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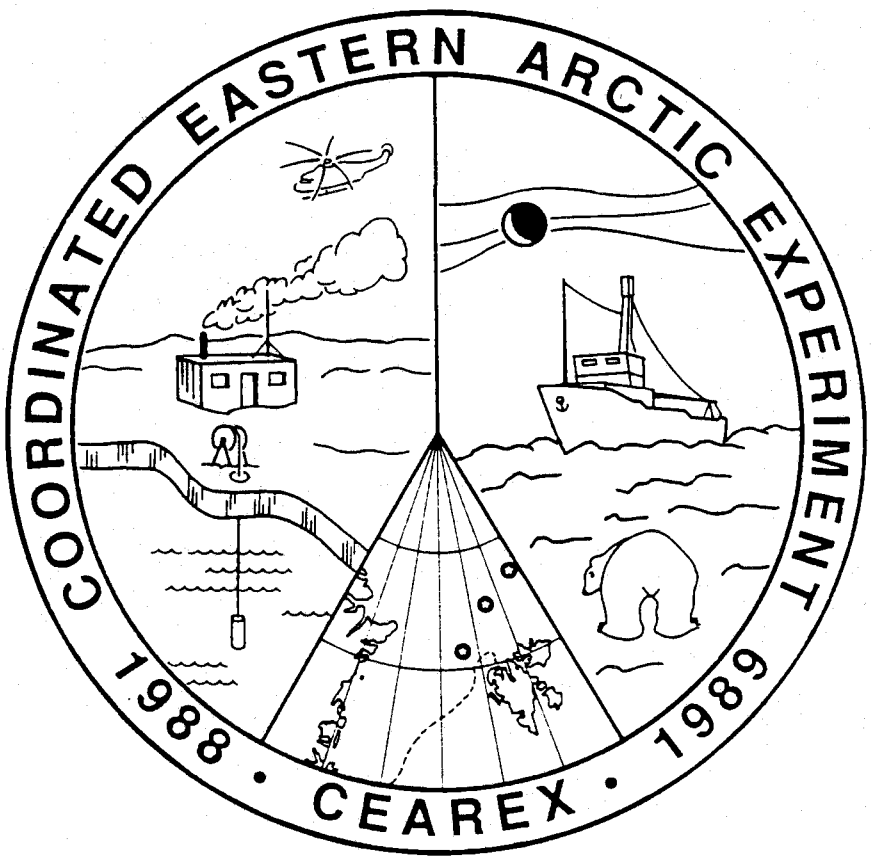


## MICROSTRUCTURE PROFILES DURING CEAREX

by

Laurie Padman
Thomas M. Dillon

Reference 90-2
April 1990
Data Report 150

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The Coordinated Eastern Arctic Experiment (CEAREX) was a multi-platform geophysical study covering the period from winter 1988 to spring 1989 in the vicinity of the Yermak Plateau and Fram Strait. The Oceanography ("O") Camp component of CEAREX was designed to study the physical oceanographic conditions from the deep Nansen Basin

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north of the Yermak Plateau, then into the shallower water over the Plateau. This area was known from previous experiments (Fram III, Fram IV, MIZEX '83) to be a very energetic region, in which much of the decay of the Atlantic Water flowing into the Arctic Basin occurs. The various programs at "O" Camp obtained data which will improve our understanding of the decay mechanisms, including the role of topographically enhanced diurnal tides, internal waves, and mixing by ice stress at the surface.

Our component of this project was the direct measurement of microscale velocity shear, temperature and salinity, using the Rapid Sampling Vertical Profiler. These data are used to estimate (a) the rate at which turbulent kinetic energy is dissipated, (b) vertical eddy diffusivities, and (c) vertical fluxes of heat, salt, and momentum. More than 1500 profiles were obtained over a depth range of 0–350 m for the period March 30 to April 24, 1989, including 20 days of continous operation (more than 1 profile per hour), from April 4 to April 24. The data show both the geographic variability associated with the topography, as well as rapid variations due to high frequency internal waves. Good data was obtained both in the surface layer (mixed by surface stress), and in the pycnocline (mixed by shear instabilities). The results confirm the importance of topographic effects on the decay of the Atlantic Water in this region.

# Microstructure Profiles During CEAREX

## [Data Report]

by

**Laurie Padman**

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Sponsor:
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## ABSTRACT

The Coordinated Eastern Arctic Experiment (CEAREX) was a multi–platform geophysical study covering the period from winter 1988 to spring 1989 in the vicinity of the Yermak Plateau and Fram Strait. The Oceanography ("O") Camp component of CEAREX was designed to study the physical oceanographic conditions from the deep Nansen Basin north of the Yermak Plateau, then into the shallower water over the Plateau. This area was known from previous experiments (Fram III, Fram IV, MIZEX '83) to be a very energetic region, in which much of the decay of the Atlantic Water flowing into the Arctic Basin occurs. The various programs at "O" Camp obtained data which will improve our understanding of the decay mechanisms, including the role of topographically enhanced diurnal tides, internal waves, and mixing by ice stress at the surface.

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**Acknowledgements**

We thank Mike Neeley-Brown for his tireless efforts during the preparation for this experiment, Dennis Barstow for assistance with sensor calibration, Kean Stump for the development of the analysis software, and Jay Simpkins for his dedication to the collection of the microstructure data at "O" Camp. This work was supported by the Office of Naval Research, contracts N00014–87–K–0009 and N00014–90–J–1042.

# TABLE OF CONTENTS

## INTRODUCTION

During CEAREX (the Coordinated Eastern Arctic Experiment), more than 1500 profiles of temperature, conductivity, and velocity shear microstructure were obtained from the Oceanography ("O") Camp in March and April, 1989, including a 20–day continuous time series from 5 April to 25 April. The camp was established on the drifting pack ice north of the Yermak Plateau, and was carried from deep water ($> 4000$ m) onto the northern slope, then around the plateau in about 1700 m of water for several days before heading westward across northern Fram Strait (see Section 1).

### A: The Experiment

CEAREX was a multi-investigator Arctic oceanographic experiment conducted from several platforms, including the "O" Camp from which the data discussed herein were obtained. Other data from "O" Camp include Acoustic Doppler Current Profiler (ADCP) measurements in the upper several hundred meters, and densely sampled CTD data, as well as water depth and meteorological information. Table 1 lists the other Principal Investigators at "O" Camp.

Approximately 1500 microstructure profiles were made with the Rapid-Sampling Vertical Profiler (RSVP) [Caldwell, *et al.*, 1985; Padman and Dillon, 1987] from March 31 to April 25, 1989, between the surface and a typical maximum profiled depth of 340 m. The cycling time between profiles was usually 15–20 minutes, although the sampling interval was reduced to about 10 minutes over a smaller depth range when energetic mixing events or hydrographically interesting features were observed.

The RSVP (Fig. 1) is a tethered, freefall profiler about 1.4 m long, equipped with sensors for measuring pressure, $P$, microscale velocity shears, $u_z(\equiv \partial u/\partial z)$ and $v_z(\equiv \partial v/\partial z)$, temperature, $T$, and conductivity, $C$. The probe length is a compromise between ease of deployment and resolution of low-wavenumber velocity structure. The average fall rate is about 0.7 $\mathrm{ms}^{-1}$, constrained by a drag element consisting of an annular brush near the rear of the probe during descent, but able to slide towards the RSVP's nose for improved retrieval dynamics. The raw data sampling rate during CEAREX was 256 Hz for all channels. Temperature was measured with a Thermometrics FP07 thermistor, which projects

forward from the probe nose assembly. This thermistor has an approximately flat frequency response to 20 Hz. Conductivity was measured with a Neil Brown Instrument Systems (NBIS) conductivity cell mounted on the side of the probe, 0.15 m above the probe tip. For salinity determination a second Thermometrics FP07 thermistor was mounted adjacent to the conductivity sensor. The NBIS cell has a response length of O(0.1) m [Gregg, *et al.*, 1982], so that at the nominal fall rate the time constant of the conductivity cell is 0.14 s. Post-analysis of the conductivity data indicated a small time varying calibration offset voltage: conductivities have therefore been corrected by comparison with CTD data, kindly provided by J. Morison. Vertically averaged salinity, $S$, is determined from similarly filtered $T$ and $C$: the spatial separation of the thermistor and conductivity cell is accounted for by lagging the temperature signal by 0.03 s, about 0.02 m, determined by an empirical search for minimized salinity spiking in a region with low dissipation rates. This lag is consistent with the physical separation of the two sensors. With the optimum lag for $T$ incorporated, the effective resolution for $S$ and density, $\sigma_t$, is about 0.2 m. Least significant bit resolutions of the raw (256 Hz) 16-bit records are about $1.5 \times 10^{-4}$°C in temperature, and $1.5 \times 10^{-5}$ S m$^{-1}$ in conductivity.

