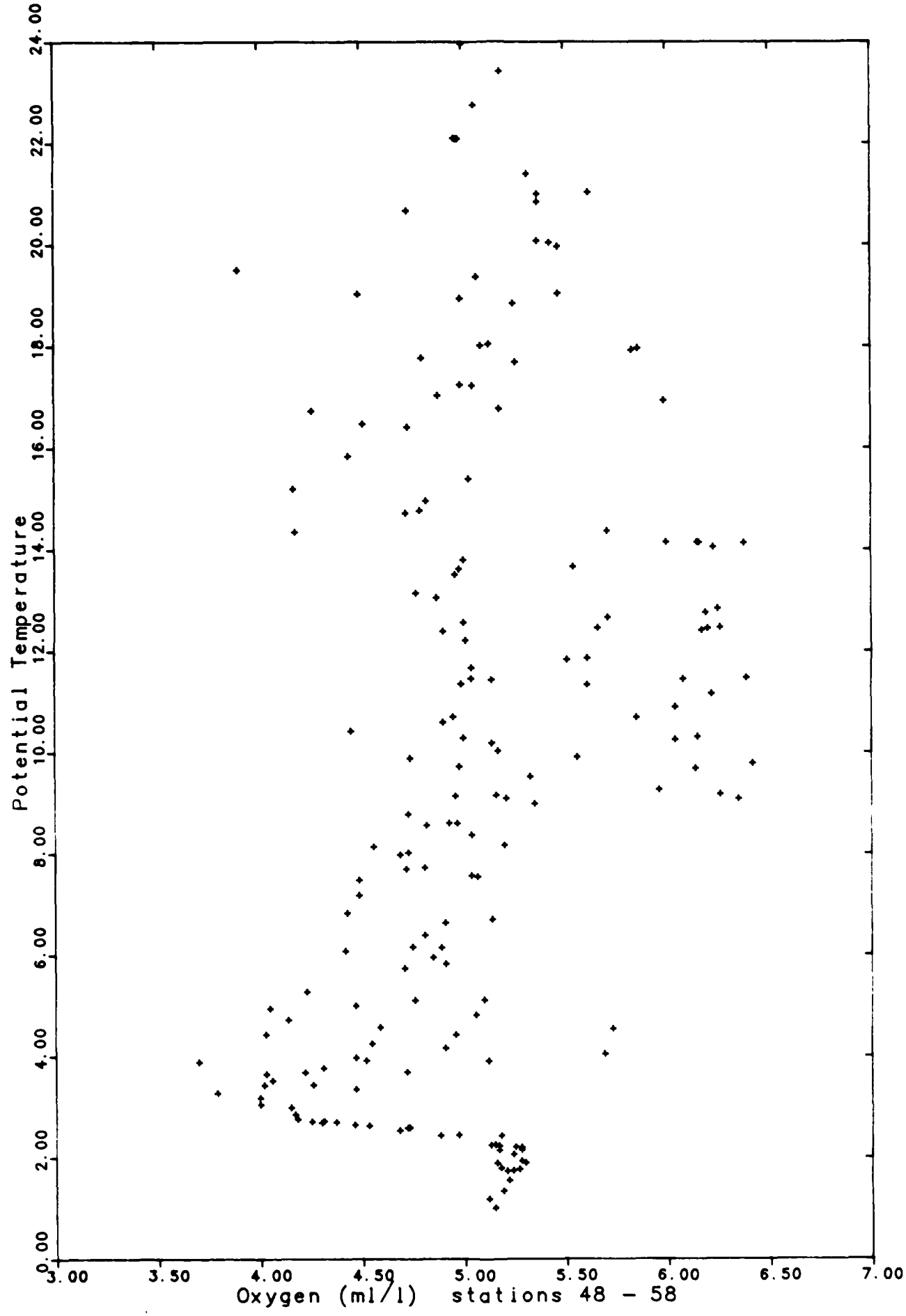

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Salinity stations 59 - 73

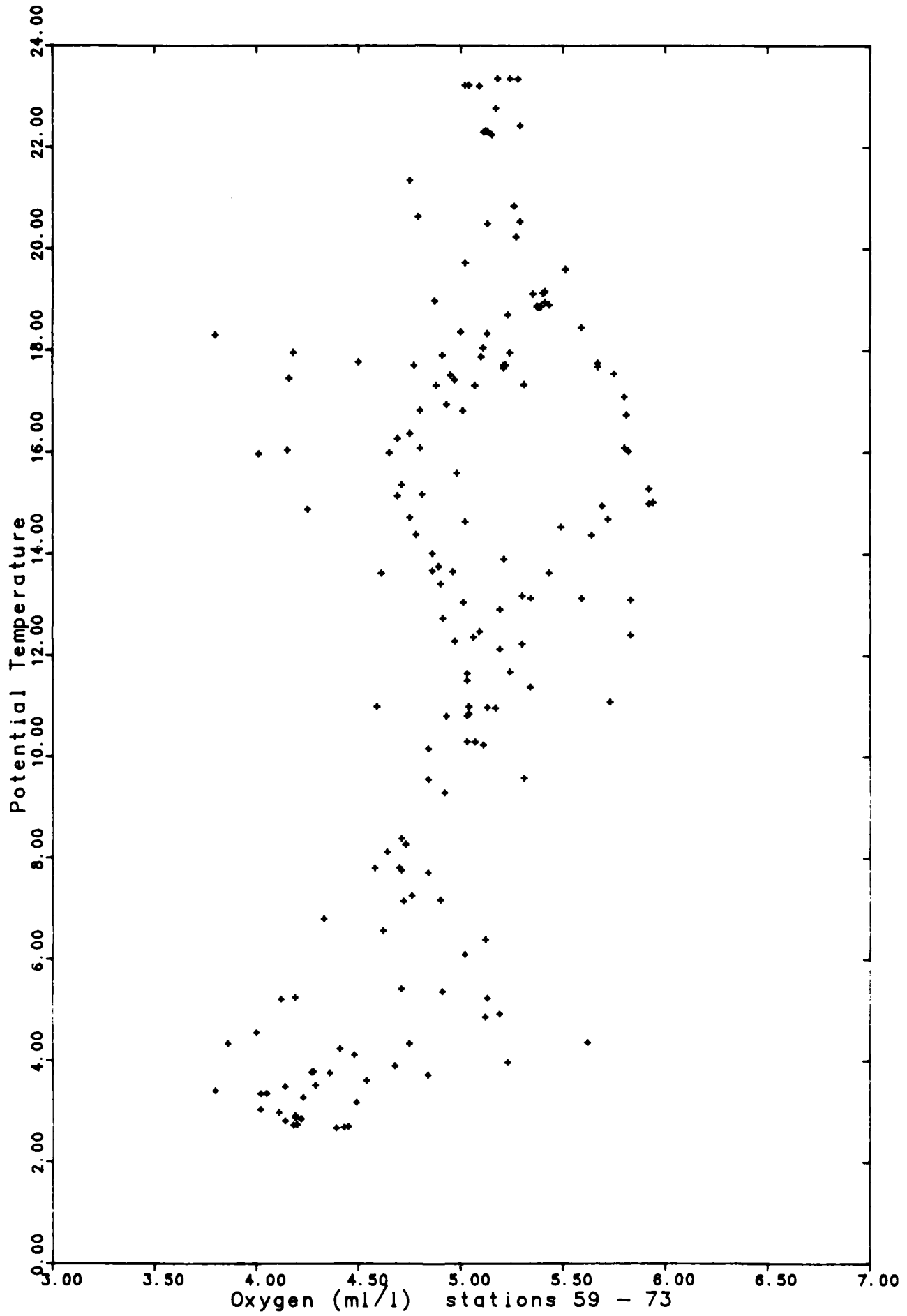

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34.80
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35.80
Salinity stations 74 - 85

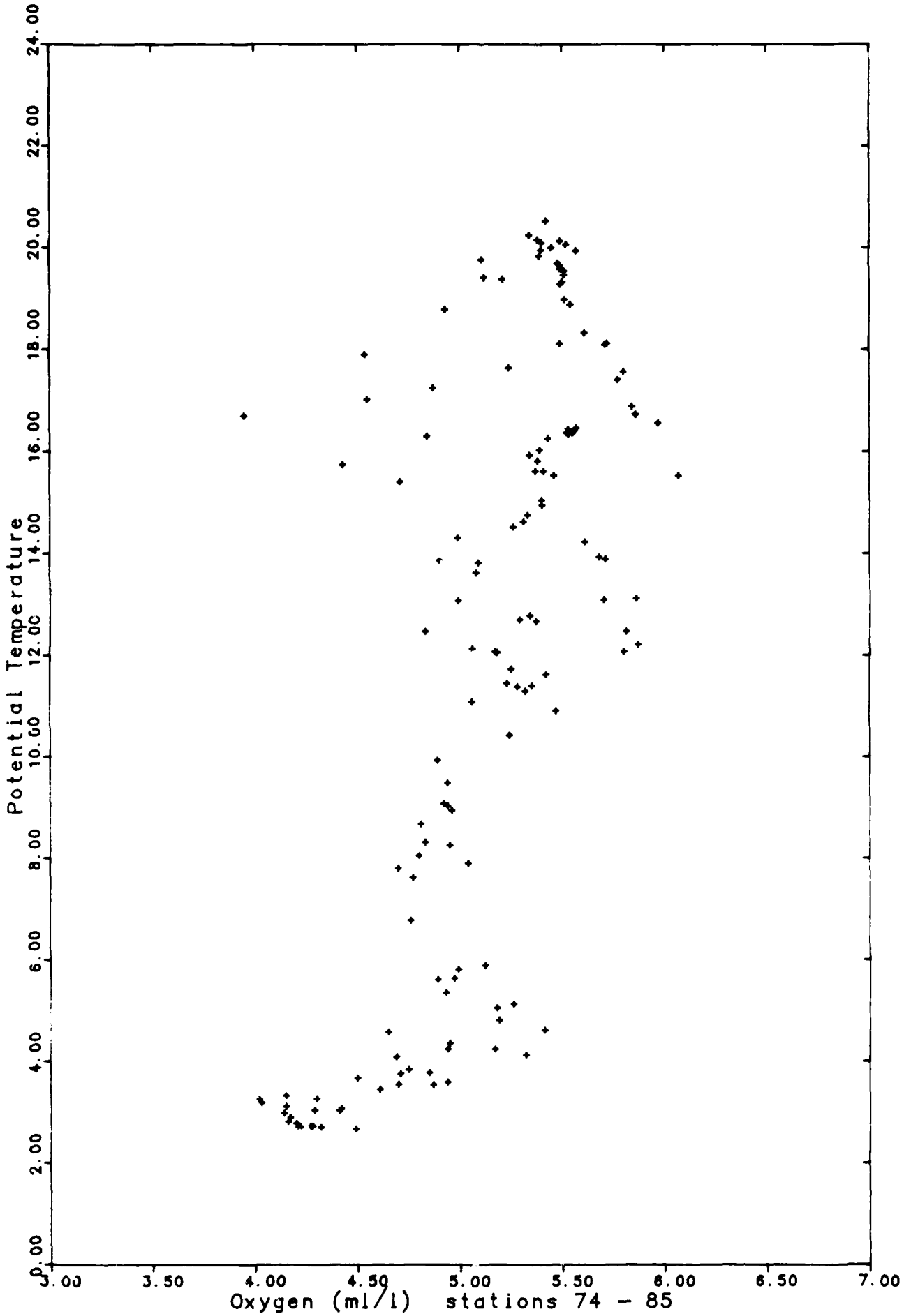

Potential Temperature
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6.50
7.00
Oxygen (ml/l) stations 1 - 17