Velocity microstructure was measured with two orthogonally mounted airfoil shear sensors on the RSVP's nose. These probes [Osborn and Crawford, 1980] have a spatial resolution of about 0.03 m, sufficient to resolve most of the "universal", or Kolmogorov, shear spectrum for typical oceanic dissipation rates. Estimates of the turbulent kinetic energy dissipation rate, $\epsilon$, were made for approximately 1.4 m depth intervals by integrating the velocity shear spectra in the wavenumber range of 2 to 20 cpm. Assuming isotropy of velocity fluctuations in this wavenumber band,

$$\epsilon = \frac{15}{2}\nu\frac{\overline{(u_z^2 + v_z^2)}}{2} \tag{1}$$

where $\nu$ is the kinematic viscosity of seawater, about $1.8 \times 10^{-6}$ m$^2$ s$^{-1}$ at these low temperatures. Obvious spikes on the shear channels due to impacts with biota and other particles are edited prior to calculating shear variance: a further check is carried out by comparing the variance, skewness and kurtosis from the two shear probes, and discarding the higher variance if any of the above moments of the shear distribution seem un-realistic.

The noise level based on measured microscale shears in the quietest regions appears to be about $10^{-9}$ $Wkg^{-1}$, substantially higher than during AIWEX [Padman and Dillon, 1987]. We believe that this is due to a change in the dynamics of the RSVP, which in CEAREX was an air–filled, pressure–sealed case compared with an oil–filled instrument in AIWEX. The probable result of the latter change, which was compensated for by a reduction in the number and size of drag and buoyancy elements near the instrument's tail, is an increase in motion near the instrumented nose. However, typical dissipation rates in turbulent patches were $10^{+3}$ times greater than the noise level, so that the mixing processes which contribute most to the time–averaged evolution of the large–scale hydrographic fields are well resolved. The noise level was lowest in regions where the thermal gradients were smallest, notably in the warm, almost isothermal Atlantic layer slab which was sampled at the end of the experiment. This suggests that the shear probes' thermal response, discussed by Osborn and Crawford [1980] and Padman and Dillon [1987], may also contribute to setting the noise level on dissipation rate measurements.

An *upper* limit on fully resolved shear spectra is set by the finite response length scale of the airfoil shear probes. The Kolmogorov shear spectrum contains energy at all scales larger than the Kolmogorov microscale:

$$l_k = (\nu^3/\epsilon)^{1/4} \tag{2}$$

although the spectral peak occurs at wavelengths of about $10l_k$. For $\epsilon = 1 \times 10^{-6}$ $m^2s^{-3}$, $l_k$ is about 0.01 m, and the peak spectral density lies at wavelengths of about 0.1 m. Some correction can be made for the finite response of the shear probes, however in all the data presented in this report, the correction to $\epsilon$ is less than 30%, which is less than the potential calibration errors on the probes themselves.

## B: Description of Data

The data shown in this report are divided into 5 sections. Section 1 shows the drift track of "O" camp overlaid on the local bathymetry, and provides a table of hourly interpolated camp positions, derived from approximately hourly satellite fixes. The original data was provided by M. McPhee. The bathymetry is based on a chart from Jackson *et al.*

[1984], updated with along–track bathymetry collected during the "O" Camp drift by D. Farmer and D. Menemenlis (Institute of Ocean Sciences, Sidney, B.C., Canada). Section 2 lists the start time of each microstructure profile.

In the third section, we present profiles of temperature, $T$, salinity $S$, density, $\sigma_t$, and turbulent kinetic energy dissipation rate, $\epsilon$, selected at approximately 4–hour intervals throughout the experiment. Basic features common to all profiles are a surface layer which is almost homogeneous in $T$, $S$ and $\sigma_t$, and a temperature maximum near 250 m which represents the extension of the West Spitzbergen Current into the Arctic Basin. The surface layer has a temperature of about -1.85° C, which is close to the freezing point for the measured salinity of about 34.1–34.2 psu. The Atlantic layer core has a temperature of above 2° C in almost all profiles.

The fourth section presents contour plots of $T$, $S$, $\sigma_t$ and $\epsilon$, with the entire experiment to each page. A 4–hour filter has been applied to this data for plotting clarity. The final section provides the same data at 5 days per page, with a 1–hour temporal filter.

## C: References


Caldwell, D.R., T.M. Dillon and J.N. Moum, 1985: The Rapid-Sampling Vertical Profiler: an Evaluation. *J. Atmos. Oceanic Technology*, **2**, 615– 625.

Gregg, M.C., J.C. Shedvin, W.C. Hess and T.B. Meagher, 1982: Dynamic Response Calibration of the Neil Brown Conductivity Cell. *J. Phys. Oceanogr.*, **12**, 720–742.

Jackson, H.R., G.L. Johnson, E. Sundvor, and A.M. Myhre, 1984: The Yermak Plateau: Formed at a Triple Junction. *J. Geophys. Res.*, **89**, 3223–3232.

Osborn, T.R. and W.R. Crawford, 1980: An Airfoil Probe for Measuring Turbulent Velocity Fluctuations in Water. In *Air-Sea Interaction: Instruments and Methods*, Plenum Press, New York, 801 pp.

Padman, L., and T.M. Dillon, 1987: Vertical Heat Fluxes Through the Beaufort Sea Thermohaline Staircase. *J. Geophys. Res.*, **92**, 10799–10806.

**Table 1: "O" Camp Principal Investigators**

| Investigator | Measurements |
|---|---|
| Colony | Under–ice mapping |
| Dillon/Padman | Microstructure profiling |
| Farmer | Acoustic scintillation |
| Levine/Paulson | Current meter array |
| | Acoustic Doppler current profiling |
| | (T,S) array |
| McPhee | Mixed layer turbulence |
| | Large–scale Helo CTD |
| Morison | CTD profiling |
| | Horizontal (T,S) mapping |
| Pinkel/Plueddemann | Acoustic Doppler current profiling |
| Stanton | Acoustic Doppler current profiling |
| | Microstructure profiling |
| Wadhams | Ice strain and tilt |

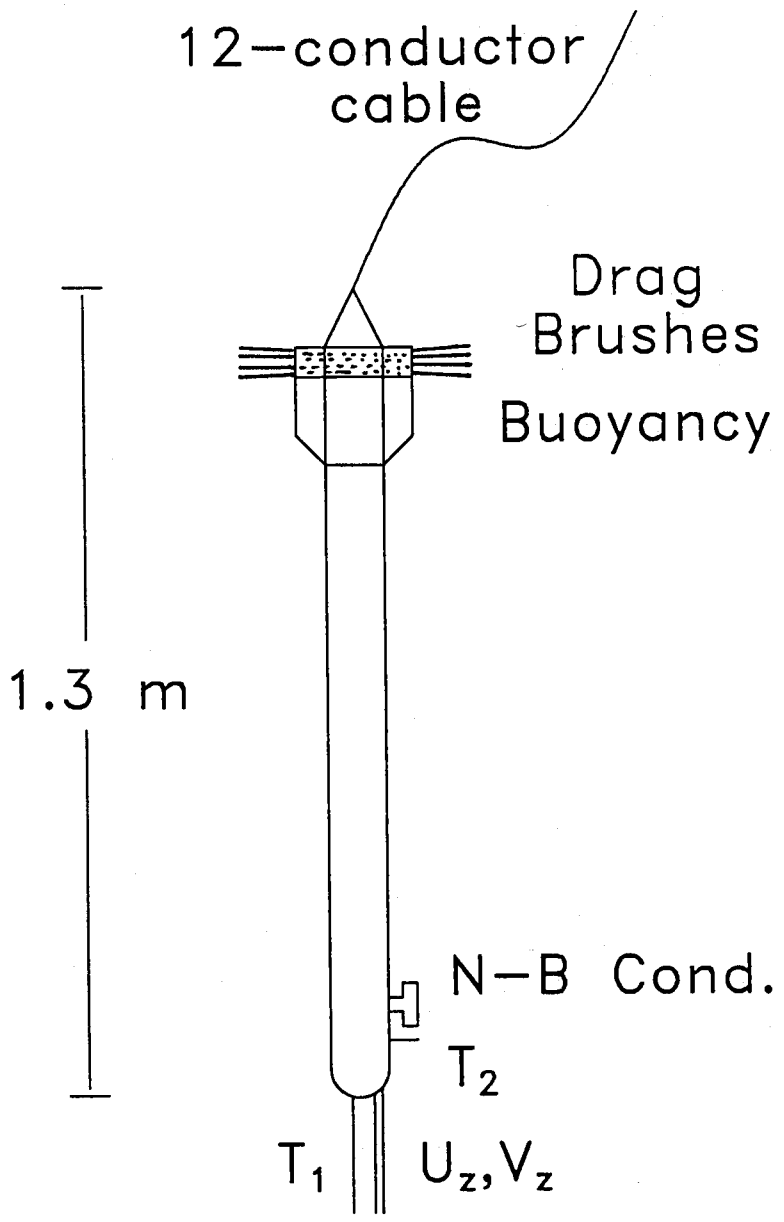


**Fig. 1:** Schematic of the Rapid–Sampling Vertical Profiler (RSVP). Sensors $T_1$ and $T_2$ are Thermometrics FP07 thermistors for temperature; $U_z$ and $V_z$ measure microscale shear; and $N - B$ *Cond.* is a Neil Brown microconductivity cell for salinity determination when used with $T_2$. Pressure is also measured near the nose assembly. The RSVP free–falls at about 0.7 $ms^{-1}$, constrained by the drag brushes. The 12–conductor data link is also the recovery tether.

# Section 1:

# Navigation and Local Bathymetry

Bathymetry is derived from Jackson, *et al.* [1984] updated with along–track depth soundings provided by D. Farmer and D. Menemenlis (Institute of Ocean Sciences, Sidney, B.C., Canada). Camp navigation is obtained from approximately hourly satellite fixes, interpolated to hourly positions.

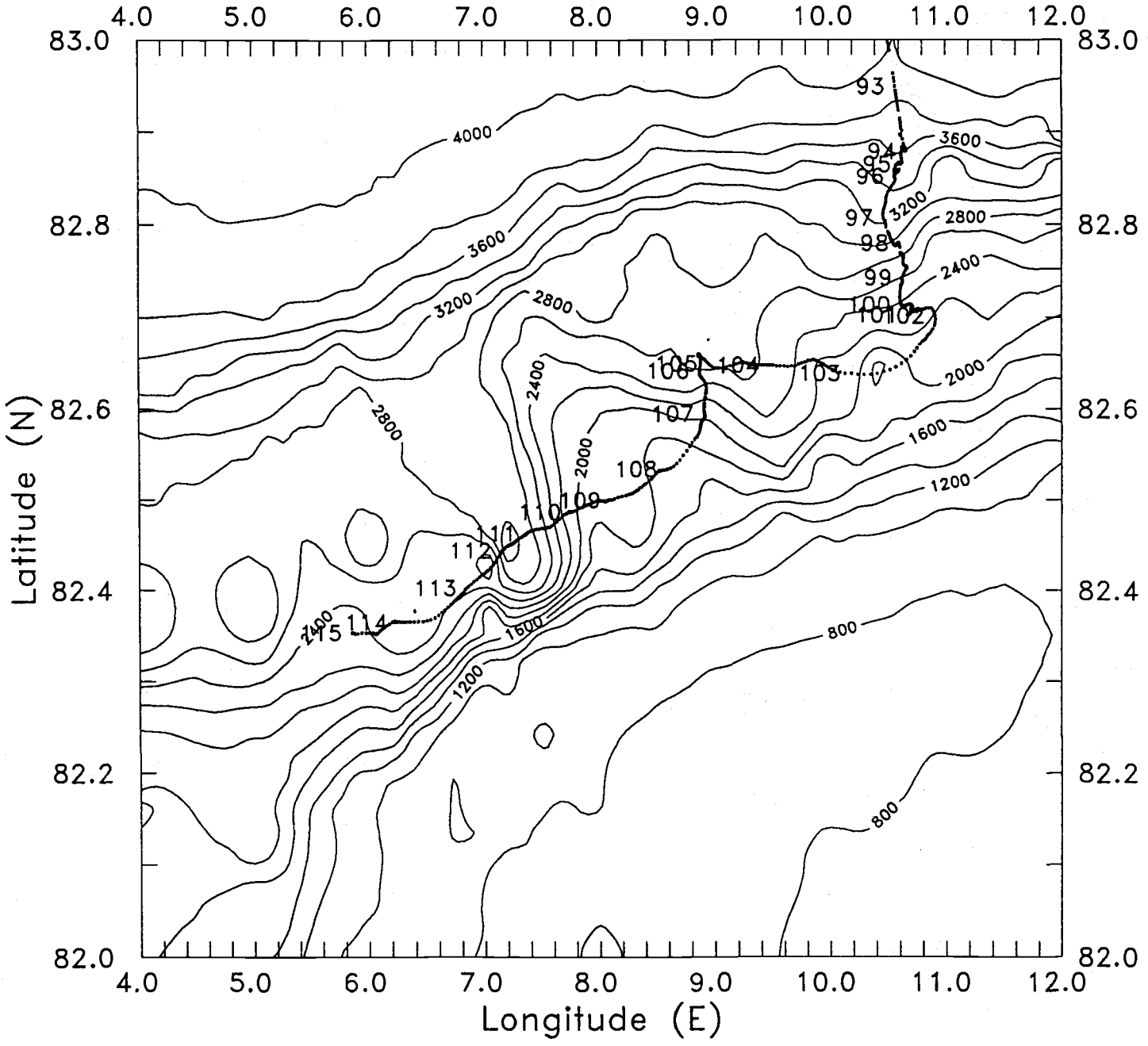


**Fig. 1.1:** Drift track of CEAREX "O" Camp during April, 1989. Time is given in day–of–year (January 1 = day 1). Depths are in metres, based on Jackson *et al.* [1984], and twice–daily depth soundings during the drift.