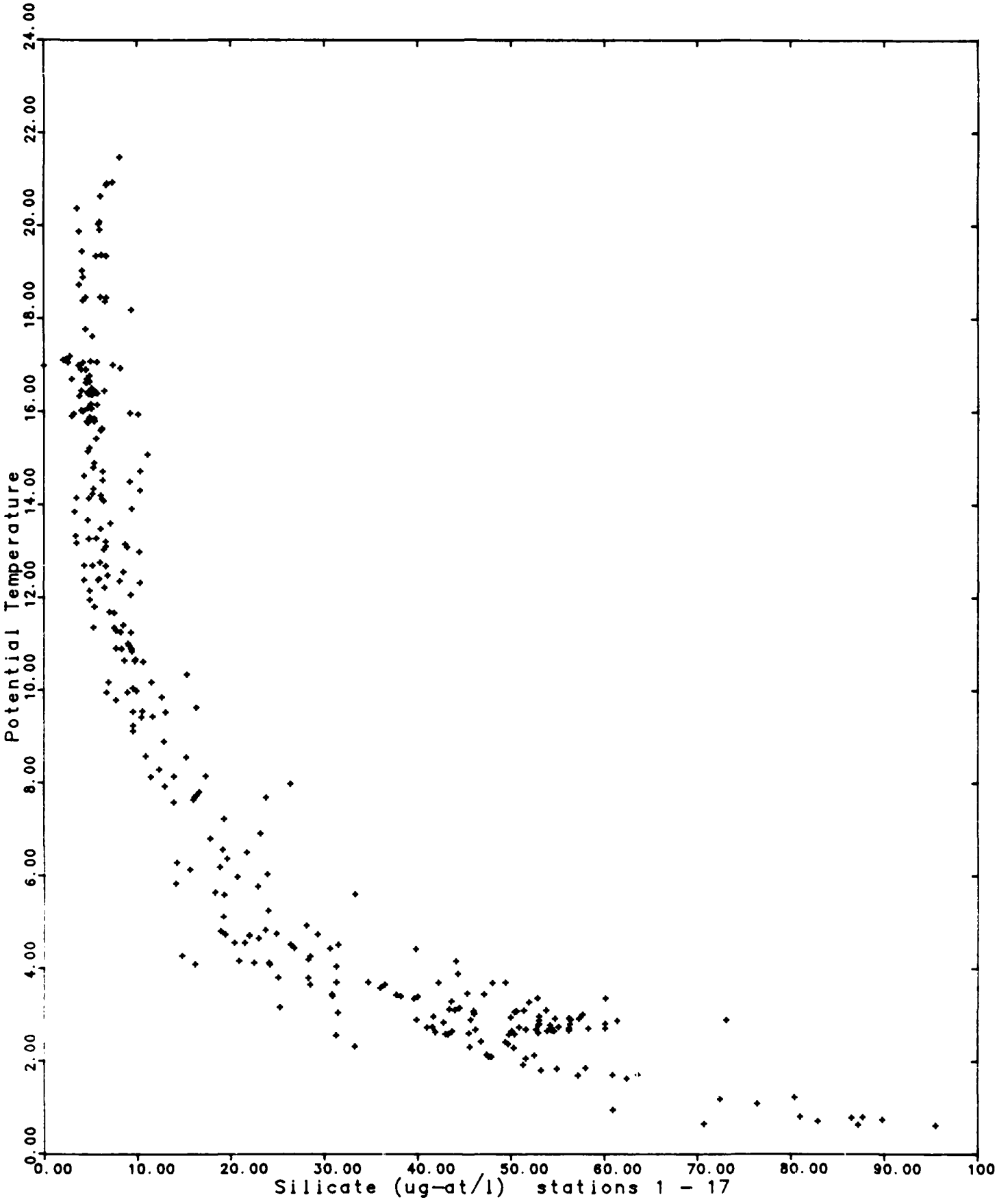

Potential Temperature
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6.50
7.00
Oxygen (ml/l) stations 18 - 38

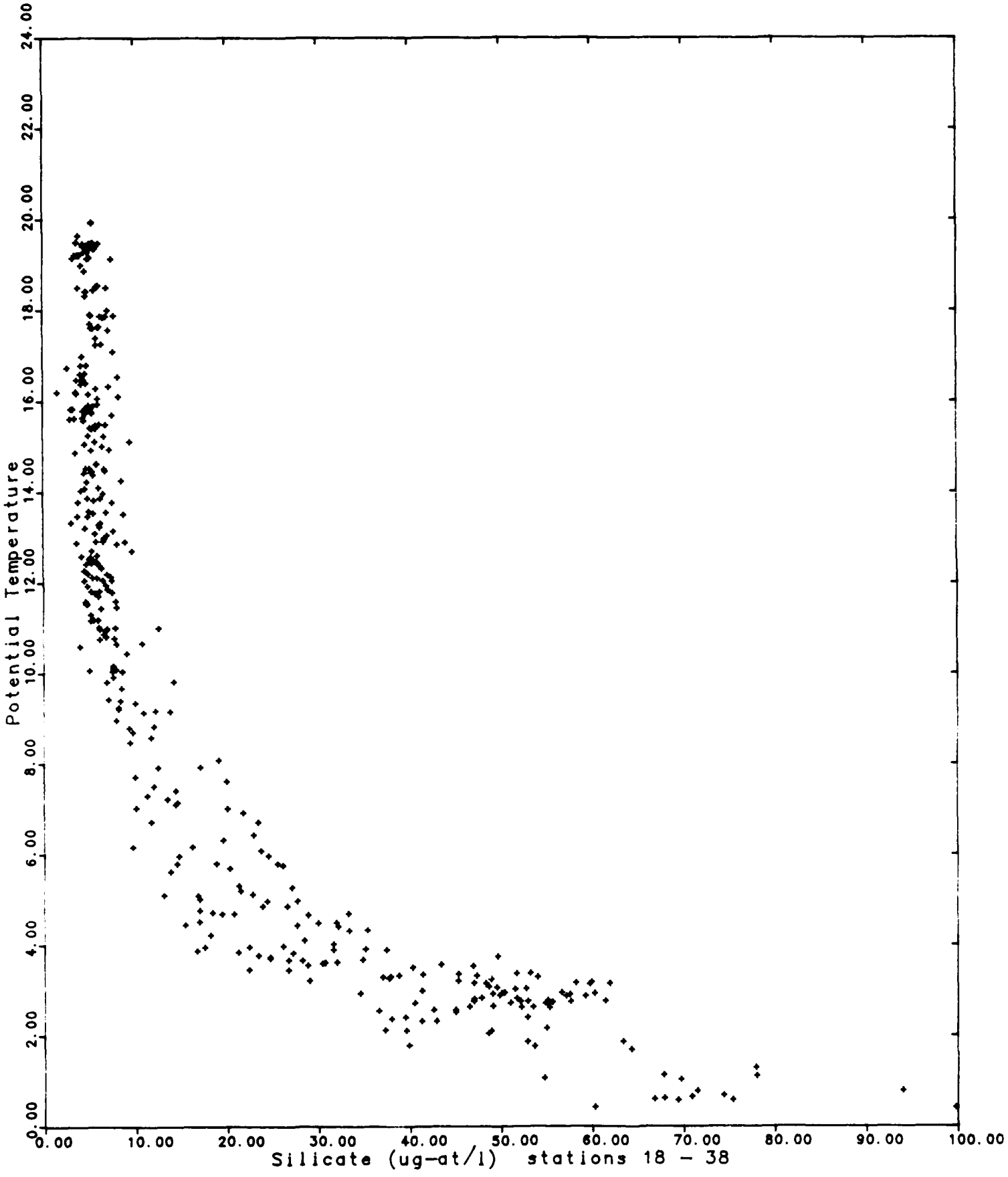

Potential Temperature
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4.00
4.50
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6.00
6.50
7.00
Oxygen (ml/l) stations 39 - 47