| Date | Day | hr | Latitude | Longitude | Date | Day | hr | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| Mar-26 | 85 | 0 | -99.000 | -99.000 | Mar-26 | 85 | 1 | -99.000 | -99.000 |
| Mar-26 | 85 | 2 | -99.000 | -99.000 | Mar-26 | 85 | 3 | -99.000 | -99.000 |
| Mar-26 | 85 | 4 | -99.000 | -99.000 | Mar-26 | 85 | 5 | -99.000 | -99.000 |
| Mar-26 | 85 | 6 | -99.000 | -99.000 | Mar-26 | 85 | 7 | -99.000 | -99.000 |
| Mar-26 | 85 | 8 | -99.000 | -99.000 | Mar-26 | 85 | 9 | 83.254 | 10.278 |
| Mar-26 | 85 | 10 | 83.253 | 10.276 | Mar-26 | 85 | 11 | 83.251 | 10.274 |
| Mar-26 | 85 | 12 | 83.250 | 10.272 | Mar-26 | 85 | 13 | 83.249 | 10.269 |
| Mar-26 | 85 | 14 | 83.248 | 10.267 | Mar-26 | 85 | 15 | 83.261 | 10.270 |
| Mar-26 | 85 | 16 | 83.257 | 10.267 | Mar-26 | 85 | 17 | 83.254 | 10.264 |
| Mar-26 | 85 | 18 | 83.250 | 10.261 | Mar-26 | 85 | 19 | 83.246 | 10.257 |
| Mar-26 | 85 | 20 | 83.243 | 10.254 | Mar-26 | 85 | 21 | 83.238 | 10.249 |
| Mar-26 | 85 | 22 | 83.235 | 10.247 | Mar-26 | 85 | 23 | 83.232 | 10.245 |
| Mar-27 | 86 | 0 | 83.229 | 10.243 | Mar-27 | 86 | 1 | 83.226 | 10.240 |
| Mar-27 | 86 | 2 | 83.223 | 10.238 | Mar-27 | 86 | 3 | 83.221 | 10.237 |
| Mar-27 | 86 | 4 | 83.218 | 10.235 | Mar-27 | 86 | 5 | 83.216 | 10.234 |
| Mar-27 | 86 | 6 | 83.213 | 10.232 | Mar-27 | 86 | 7 | 83.211 | 10.231 |
| Mar-27 | 86 | 8 | 83.208 | 10.229 | Mar-27 | 86 | 9 | 83.202 | 10.224 |
| Mar-27 | 86 | 10 | 83.201 | 10.221 | Mar-27 | 86 | 11 | 83.200 | 10.218 |
| Mar-27 | 86 | 12 | 83.198 | 10.214 | Mar-27 | 86 | 13 | 83.197 | 10.211 |
| Mar-27 | 86 | 14 | 83.196 | 10.208 | Mar-27 | 86 | 15 | 83.194 | 10.211 |
| Mar-27 | 86 | 16 | 83.193 | 10.208 | Mar-27 | 86 | 17 | 83.192 | 10.204 |
| Mar-27 | 86 | 18 | 83.191 | 10.201 | Mar-27 | 86 | 19 | 83.190 | 10.197 |
| Mar-27 | 86 | 20 | 83.189 | 10.194 | Mar-27 | 86 | 21 | 83.188 | 10.192 |
| Mar-27 | 86 | 22 | 83.187 | 10.188 | Mar-27 | 86 | 23 | 83.186 | 10.184 |
| Mar-28 | 87 | 0 | 83.185 | 10.180 | Mar-28 | 87 | 1 | 83.183 | 10.176 |
| Mar-28 | 87 | 2 | 83.182 | 10.172 | Mar-28 | 87 | 3 | 83.181 | 10.165 |
| Mar-28 | 87 | 4 | 83.180 | 10.166 | Mar-28 | 87 | 5 | 83.179 | 10.166 |
| Mar-28 | 87 | 6 | 83.177 | 10.166 | Mar-28 | 87 | 7 | 83.176 | 10.166 |
| Mar-28 | 87 | 8 | 83.175 | 10.166 | Mar-28 | 87 | 9 | 83.172 | 10.179 |
| Mar-28 | 87 | 10 | 83.170 | 10.184 | Mar-28 | 87 | 11 | 83.168 | 10.188 |
| Mar-28 | 87 | 12 | 83.166 | 10.192 | Mar-28 | 87 | 13 | 83.164 | 10.197 |
| Mar-28 | 87 | 14 | 83.162 | 10.201 | Mar-28 | 87 | 15 | -99.000 | -99.000 |
| Mar-28 | 87 | 16 | -99.000 | -99.000 | Mar-28 | 87 | 17 | -99.000 | -99.000 |
| Mar-28 | 87 | 18 | -99.000 | -99.000 | Mar-28 | 87 | 19 | -99.000 | -99.000 |
| Mar-28 | 87 | 20 | -99.000 | -99.000 | Mar-28 | 87 | 21 | 83.148 | 10.224 |
| Mar-28 | 87 | 22 | 83.146 | 10.219 | Mar-28 | 87 | 23 | 83.144 | 10.215 |
| Mar-29 | 88 | 0 | 83.142 | 10.210 | Mar-29 | 88 | 1 | 83.140 | 10.205 |
| Mar-29 | 88 | 2 | 83.138 | 10.200 | Mar-29 | 88 | 3 | 83.136 | 10.195 |
| Mar-29 | 88 | 4 | 83.134 | 10.190 | Mar-29 | 88 | 5 | 83.132 | 10.186 |
| Mar-29 | 88 | 6 | 83.130 | 10.181 | Mar-29 | 88 | 7 | 83.128 | 10.176 |
| Mar-29 | 88 | 8 | 83.126 | 10.171 | Mar-29 | 88 | 9 | 83.122 | 10.173 |
| Mar-29 | 88 | 10 | 83.121 | 10.165 | Mar-29 | 88 | 11 | 83.120 | 10.157 |
| Mar-29 | 88 | 12 | 83.119 | 10.150 | Mar-29 | 88 | 13 | 83.118 | 10.142 |
| Mar-29 | 88 | 14 | 83.117 | 10.134 | Mar-29 | 88 | 15 | 83.115 | 10.122 |
| Mar-29 | 88 | 16 | 83.112 | 10.108 | Mar-29 | 88 | 17 | 83.110 | 10.094 |
| Mar-29 | 88 | 18 | 83.108 | 10.079 | Mar-29 | 88 | 19 | 83.106 | 10.065 |
| Mar-29 | 88 | 20 | 83.104 | 10.051 | Mar-29 | 88 | 21 | 83.107 | 10.072 |
| Mar-29 | 88 | 22 | 83.104 | 10.052 | Mar-29 | 88 | 23 | 83.101 | 10.032 |
| Mar-30 | 89 | 0 | 83.098 | 10.012 | Mar-30 | 89 | 1 | 83.095 | 9.992 |
| Mar-30 | 89 | 2 | 83.091 | 9.972 | Mar-30 | 89 | 3 | 83.090 | 9.986 |

| Date | Day | hr | Latitude | Longitude | Date | Day | hr | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| Mar-30 | 89 | 4 | 83.088 | 9.975 | Mar-30 | 89 | 5 | 83.085 | 9.965 |
| Mar-30 | 89 | 6 | 83.083 | 9.954 | Mar-30 | 89 | 7 | 83.080 | 9.944 |
| Mar-30 | 89 | 8 | 83.078 | 9.934 | Mar-30 | 89 | 9 | 83.073 | 9.890 |
| Mar-30 | 89 | 10 | 83.071 | 9.889 | Mar-30 | 89 | 11 | 83.069 | 9.889 |
| Mar-30 | 89 | 12 | 83.067 | 9.888 | Mar-30 | 89 | 13 | 83.065 | 9.887 |
| Mar-30 | 89 | 14 | 83.063 | 9.887 | Mar-30 | 89 | 15 | 83.061 | 9.886 |
| Mar-30 | 89 | 16 | 83.059 | 9.885 | Mar-30 | 89 | 17 | 83.057 | 9.885 |
| Mar-30 | 89 | 18 | 83.055 | 9.884 | Mar-30 | 89 | 19 | 83.054 | 9.884 |
| Mar-30 | 89 | 20 | 83.052 | 9.883 | Mar-30 | 89 | 21 | 83.051 | 9.880 |
| Mar-30 | 89 | 22 | 83.050 | 9.879 | Mar-30 | 89 | 23 | 83.048 | 9.878 |
| Mar-31 | 90 | 0 | 83.047 | 9.877 | Mar-31 | 90 | 1 | 83.045 | 9.876 |
| Mar-31 | 90 | 2 | 83.044 | 9.875 | Mar-31 | 90 | 3 | 83.044 | 9.891 |
| Mar-31 | 90 | 4 | 83.043 | 9.893 | Mar-31 | 90 | 5 | 83.042 | 9.895 |
| Mar-31 | 90 | 6 | 83.041 | 9.897 | Mar-31 | 90 | 7 | 83.040 | 9.899 |
| Mar-31 | 90 | 8 | 83.039 | 9.901 | Mar-31 | 90 | 9 | 83.037 | 9.888 |
| Mar-31 | 90 | 10 | 83.037 | 9.897 | Mar-31 | 90 | 11 | 83.037 | 9.906 |
| Mar-31 | 90 | 12 | 83.036 | 9.916 | Mar-31 | 90 | 13 | 83.036 | 9.925 |
| Mar-31 | 90 | 14 | 83.036 | 9.934 | Mar-31 | 90 | 15 | 83.036 | 9.944 |
| Mar-31 | 90 | 16 | 83.036 | 9.953 | Mar-31 | 90 | 17 | 83.036 | 9.962 |
| Mar-31 | 90 | 18 | 83.036 | 9.972 | Mar-31 | 90 | 19 | 83.036 | 9.981 |
| Mar-31 | 90 | 20 | 83.036 | 9.990 | Mar-31 | 90 | 21 | 83.042 | 9.981 |
| Mar-31 | 90 | 22 | 83.042 | 9.988 | Mar-31 | 90 | 23 | 83.043 | 9.995 |
| Apr- 1 | 91 | 0 | 83.044 | 10.002 | Apr- 1 | 91 | 1 | 83.044 | 10.009 |
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| Apr- 2 | 92 | 12 | 82.993 | 10.516 | Apr- 2 | 92 | 13 | 82.990 | 10.520 |
| Apr- 2 | 92 | 14 | 82.988 | 10.524 | Apr- 2 | 92 | 15 | -99.000 | -99.000 |
| Apr- 2 | 92 | 16 | -99.000 | -99.000 | Apr- 2 | 92 | 17 | -99.000 | -99.000 |
| Apr- 2 | 92 | 18 | -99.000 | -99.000 | Apr- 2 | 92 | 19 | -99.000 | -99.000 |
| Apr- 2 | 92 | 20 | -99.000 | -99.000 | Apr- 2 | 92 | 21 | 82.963 | 10.556 |
| Apr- 2 | 92 | 22 | 82.958 | 10.561 | Apr- 2 | 92 | 23 | 82.954 | 10.566 |
| Apr- 3 | 93 | 0 | 82.949 | 10.571 | Apr- 3 | 93 | 1 | 82.944 | 10.577 |
| Apr- 3 | 93 | 2 | 82.940 | 10.582 | Apr- 3 | 93 | 3 | 82.941 | 10.582 |
| Apr- 3 | 93 | 4 | 82.937 | 10.586 | Apr- 3 | 93 | 5 | 82.934 | 10.590 |
| Apr- 3 | 93 | 6 | 82.930 | 10.594 | Apr- 3 | 93 | 7 | 82.927 | 10.599 |

| Date | Day | hr | Latitude | Longitude | Date | Day | hr | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| Apr- 3 | 93 | 8 | 82.923 | 10.603 | Apr- 3 | 93 | 9 | 82.914 | 10.610 |
| Apr- 3 | 93 | 10 | 82.912 | 10.612 | Apr- 3 | 93 | 11 | 82.910 | 10.614 |
| Apr- 3 | 93 | 12 | 82.908 | 10.616 | Apr- 3 | 93 | 13 | 82.905 | 10.618 |
| Apr- 3 | 93 | 14 | 82.903 | 10.620 | Apr- 3 | 93 | 15 | 82.901 | 10.630 |
| Apr- 3 | 93 | 16 | 82.897 | 10.616 | Apr- 3 | 93 | 17 | 82.896 | 10.610 |
| Apr- 3 | 93 | 18 | 82.897 | 10.612 | Apr- 3 | 93 | 19 | 82.896 | 10.621 |
| Apr- 3 | 93 | 20 | 82.892 | 10.632 | Apr- 3 | 93 | 21 | 82.887 | 10.643 |
| Apr- 3 | 93 | 22 | 82.883 | 10.655 | Apr- 3 | 93 | 23 | 82.881 | 10.662 |
| Apr- 4 | 94 | 0 | 82.879 | 10.663 | Apr- 4 | 94 | 1 | 82.879 | 10.659 |
| Apr- 4 | 94 | 2 | 82.879 | 10.651 | Apr- 4 | 94 | 3 | 82.882 | 10.638 |
| Apr- 4 | 94 | 4 | 82.883 | 10.631 | Apr- 4 | 94 | 5 | 82.883 | 10.628 |
| Apr- 4 | 94 | 6 | 82.883 | 10.627 | Apr- 4 | 94 | 7 | 82.881 | 10.628 |
| Apr- 4 | 94 | 8 | 82.880 | 10.628 | Apr- 4 | 94 | 9 | 82.880 | 10.624 |
| Apr- 4 | 94 | 10 | 82.879 | 10.625 | Apr- 4 | 94 | 11 | 82.878 | 10.624 |
| Apr- 4 | 94 | 12 | 82.877 | 10.623 | Apr- 4 | 94 | 13 | 82.876 | 10.621 |
| Apr- 4 | 94 | 14 | 82.875 | 10.619 | Apr- 4 | 94 | 15 | 82.875 | 10.622 |
| Apr- 4 | 94 | 16 | 82.875 | 10.620 | Apr- 4 | 94 | 17 | 82.875 | 10.619 |
| Apr- 4 | 94 | 18 | 82.874 | 10.619 | Apr- 4 | 94 | 19 | 82.872 | 10.620 |
| Apr- 4 | 94 | 20 | 82.871 | 10.623 | Apr- 4 | 94 | 21 | 82.868 | 10.628 |
| Apr- 4 | 94 | 22 | 82.867 | 10.629 | Apr- 4 | 94 | 23 | 82.866 | 10.627 |
| Apr- 5 | 95 | 0 | 82.865 | 10.621 | Apr- 5 | 95 | 1 | 82.865 | 10.612 |
| Apr- 5 | 95 | 2 | 82.865 | 10.603 | Apr- 5 | 95 | 3 | 82.866 | 10.608 |
| Apr- 5 | 95 | 4 | 82.867 | 10.601 | Apr- 5 | 95 | 5 | 82.866 | 10.593 |
| Apr- 5 | 95 | 6 | 82.865 | 10.584 | Apr- 5 | 95 | 7 | 82.864 | 10.576 |
| Apr- 5 | 95 | 8 | 82.861 | 10.570 | Apr- 5 | 95 | 9 | 82.859 | 10.562 |
| Apr- 5 | 95 | 10 | 82.857 | 10.562 | Apr- 5 | 95 | 11 | 82.856 | 10.567 |
| Apr- 5 | 95 | 12 | 82.855 | 10.576 | Apr- 5 | 95 | 13 | 82.856 | 10.588 |
| Apr- 5 | 95 | 14 | 82.857 | 10.598 | Apr- 5 | 95 | 15 | 82.858 | 10.603 |
| Apr- 5 | 95 | 16 | 82.859 | 10.607 | Apr- 5 | 95 | 17 | 82.859 | 10.606 |
| Apr- 5 | 95 | 18 | 82.859 | 10.600 | Apr- 5 | 95 | 19 | 82.858 | 10.591 |
| Apr- 5 | 95 | 20 | 82.857 | 10.581 | Apr- 5 | 95 | 21 | 82.856 | 10.574 |
| Apr- 5 | 95 | 22 | 82.854 | 10.568 | Apr- 5 | 95 | 23 | 82.853 | 10.564 |
| Apr- 6 | 96 | 0 | 82.852 | 10.562 | Apr- 6 | 96 | 1 | 82.851 | 10.563 |
| Apr- 6 | 96 | 2 | 82.850 | 10.565 | Apr- 6 | 96 | 3 | 82.850 | 10.569 |
| Apr- 6 | 96 | 4 | 82.849 | 10.571 | Apr- 6 | 96 | 5 | 82.848 | 10.570 |
| Apr- 6 | 96 | 6 | 82.846 | 10.565 | Apr- 6 | 96 | 7 | 82.844 | 10.556 |
| Apr- 6 | 96 | 8 | 82.842 | 10.544 | Apr- 6 | 96 | 9 | 82.840 | 10.534 |
| Apr- 6 | 96 | 10 | 82.837 | 10.522 | Apr- 6 | 96 | 11 | 82.835 | 10.510 |
| Apr- 6 | 96 | 12 | 82.832 | 10.501 | Apr- 6 | 96 | 13 | 82.830 | 10.495 |
| Apr- 6 | 96 | 14 | 82.829 | 10.492 | Apr- 6 | 96 | 15 | 82.827 | 10.491 |
| Apr- 6 | 96 | 16 | 82.826 | 10.491 | Apr- 6 | 96 | 17 | 82.824 | 10.489 |
| Apr- 6 | 96 | 18 | 82.822 | 10.486 | Apr- 6 | 96 | 19 | 82.820 | 10.481 |
| Apr- 6 | 96 | 20 | 82.817 | 10.475 | Apr- 6 | 96 | 21 | 82.815 | 10.469 |
| Apr- 6 | 96 | 22 | 82.812 | 10.466 | Apr- 6 | 96 | 23 | 82.810 | 10.465 |
| Apr- 7 | 97 | 0 | 82.807 | 10.468 | Apr- 7 | 97 | 1 | 82.805 | 10.474 |
| Apr- 7 | 97 | 2 | 82.804 | 10.482 | Apr- 7 | 97 | 3 | 82.801 | 10.486 |
| Apr- 7 | 97 | 4 | 82.799 | 10.490 | Apr- 7 | 97 | 5 | 82.798 | 10.492 |
| Apr- 7 | 97 | 6 | 82.798 | 10.492 | Apr- 7 | 97 | 7 | 82.797 | 10.491 |
| Apr- 7 | 97 | 8 | 82.797 | 10.490 | Apr- 7 | 97 | 9 | 82.792 | 10.510 |
| Apr- 7 | 97 | 10 | 82.790 | 10.515 | Apr- 7 | 97 | 11 | 82.789 | 10.520 |