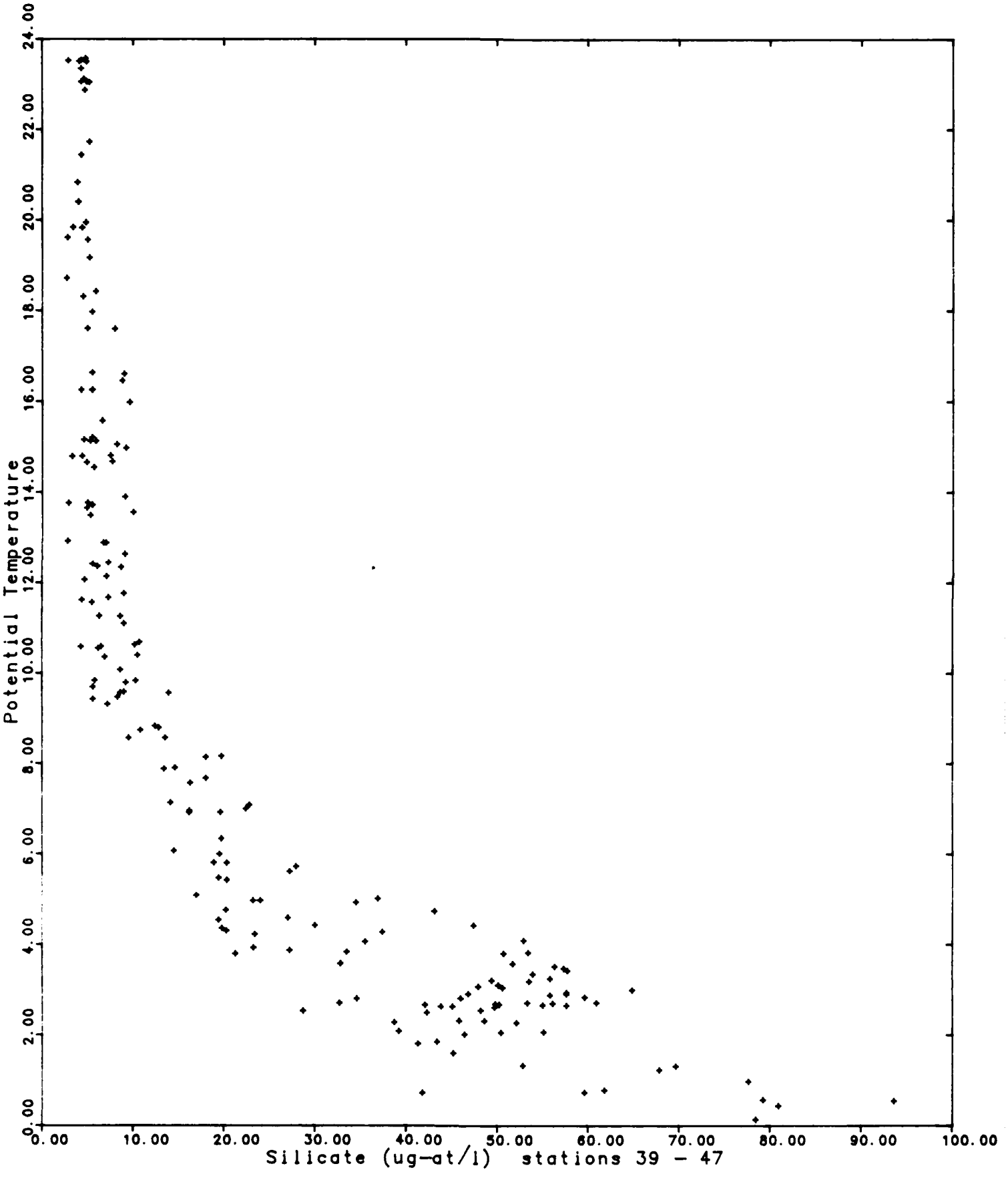

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24.00
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3.50
4.00
4.50
5.00
5.50
6.00
6.50
7.00
Oxygen (ml/l) stations 48 - 58

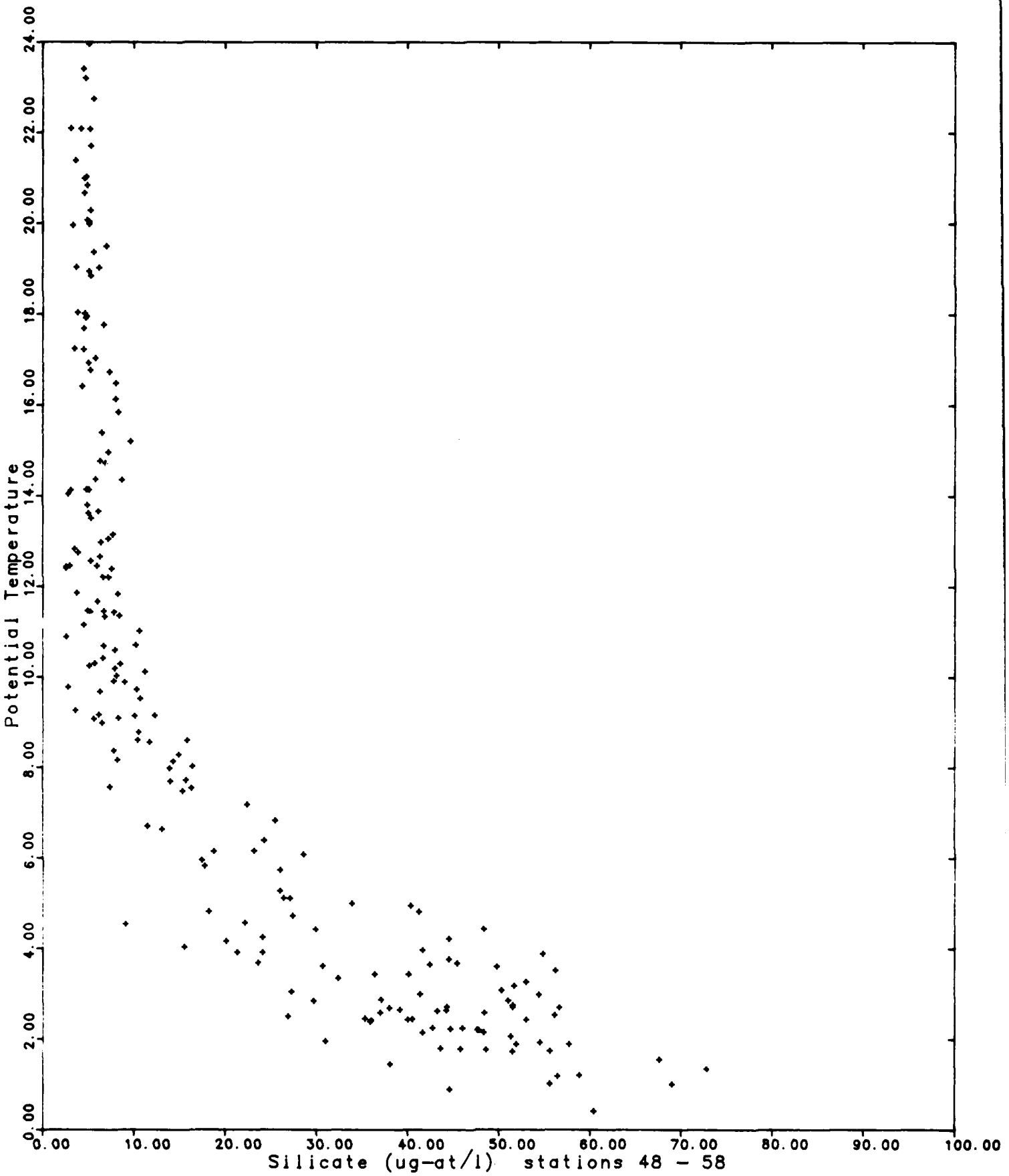

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6.50
7.00
Oxygen (ml/l) stations 59 - 73

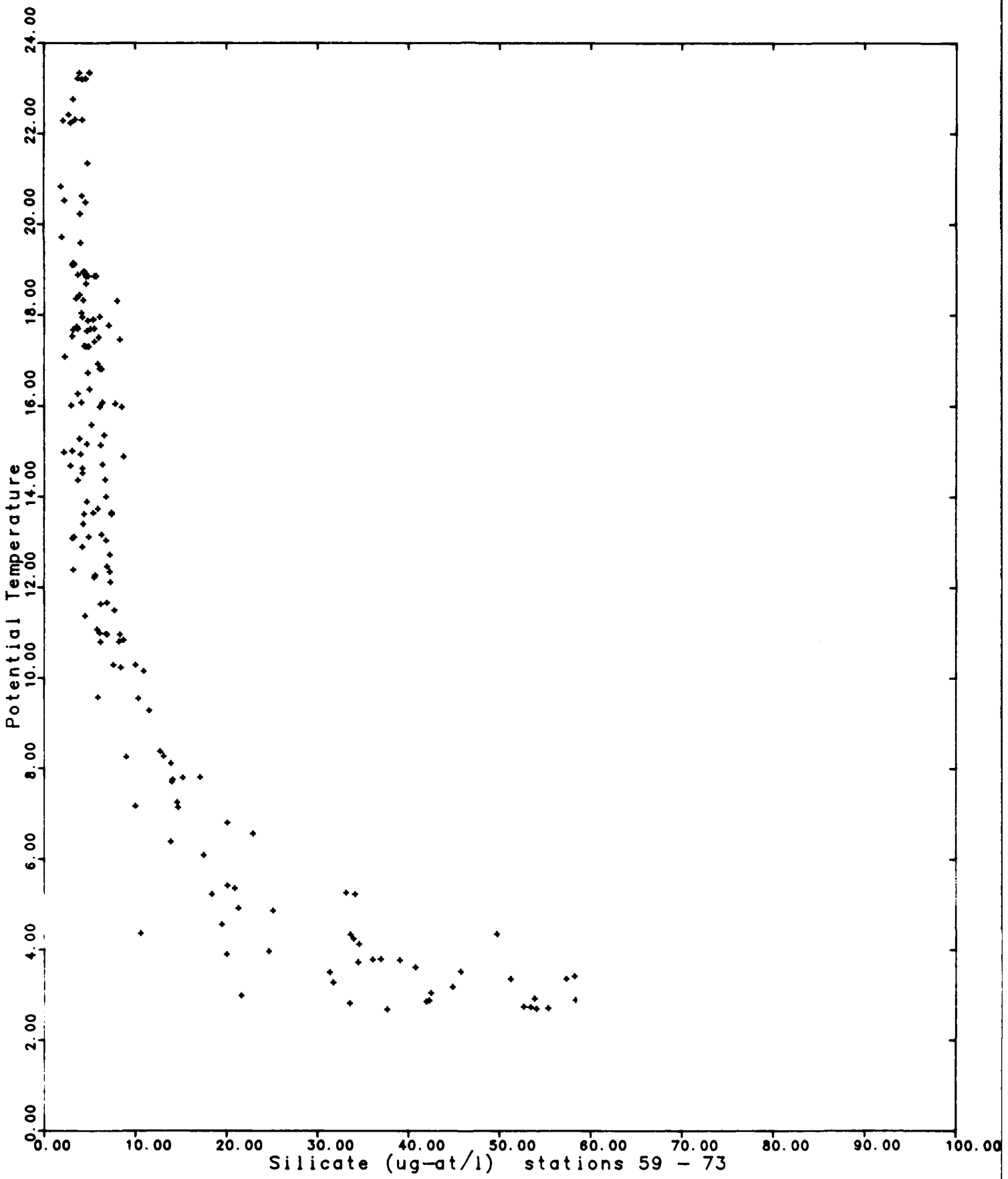

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6.00
6.50
7.00
Oxygen (ml/l) stations 74 - 85