| Date | Day | hr | Latitude | Longitude | Date | Day | hr | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| Apr- 7 | 97 | 12 | 82.787 | 10.525 | Apr- 7 | 97 | 13 | 82.785 | 10.529 |
| Apr- 7 | 97 | 14 | 82.784 | 10.534 | Apr- 7 | 97 | 15 | 82.783 | 10.537 |
| Apr- 7 | 97 | 16 | 82.781 | 10.543 | Apr- 7 | 97 | 17 | 82.780 | 10.550 |
| Apr- 7 | 97 | 18 | 82.779 | 10.556 | Apr- 7 | 97 | 19 | 82.778 | 10.562 |
| Apr- 7 | 97 | 20 | 82.777 | 10.568 | Apr- 7 | 97 | 21 | 82.777 | 10.580 |
| Apr- 7 | 97 | 22 | 82.779 | 10.587 | Apr- 7 | 97 | 23 | 82.780 | 10.594 |
| Apr- 8 | 98 | 0 | 82.780 | 10.600 | Apr- 8 | 98 | 1 | 82.778 | 10.606 |
| Apr- 8 | 98 | 2 | 82.775 | 10.612 | Apr- 8 | 98 | 3 | 82.769 | 10.610 |
| Apr- 8 | 98 | 4 | 82.769 | 10.618 | Apr- 8 | 98 | 5 | 82.768 | 10.626 |
| Apr- 8 | 98 | 6 | 82.768 | 10.633 | Apr- 8 | 98 | 7 | 82.767 | 10.637 |
| Apr- 8 | 98 | 8 | 82.765 | 10.640 | Apr- 8 | 98 | 9 | 82.764 | 10.640 |
| Apr- 8 | 98 | 10 | 82.762 | 10.638 | Apr- 8 | 98 | 11 | 82.760 | 10.636 |
| Apr- 8 | 98 | 12 | 82.759 | 10.637 | Apr- 8 | 98 | 13 | 82.757 | 10.641 |
| Apr- 8 | 98 | 14 | 82.756 | 10.647 | Apr- 8 | 98 | 15 | 82.755 | 10.654 |
| Apr- 8 | 98 | 16 | 82.755 | 10.662 | Apr- 8 | 98 | 17 | 82.754 | 10.669 |
| Apr- 8 | 98 | 18 | 82.754 | 10.673 | Apr- 8 | 98 | 19 | 82.753 | 10.672 |
| Apr- 8 | 98 | 20 | 82.752 | 10.667 | Apr- 8 | 98 | 21 | 82.750 | 10.656 |
| Apr- 8 | 98 | 22 | 82.748 | 10.645 | Apr- 8 | 98 | 23 | 82.745 | 10.636 |
| Apr- 9 | 99 | 0 | 82.743 | 10.630 | Apr- 9 | 99 | 1 | 82.742 | 10.628 |
| Apr- 9 | 99 | 2 | 82.741 | 10.628 | Apr- 9 | 99 | 3 | 82.740 | 10.629 |
| Apr- 9 | 99 | 4 | 82.739 | 10.631 | Apr- 9 | 99 | 5 | 82.739 | 10.633 |
| Apr- 9 | 99 | 6 | 82.738 | 10.632 | Apr- 9 | 99 | 7 | 82.737 | 10.630 |
| Apr- 9 | 99 | 8 | 82.736 | 10.626 | Apr- 9 | 99 | 9 | 82.734 | 10.618 |
| Apr- 9 | 99 | 10 | 82.731 | 10.614 | Apr- 9 | 99 | 11 | 82.728 | 10.611 |
| Apr- 9 | 99 | 12 | 82.725 | 10.610 | Apr- 9 | 99 | 13 | 82.722 | 10.609 |
| Apr- 9 | 99 | 14 | 82.720 | 10.610 | Apr- 9 | 99 | 15 | 82.718 | 10.610 |
| Apr- 9 | 99 | 16 | 82.717 | 10.611 | Apr- 9 | 99 | 17 | 82.717 | 10.613 |
| Apr- 9 | 99 | 18 | 82.717 | 10.613 | Apr- 9 | 99 | 19 | 82.717 | 10.614 |
| Apr- 9 | 99 | 20 | 82.717 | 10.615 | Apr- 9 | 99 | 21 | 82.717 | 10.619 |
| Apr- 9 | 99 | 22 | 82.716 | 10.619 | Apr- 9 | 99 | 23 | 82.715 | 10.619 |
| Apr-10 | 100 | 0 | 82.714 | 10.620 | Apr-10 | 100 | 1 | 82.713 | 10.623 |
| Apr-10 | 100 | 2 | 82.712 | 10.630 | Apr-10 | 100 | 3 | 82.712 | 10.639 |
| Apr-10 | 100 | 4 | 82.713 | 10.650 | Apr-10 | 100 | 5 | 82.713 | 10.664 |
| Apr-10 | 100 | 6 | 82.714 | 10.680 | Apr-10 | 100 | 7 | 82.714 | 10.696 |
| Apr-10 | 100 | 8 | 82.714 | 10.709 | Apr-10 | 100 | 9 | 82.713 | 10.718 |
| Apr-10 | 100 | 10 | 82.712 | 10.720 | Apr-10 | 100 | 11 | 82.711 | 10.719 |
| Apr-10 | 100 | 12 | 82.710 | 10.715 | Apr-10 | 100 | 13 | 82.710 | 10.710 |
| Apr-10 | 100 | 14 | 82.709 | 10.706 | Apr-10 | 100 | 15 | 82.709 | 10.704 |
| Apr-10 | 100 | 16 | 82.708 | 10.703 | Apr-10 | 100 | 17 | 82.708 | 10.704 |
| Apr-10 | 100 | 18 | 82.708 | 10.707 | Apr-10 | 100 | 19 | 82.708 | 10.710 |
| Apr-10 | 100 | 20 | 82.707 | 10.711 | Apr-10 | 100 | 21 | 82.707 | 10.711 |
| Apr-10 | 100 | 22 | 82.706 | 10.707 | Apr-10 | 100 | 23 | 82.704 | 10.700 |
| Apr-11 | 101 | 0 | 82.703 | 10.691 | Apr-11 | 101 | 1 | 82.702 | 10.682 |
| Apr-11 | 101 | 2 | 82.702 | 10.676 | Apr-11 | 101 | 3 | 82.703 | 10.675 |
| Apr-11 | 101 | 4 | 82.703 | 10.681 | Apr-11 | 101 | 5 | 82.704 | 10.692 |
| Apr-11 | 101 | 6 | 82.705 | 10.705 | Apr-11 | 101 | 7 | 82.706 | 10.718 |
| Apr-11 | 101 | 8 | 82.706 | 10.730 | Apr-11 | 101 | 9 | 82.707 | 10.737 |
| Apr-11 | 101 | 10 | 82.707 | 10.745 | Apr-11 | 101 | 11 | 82.706 | 10.751 |
| Apr-11 | 101 | 12 | 82.706 | 10.754 | Apr-11 | 101 | 13 | 82.706 | 10.756 |
| Apr-11 | 101 | 14 | 82.707 | 10.760 | Apr-11 | 101 | 15 | 82.708 | 10.768 |

| Date | Day | hr | Latitude | Longitude | Date | Day | hr | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| Apr-11 | 101 | 16 | 82.708 | 10.781 | Apr-11 | 101 | 17 | 82.709 | 10.796 |
| Apr-11 | 101 | 18 | 82.709 | 10.815 | Apr-11 | 101 | 19 | 82.710 | 10.837 |
| Apr-11 | 101 | 20 | 82.710 | 10.859 | Apr-11 | 101 | 21 | 82.710 | 10.880 |
| Apr-11 | 101 | 22 | 82.708 | 10.895 | Apr-11 | 101 | 23 | 82.705 | 10.907 |
| Apr-12 | 102 | 0 | 82.702 | 10.914 | Apr-12 | 102 | 1 | 82.698 | 10.916 |
| Apr-12 | 102 | 2 | 82.694 | 10.914 | Apr-12 | 102 | 3 | 82.691 | 10.908 |
| Apr-12 | 102 | 4 | 82.687 | 10.893 | Apr-12 | 102 | 5 | 82.684 | 10.878 |
| Apr-12 | 102 | 6 | 82.682 | 10.865 | Apr-12 | 102 | 7 | 82.681 | 10.853 |
| Apr-12 | 102 | 8 | 82.679 | 10.843 | Apr-12 | 102 | 9 | 82.676 | 10.826 |
| Apr-12 | 102 | 10 | 82.674 | 10.804 | Apr-12 | 102 | 11 | 82.671 | 10.782 |
| Apr-12 | 102 | 12 | 82.667 | 10.759 | Apr-12 | 102 | 13 | 82.663 | 10.735 |
| Apr-12 | 102 | 14 | 82.658 | 10.706 | Apr-12 | 102 | 15 | 82.654 | 10.667 |
| Apr-12 | 102 | 16 | 82.650 | 10.625 | Apr-12 | 102 | 17 | 82.646 | 10.577 |
| Apr-12 | 102 | 18 | 82.643 | 10.526 | Apr-12 | 102 | 19 | 82.641 | 10.471 |
| Apr-12 | 102 | 20 | 82.639 | 10.415 | Apr-12 | 102 | 21 | 82.638 | 10.360 |
| Apr-12 | 102 | 22 | 82.638 | 10.303 | Apr-12 | 102 | 23 | 82.638 | 10.246 |
| Apr-13 | 103 | 0 | 82.639 | 10.192 | Apr-13 | 103 | 1 | 82.639 | 10.141 |
| Apr-13 | 103 | 2 | 82.640 | 10.096 | Apr-13 | 103 | 3 | 82.642 | 10.055 |
| Apr-13 | 103 | 4 | 82.643 | 10.023 | Apr-13 | 103 | 5 | 82.645 | 9.996 |
| Apr-13 | 103 | 6 | 82.647 | 9.973 | Apr-13 | 103 | 7 | 82.649 | 9.951 |
| Apr-13 | 103 | 8 | 82.650 | 9.930 | Apr-13 | 103 | 9 | 82.652 | 9.907 |
| Apr-13 | 103 | 10 | 82.653 | 9.885 | Apr-13 | 103 | 11 | 82.654 | 9.862 |
| Apr-13 | 103 | 12 | 82.653 | 9.840 | Apr-13 | 103 | 13 | 82.653 | 9.816 |
| Apr-13 | 103 | 14 | 82.651 | 9.790 | Apr-13 | 103 | 15 | 82.650 | 9.762 |
| Apr-13 | 103 | 16 | 82.649 | 9.735 | Apr-13 | 103 | 17 | 82.647 | 9.706 |
| Apr-13 | 103 | 18 | 82.647 | 9.675 | Apr-13 | 103 | 19 | 82.646 | 9.642 |
| Apr-13 | 103 | 20 | 82.647 | 9.609 | Apr-13 | 103 | 21 | 82.647 | 9.575 |
| Apr-13 | 103 | 22 | 82.647 | 9.543 | Apr-13 | 103 | 23 | 82.648 | 9.513 |
| Apr-14 | 104 | 0 | 82.648 | 9.486 | Apr-14 | 104 | 1 | 82.648 | 9.462 |
| Apr-14 | 104 | 2 | 82.648 | 9.439 | Apr-14 | 104 | 3 | 82.648 | 9.416 |
| Apr-14 | 104 | 4 | 82.648 | 9.394 | Apr-14 | 104 | 5 | 82.648 | 9.374 |
| Apr-14 | 104 | 6 | 82.648 | 9.354 | Apr-14 | 104 | 7 | 82.648 | 9.335 |
| Apr-14 | 104 | 8 | 82.649 | 9.318 | Apr-14 | 104 | 9 | 82.649 | 9.302 |
| Apr-14 | 104 | 10 | 82.650 | 9.288 | Apr-14 | 104 | 11 | 82.650 | 9.274 |
| Apr-14 | 104 | 12 | 82.651 | 9.260 | Apr-14 | 104 | 13 | 82.651 | 9.243 |
| Apr-14 | 104 | 14 | 82.650 | 9.223 | Apr-14 | 104 | 15 | 82.649 | 9.199 |
| Apr-14 | 104 | 16 | 82.648 | 9.174 | Apr-14 | 104 | 17 | 82.647 | 9.145 |
| Apr-14 | 104 | 18 | 82.646 | 9.114 | Apr-14 | 104 | 19 | 82.645 | 9.082 |
| Apr-14 | 104 | 20 | 82.645 | 9.050 | Apr-14 | 104 | 21 | 82.645 | 9.021 |
| Apr-14 | 104 | 22 | 82.646 | 8.996 | Apr-14 | 104 | 23 | 82.648 | 8.975 |
| Apr-15 | 105 | 0 | 82.650 | 8.958 | Apr-15 | 105 | 1 | 82.652 | 8.943 |
| Apr-15 | 105 | 2 | 82.654 | 8.930 | Apr-15 | 105 | 3 | 82.655 | 8.917 |
| Apr-15 | 105 | 4 | 82.656 | 8.908 | Apr-15 | 105 | 5 | 82.657 | 8.899 |
| Apr-15 | 105 | 6 | 82.657 | 8.890 | Apr-15 | 105 | 7 | 82.658 | 8.881 |
| Apr-15 | 105 | 8 | 82.658 | 8.874 | Apr-15 | 105 | 9 | 82.659 | 8.871 |
| Apr-15 | 105 | 10 | 82.660 | 8.873 | Apr-15 | 105 | 11 | 82.660 | 8.876 |
| Apr-15 | 105 | 12 | 82.660 | 8.881 | Apr-15 | 105 | 13 | 82.659 | 8.885 |
| Apr-15 | 105 | 14 | 82.658 | 8.889 | Apr-15 | 105 | 15 | 82.656 | 8.889 |
| Apr-15 | 105 | 16 | 82.654 | 8.891 | Apr-15 | 105 | 17 | 82.651 | 8.892 |
| Apr-15 | 105 | 18 | 82.649 | 8.891 | Apr-15 | 105 | 19 | 82.647 | 8.889 |