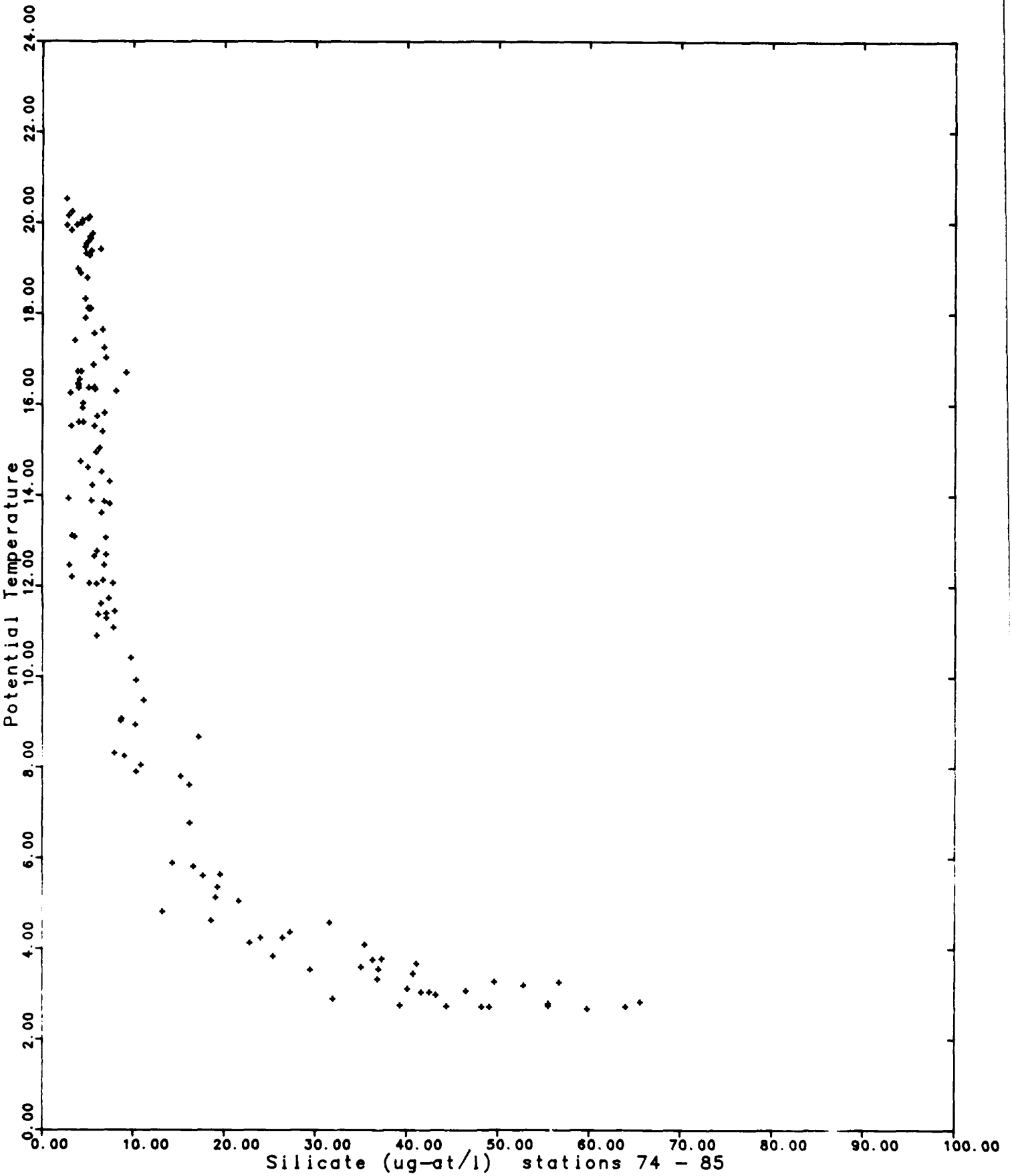

Potential Temperature
24.00
22.00
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18.00
16.00
14.00
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8.00
6.00
4.00
2.00
0.00
0.00
10.00
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100.0
Silicate (ug-at/l) stations 1 - 17

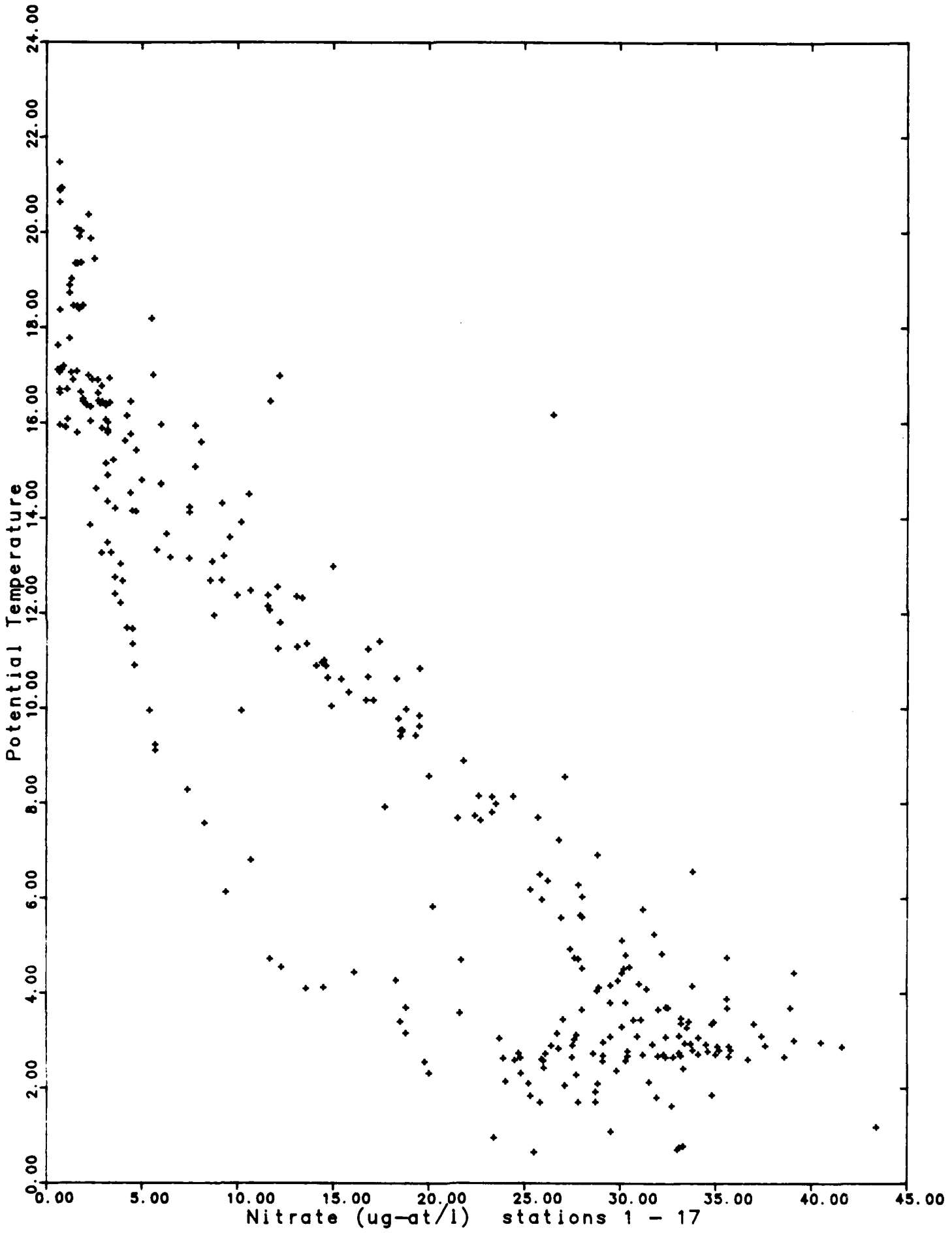

Potential Temperature
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Silicate (ug-at/l) stations 18 - 38

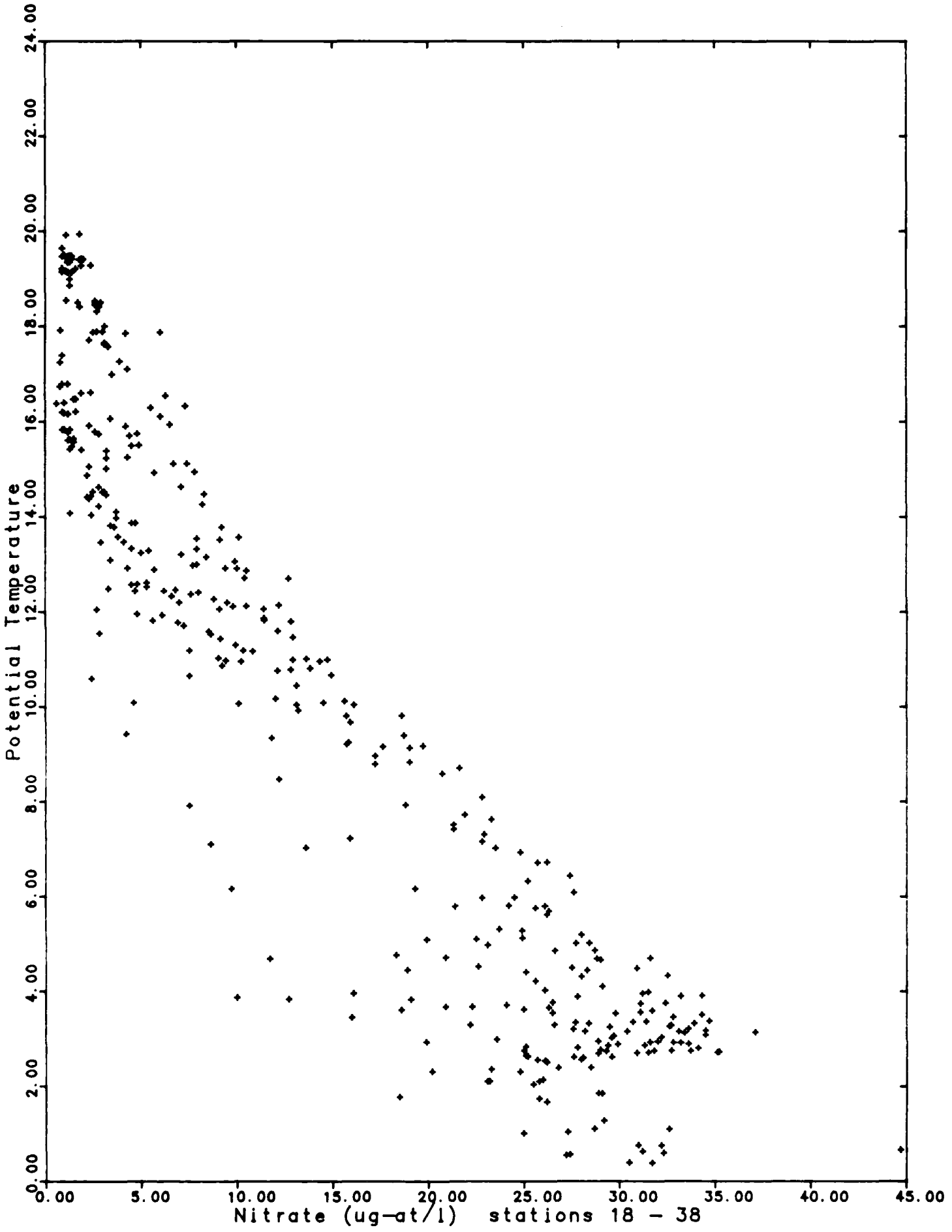

Potential Temperature
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70.00
80.00
90.00
100.00
Silicate (ug-at/l) stations 39 - 47

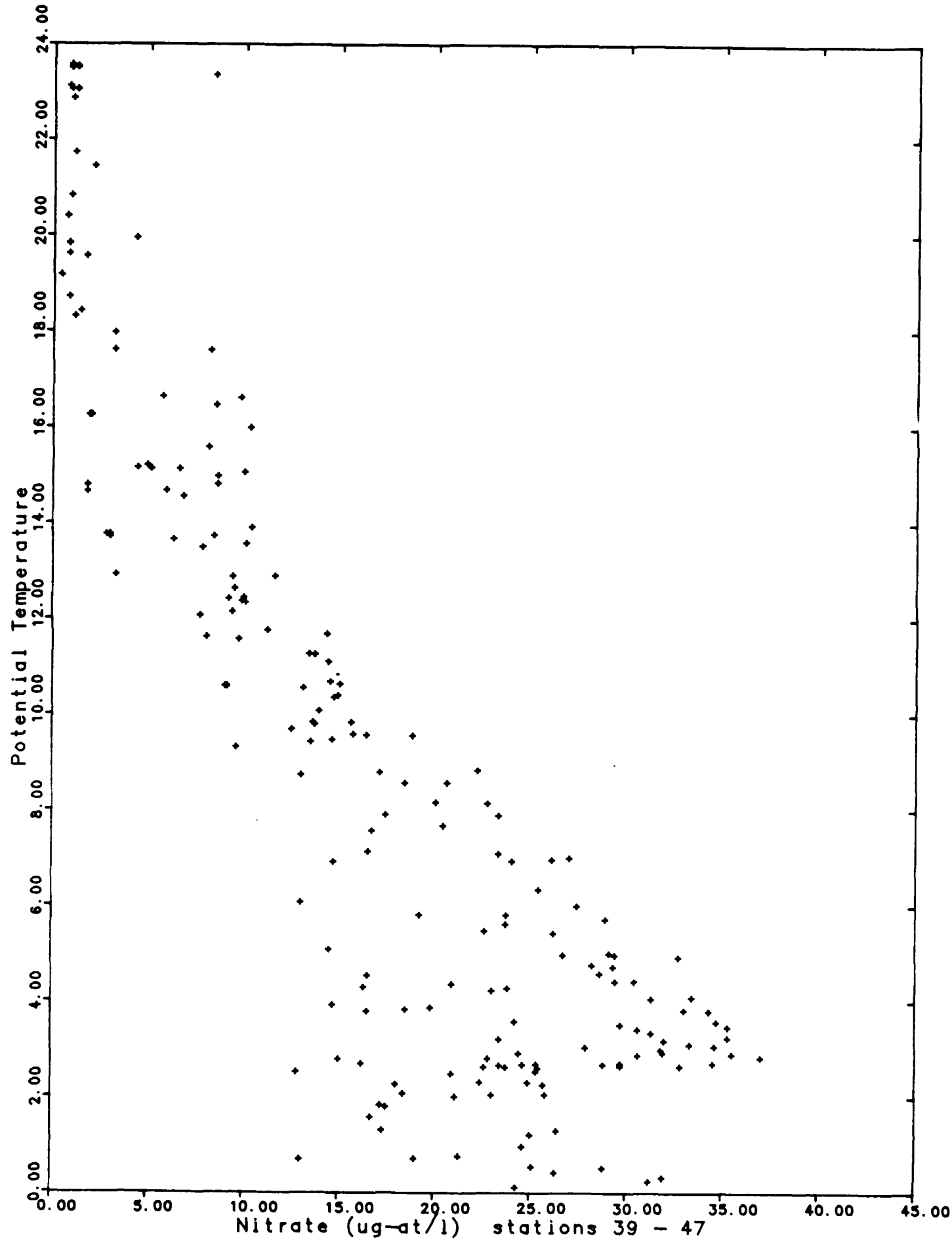

Potential Temperature
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Silicate (ug-at/l) stations 48 - 58

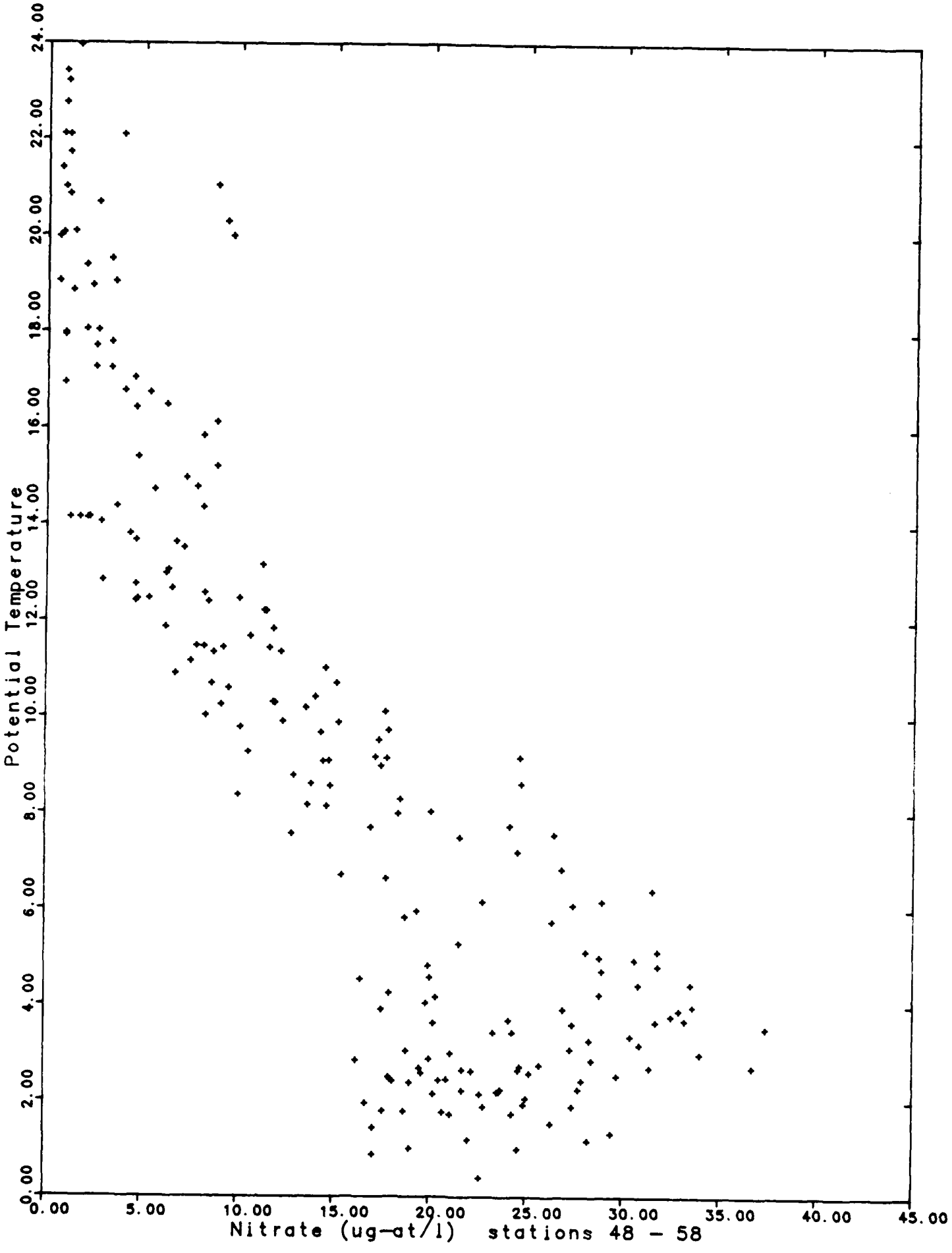

Potential Temperature
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Silicate (ug-at/l) stations 59 - 73

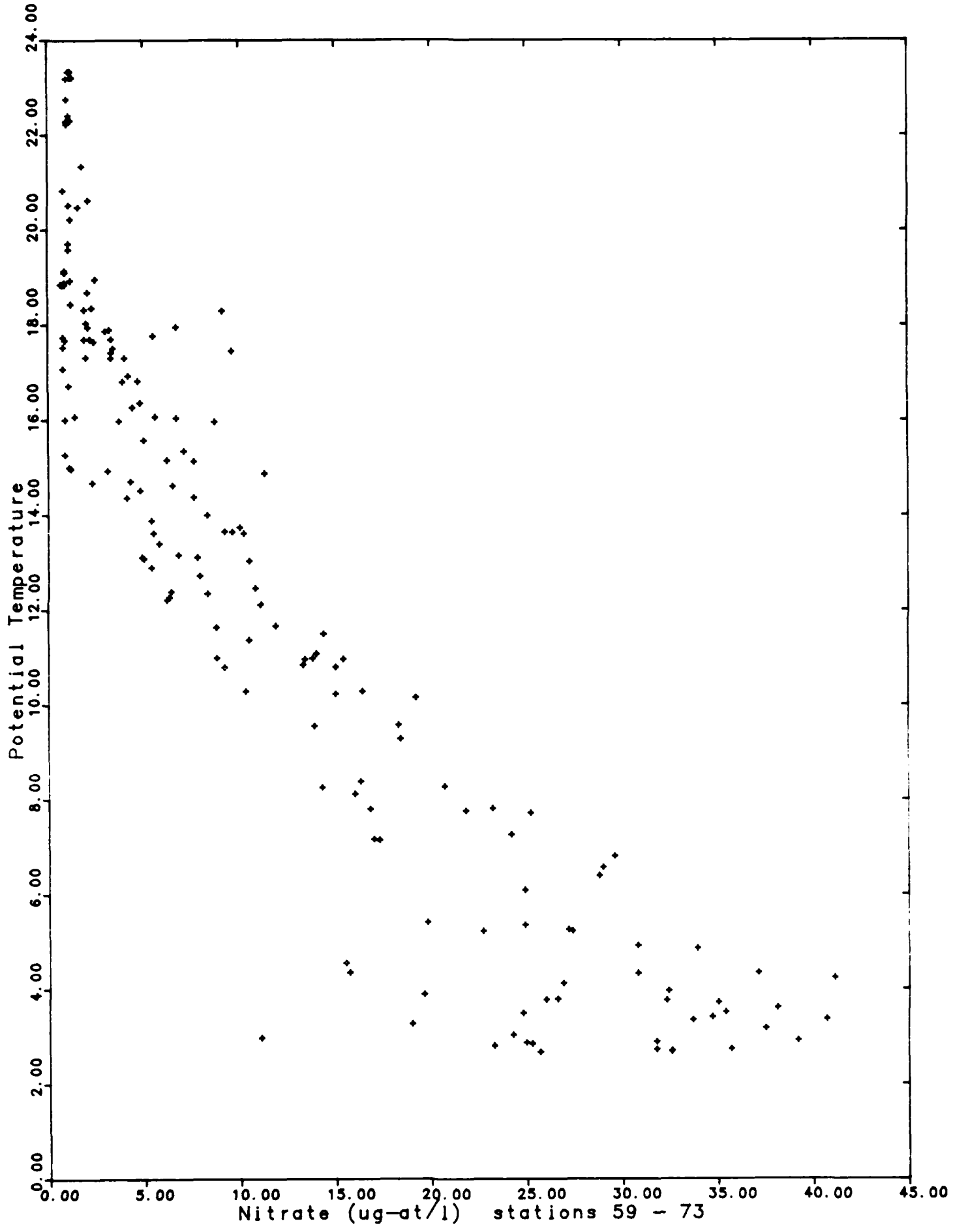

Potential Temperature
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50.00
60.00
70.00
80.00
90.00
100.00
Silicate (ug-at/l) stations 74 - 85

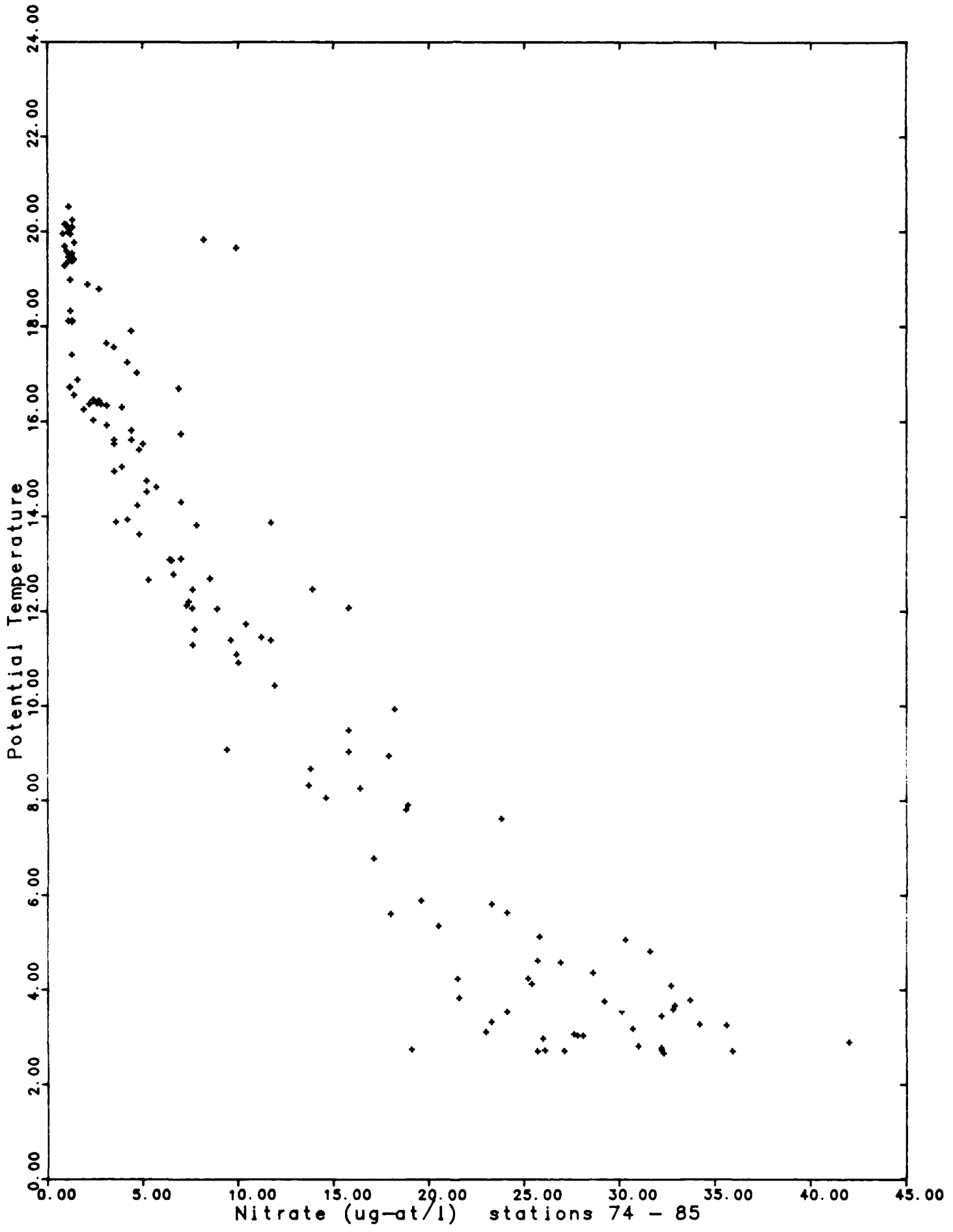

Potential Temperature
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35.00
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45.00
Nitrate (ug-at/l) stations 1 - 17

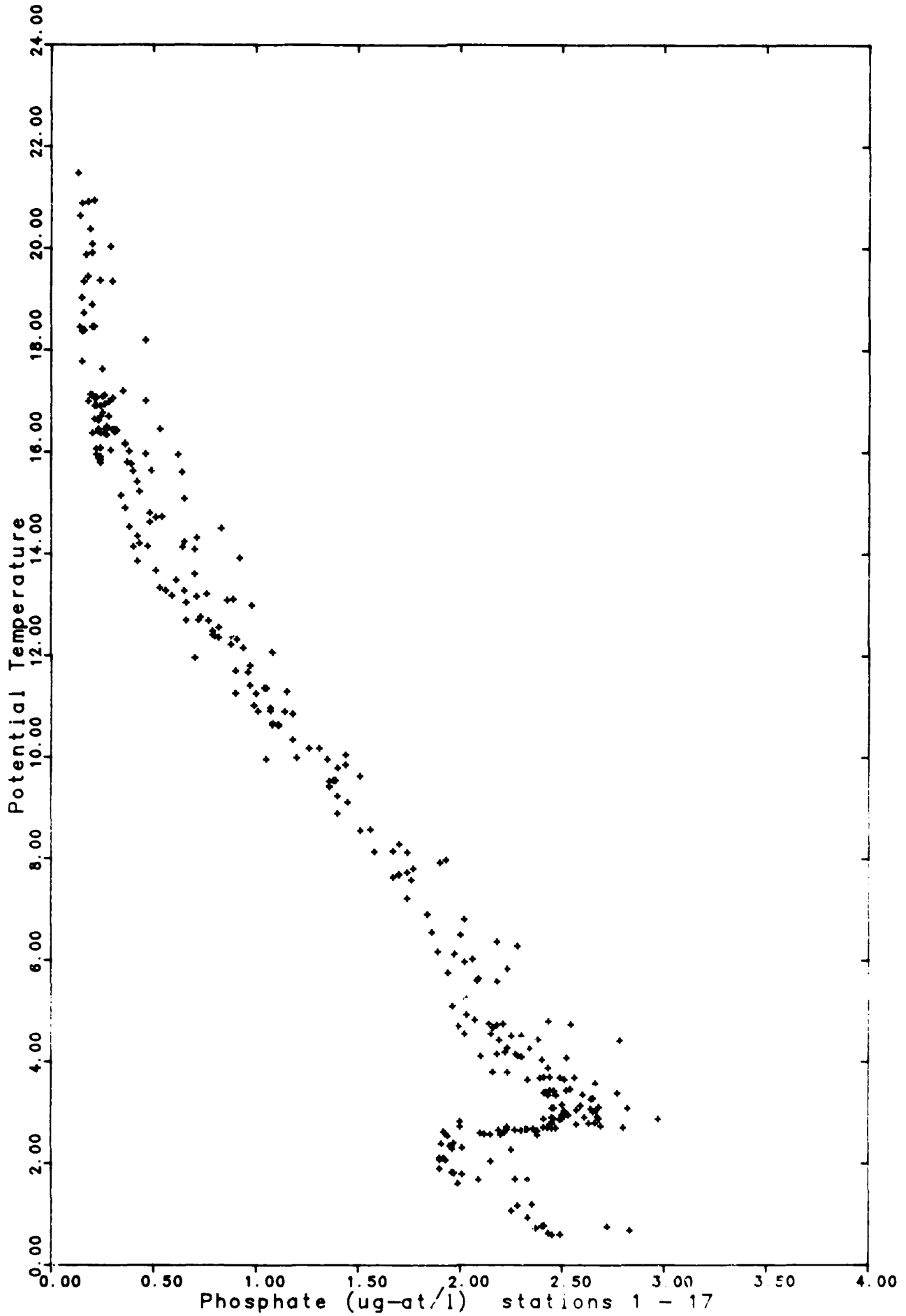

Potential Temperature
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45.00
Nitrate (ug-at/l) stations 18 - 38


Potential Temperature
0.00
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45.00
Nitrate (ug-at/l) stations 39 - 47


Potential Temperature
0.00
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45.00
Nitrate (ug-at/l) stations 48 - 58


Potential Temperature
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Nitrate (ug-at/l) stations 59 - 73

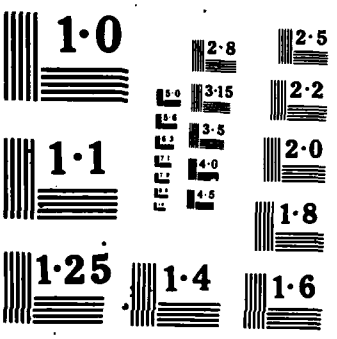

Potential Temperature
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45.00
Nitrate (ug-at/l) stations 74 - 85


Potential Temperature
0.00
2.00
4.00
6.00
8.00
10.00
12.00
14.00
16.00
18.00
20.00
22.00
24.00
0.00
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1.50
2.00
2.50
3.00
3.50
4.00
Phosphate (ug-at/l) stations 1 - 17

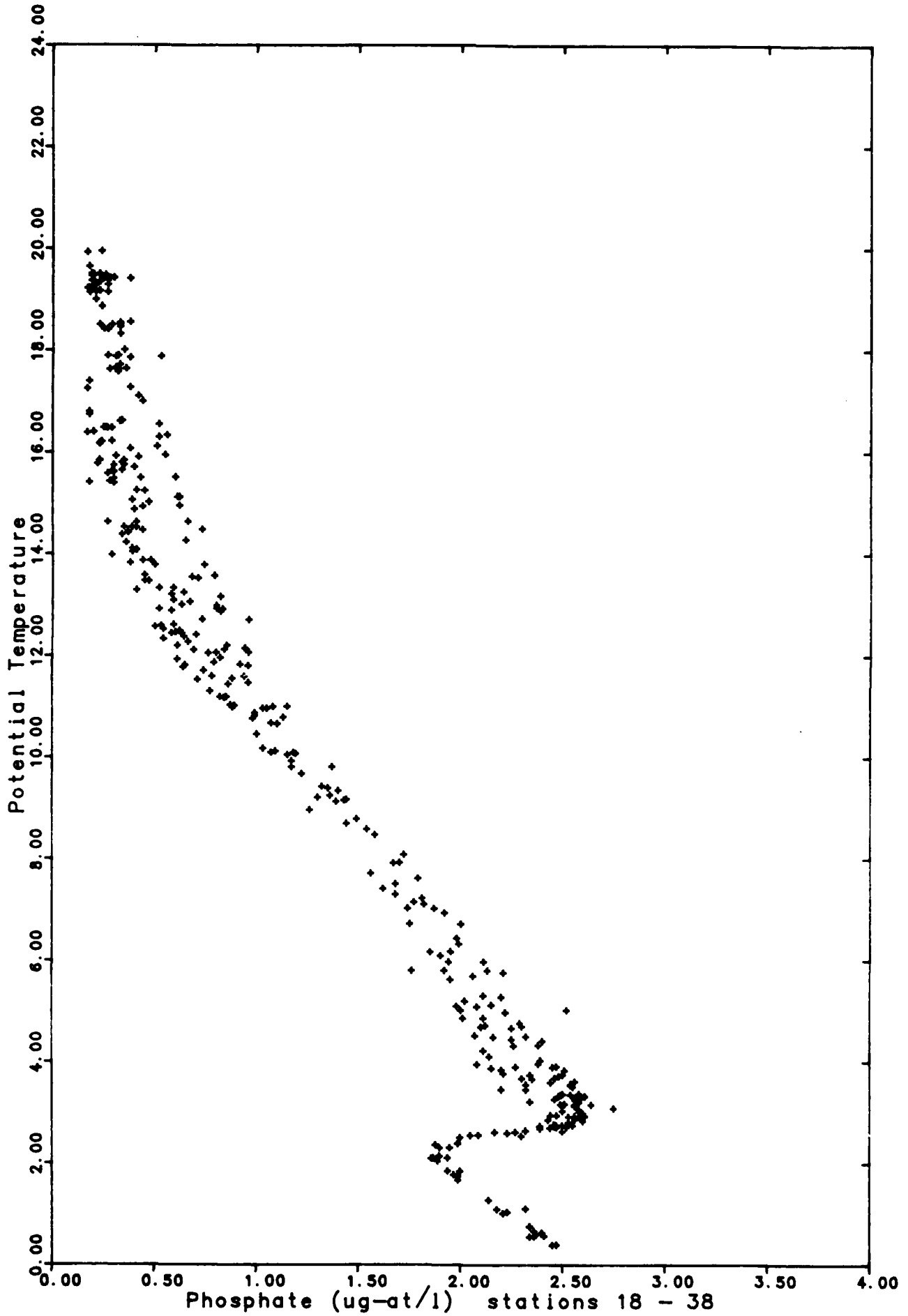
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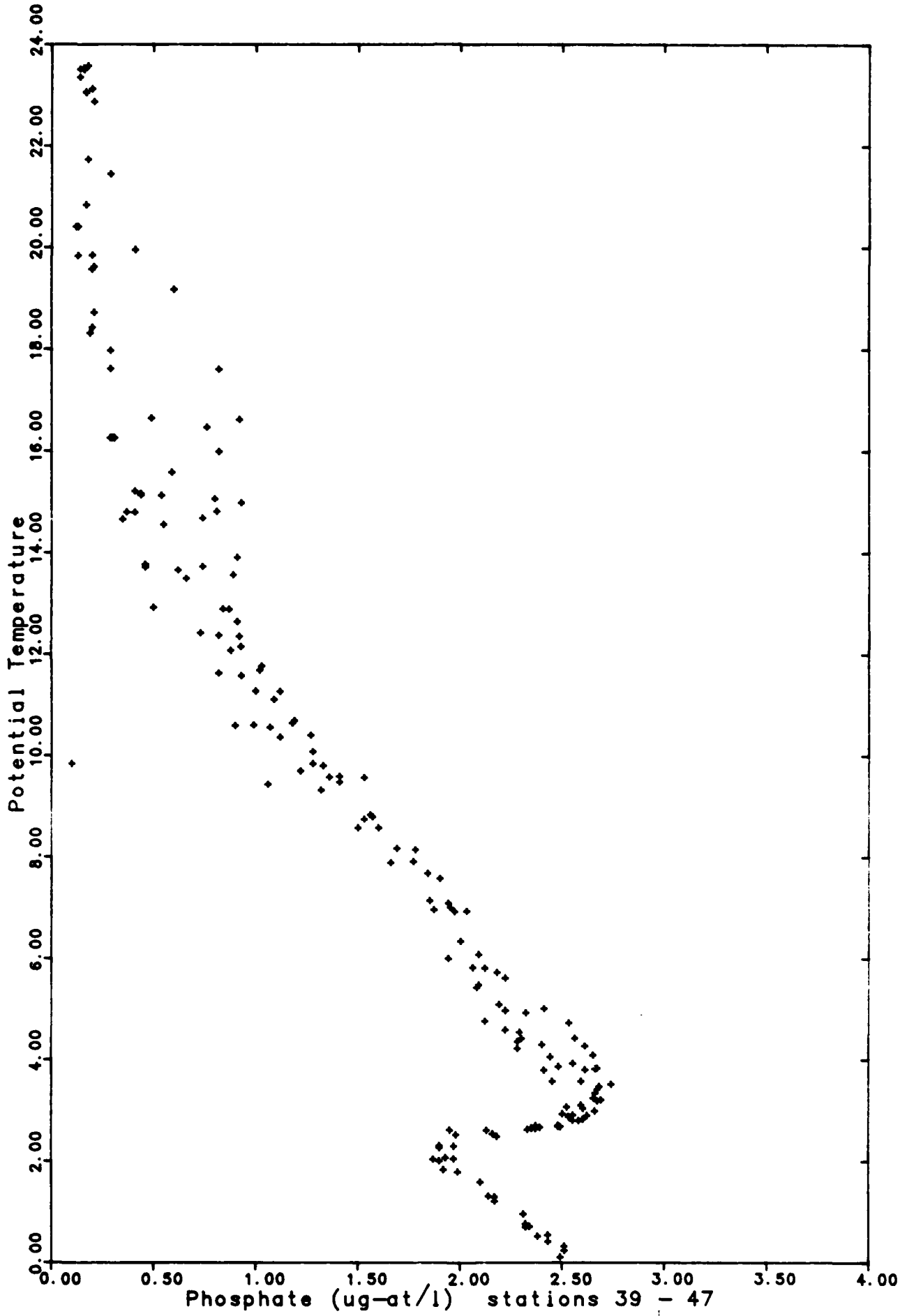
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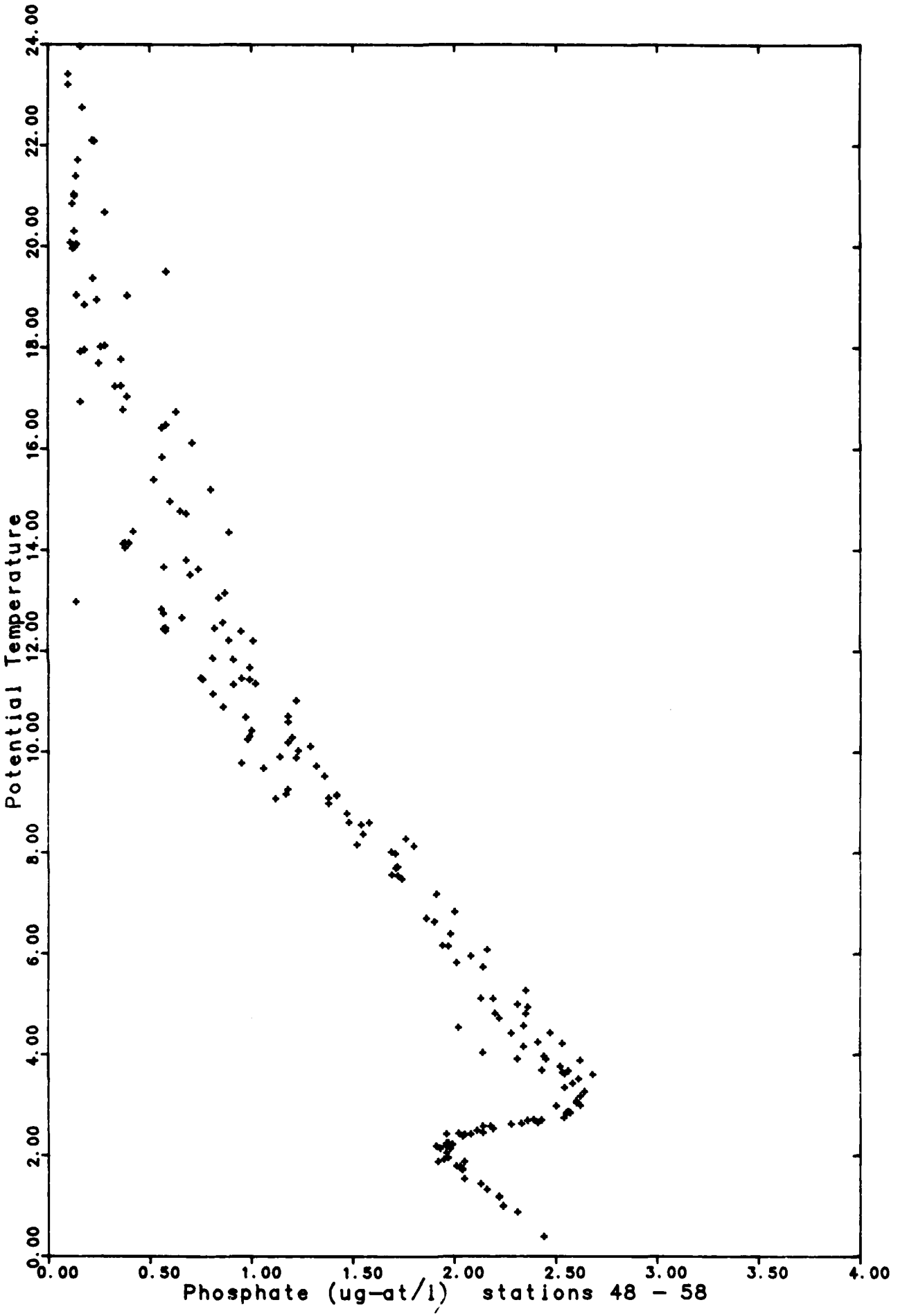


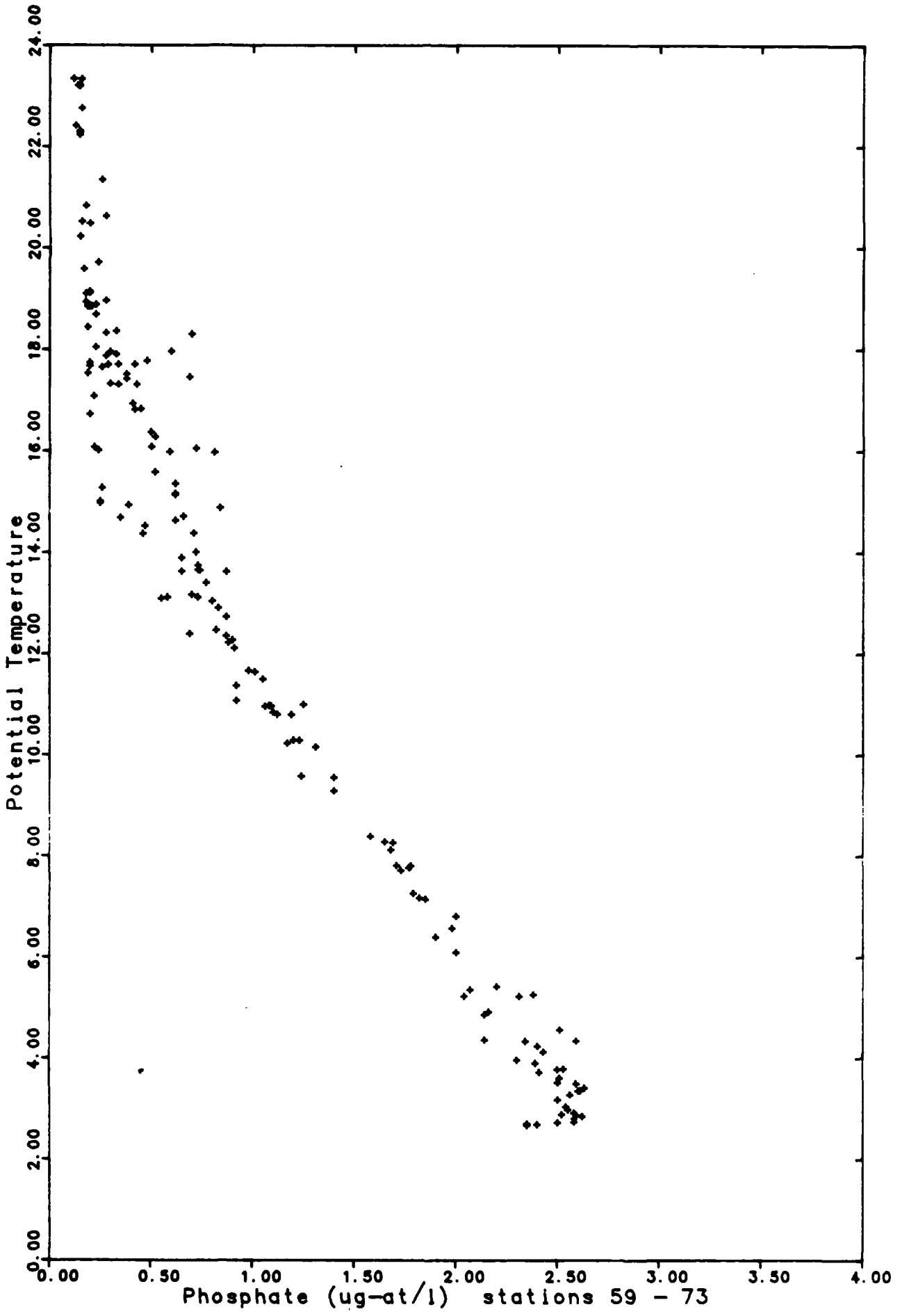


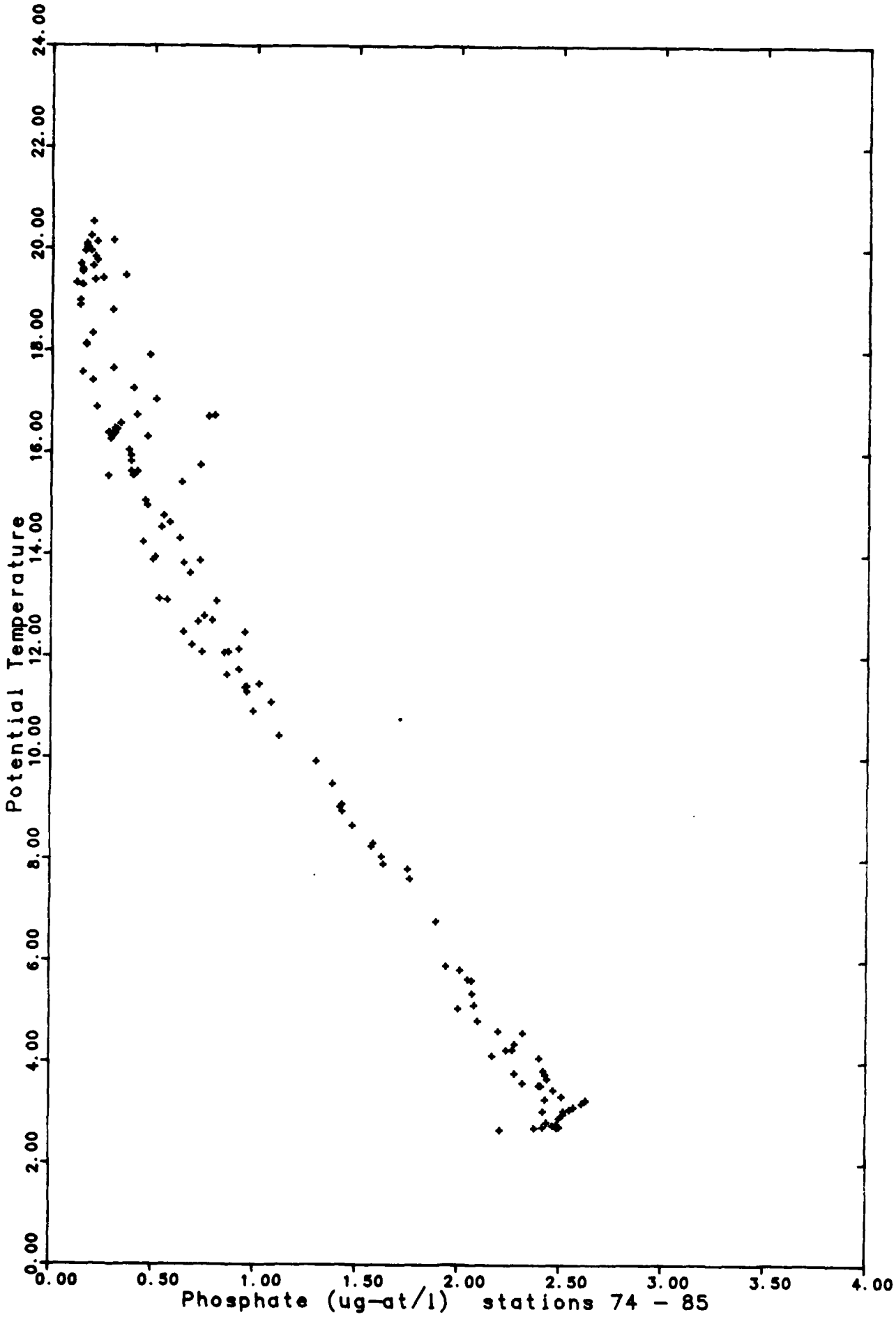
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Potential Temperature
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0.00
0.00
0.50
1.00
1.50
2.00
2.50
3.00
3.50
4.00
Phosphate (ug-at/l) stations 18 - 38


Potential Temperature
0.00
2.00
4.00
6.00
8.00
10.00
12.00
14.00
16.00
18.00
20.00
22.00
24.00
0.00
0.50
1.00
1.50
2.00
2.50
3.00
3.50
4.00
Phosphate (ug-at/l) stations 39 - 47


Potential Temperature
0.00
2.00
4.00
6.00
8.00
10.00
12.00
14.00
16.00
18.00
20.00
22.00
24.00
0.00
0.50
1.00
1.50
2.00
2.50
3.00
3.50
4.00
Phosphate (ug-at/l) stations 48 - 58


Potential Temperature
0.00
2.00
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6.00
8.00
10.00
12.00
14.00
16.00
18.00
20.00
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24.00
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0.50
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2.50
3.00
3.50
4.00
Phosphate (ug-at/l) stations 59 - 73


Potential Temperature
0.00
2.00
4.00
6.00
8.00
10.00
12.00
14.00
16.00
18.00
20.00
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1.00
1.50
2.00
2.50
3.00
3.50
4.00
Phosphate (ug-at/l) stations 74 - 85

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4. TITLE (and Subtitle) Agulhas Retroflection Cruise November-December 1983 Hydrographic (CTD) data		5. TYPE OF REPORT & PERIOD COVERED Final Sep 82-Feb 86 6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s) Dennis B. Camp, William E. Haines, Bruce A. Huber, Sarah E. Rennie, Arnold L. Gordon		8. CONTRACT OR GRANT NUMBER(s) N00014-84-C-0132 Sc00
9. PERFORMING ORGANIZATION NAME AND ADDRESS Lamont-Doherty Geological Observatory of Columbia University Palisades, N.Y. 10964		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS Office of Naval Research 800 N. Quincy Street Arlington, VA 22216		12. REPORT DATE February 1986 13. NUMBER OF PAGES 390
14. MONITORING AGENCY NAME & ADDRESS(if different from Controlling Office)		15. SECURITY CLASS. (of this report) Unclassified 15a. DECLASSIFICATION/DOWNGRADING SCHEDULE

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Agulhas Retroflection Current, Southern Ocean, CTD data

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During November and December 1983, scientists aboard the R/V Knorr studied circulation and stratification of the Agulhas Current off South Africa. Eighty five stations were occupied. The hydrographic and nutrient data from those stations appear in this report as listings and plots. Also, processing methods are explained.

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