| Date | Day | hr | Latitude | Longitude | Date | Day | hr | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| Apr-15 | 105 | 20 | 82.645 | 8.887 | Apr-15 | 105 | 21 | 82.644 | 8.887 |
| Apr-15 | 105 | 22 | 82.643 | 8.887 | Apr-15 | 105 | 23 | 82.643 | 8.886 |
| Apr-16 | 106 | 0 | 82.642 | 8.884 | Apr-16 | 106 | 1 | 82.642 | 8.882 |
| Apr-16 | 106 | 2 | 82.641 | 8.880 | Apr-16 | 106 | 3 | 82.641 | 8.881 |
| Apr-16 | 106 | 4 | 82.640 | 8.882 | Apr-16 | 106 | 5 | 82.639 | 8.882 |
| Apr-16 | 106 | 6 | 82.638 | 8.884 | Apr-16 | 106 | 7 | 82.637 | 8.887 |
| Apr-16 | 106 | 8 | 82.636 | 8.892 | Apr-16 | 106 | 9 | 82.635 | 8.896 |
| Apr-16 | 106 | 10 | 82.634 | 8.905 | Apr-16 | 106 | 11 | 82.632 | 8.915 |
| Apr-16 | 106 | 12 | 82.630 | 8.925 | Apr-16 | 106 | 13 | 82.628 | 8.934 |
| Apr-16 | 106 | 14 | 82.625 | 8.939 | Apr-16 | 106 | 15 | 82.623 | 8.943 |
| Apr-16 | 106 | 16 | 82.620 | 8.942 | Apr-16 | 106 | 17 | 82.617 | 8.937 |
| Apr-16 | 106 | 18 | 82.613 | 8.932 | Apr-16 | 106 | 19 | 82.610 | 8.927 |
| Apr-16 | 106 | 20 | 82.606 | 8.924 | Apr-16 | 106 | 21 | 82.603 | 8.924 |
| Apr-16 | 106 | 22 | 82.600 | 8.923 | Apr-16 | 106 | 23 | 82.597 | 8.924 |
| Apr-17 | 107 | 0 | 82.595 | 8.925 | Apr-17 | 107 | 1 | 82.594 | 8.927 |
| Apr-17 | 107 | 2 | 82.592 | 8.928 | Apr-17 | 107 | 3 | 82.591 | 8.931 |
| Apr-17 | 107 | 4 | 82.589 | 8.924 | Apr-17 | 107 | 5 | 82.588 | 8.914 |
| Apr-17 | 107 | 6 | 82.586 | 8.905 | Apr-17 | 107 | 7 | 82.584 | 8.897 |
| Apr-17 | 107 | 8 | 82.582 | 8.892 | Apr-17 | 107 | 9 | 82.580 | 8.890 |
| Apr-17 | 107 | 10 | 82.578 | 8.885 | Apr-17 | 107 | 11 | 82.576 | 8.882 |
| Apr-17 | 107 | 12 | 82.574 | 8.877 | Apr-17 | 107 | 13 | 82.572 | 8.869 |
| Apr-17 | 107 | 14 | 82.569 | 8.857 | Apr-17 | 107 | 15 | 82.567 | 8.836 |
| Apr-17 | 107 | 16 | 82.563 | 8.816 | Apr-17 | 107 | 17 | 82.559 | 8.792 |
| Apr-17 | 107 | 18 | 82.554 | 8.765 | Apr-17 | 107 | 19 | 82.549 | 8.737 |
| Apr-17 | 107 | 20 | 82.544 | 8.709 | Apr-17 | 107 | 21 | 82.540 | 8.683 |
| Apr-17 | 107 | 22 | 82.537 | 8.655 | Apr-17 | 107 | 23 | 82.535 | 8.628 |
| Apr-18 | 108 | 0 | 82.534 | 8.603 | Apr-18 | 108 | 1 | 82.533 | 8.580 |
| Apr-18 | 108 | 2 | 82.533 | 8.561 | Apr-18 | 108 | 3 | 82.532 | 8.541 |
| Apr-18 | 108 | 4 | 82.532 | 8.528 | Apr-18 | 108 | 5 | 82.531 | 8.515 |
| Apr-18 | 108 | 6 | 82.529 | 8.500 | Apr-18 | 108 | 7 | 82.526 | 8.483 |
| Apr-18 | 108 | 8 | 82.523 | 8.462 | Apr-18 | 108 | 9 | 82.521 | 8.437 |
| Apr-18 | 108 | 10 | 82.518 | 8.413 | Apr-18 | 108 | 11 | 82.516 | 8.391 |
| Apr-18 | 108 | 12 | 82.514 | 8.373 | Apr-18 | 108 | 13 | 82.513 | 8.358 |
| Apr-18 | 108 | 14 | 82.511 | 8.346 | Apr-18 | 108 | 15 | 82.510 | 8.330 |
| Apr-18 | 108 | 16 | 82.509 | 8.320 | Apr-18 | 108 | 17 | 82.508 | 8.309 |
| Apr-18 | 108 | 18 | 82.507 | 8.292 | Apr-18 | 108 | 19 | 82.506 | 8.269 |
| Apr-18 | 108 | 20 | 82.505 | 8.240 | Apr-18 | 108 | 21 | 82.504 | 8.205 |
| Apr-18 | 108 | 22 | 82.503 | 8.172 | Apr-18 | 108 | 23 | 82.501 | 8.140 |
| Apr-19 | 109 | 0 | 82.500 | 8.112 | Apr-19 | 109 | 1 | 82.500 | 8.091 |
| Apr-19 | 109 | 2 | 82.499 | 8.075 | Apr-19 | 109 | 3 | 82.499 | 8.067 |
| Apr-19 | 109 | 4 | 82.498 | 8.058 | Apr-19 | 109 | 5 | 82.499 | 8.050 |
| Apr-19 | 109 | 6 | 82.499 | 8.040 | Apr-19 | 109 | 7 | 82.499 | 8.028 |
| Apr-19 | 109 | 8 | 82.499 | 8.013 | Apr-19 | 109 | 9 | 82.500 | 8.000 |
| Apr-19 | 109 | 10 | 82.499 | 7.983 | Apr-19 | 109 | 11 | 82.498 | 7.964 |
| Apr-19 | 109 | 12 | 82.497 | 7.946 | Apr-19 | 109 | 13 | 82.496 | 7.930 |
| Apr-19 | 109 | 14 | 82.495 | 7.917 | Apr-19 | 109 | 15 | 82.495 | 7.914 |
| Apr-19 | 109 | 16 | 82.495 | 7.904 | Apr-19 | 109 | 17 | 82.494 | 7.890 |
| Apr-19 | 109 | 18 | 82.493 | 7.874 | Apr-19 | 109 | 19 | 82.492 | 7.854 |
| Apr-19 | 109 | 20 | 82.491 | 7.833 | Apr-19 | 109 | 21 | 82.489 | 7.810 |
| Apr-19 | 109 | 22 | 82.488 | 7.790 | Apr-19 | 109 | 23 | 82.487 | 7.772 |

| Date | Day | hr | Latitude | Longitude | Date | Day | hr | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| Apr-20 | 110 | 0 | 82.487 | 7.760 | Apr-20 | 110 | 1 | 82.487 | 7.752 |
| Apr-20 | 110 | 2 | 82.487 | 7.748 | Apr-20 | 110 | 3 | 82.487 | 7.744 |
| Apr-20 | 110 | 4 | 82.487 | 7.738 | Apr-20 | 110 | 5 | 82.486 | 7.730 |
| Apr-20 | 110 | 6 | 82.485 | 7.717 | Apr-20 | 110 | 7 | 82.484 | 7.701 |
| Apr-20 | 110 | 8 | 82.482 | 7.681 | Apr-20 | 110 | 9 | 82.479 | 7.659 |
| Apr-20 | 110 | 10 | 82.476 | 7.635 | Apr-20 | 110 | 11 | 82.474 | 7.613 |
| Apr-20 | 110 | 12 | 82.472 | 7.592 | Apr-20 | 110 | 13 | 82.470 | 7.573 |
| Apr-20 | 110 | 14 | 82.470 | 7.556 | Apr-20 | 110 | 15 | 82.469 | 7.539 |
| Apr-20 | 110 | 16 | 82.469 | 7.522 | Apr-20 | 110 | 17 | 82.469 | 7.503 |
| Apr-20 | 110 | 18 | 82.468 | 7.482 | Apr-20 | 110 | 19 | 82.468 | 7.460 |
| Apr-20 | 110 | 20 | 82.467 | 7.437 | Apr-20 | 110 | 21 | 82.466 | 7.412 |
| Apr-20 | 110 | 22 | 82.465 | 7.393 | Apr-20 | 110 | 23 | 82.464 | 7.379 |
| Apr-21 | 111 | 0 | 82.463 | 7.371 | Apr-21 | 111 | 1 | 82.463 | 7.366 |
| Apr-21 | 111 | 2 | 82.462 | 7.364 | Apr-21 | 111 | 3 | 82.462 | 7.360 |
| Apr-21 | 111 | 4 | 82.462 | 7.356 | Apr-21 | 111 | 5 | 82.461 | 7.349 |
| Apr-21 | 111 | 6 | 82.460 | 7.339 | Apr-21 | 111 | 7 | 82.459 | 7.325 |
| Apr-21 | 111 | 8 | 82.458 | 7.310 | Apr-21 | 111 | 9 | 82.457 | 7.295 |
| Apr-21 | 111 | 10 | 82.455 | 7.281 | Apr-21 | 111 | 11 | 82.454 | 7.269 |
| Apr-21 | 111 | 12 | 82.453 | 7.259 | Apr-21 | 111 | 13 | 82.452 | 7.252 |
| Apr-21 | 111 | 14 | 82.452 | 7.246 | Apr-21 | 111 | 15 | 82.451 | 7.240 |
| Apr-21 | 111 | 16 | 82.451 | 7.234 | Apr-21 | 111 | 17 | 82.450 | 7.226 |
| Apr-21 | 111 | 18 | 82.450 | 7.215 | Apr-21 | 111 | 19 | 82.449 | 7.203 |
| Apr-21 | 111 | 20 | 82.448 | 7.189 | Apr-21 | 111 | 21 | 82.446 | 7.178 |
| Apr-21 | 111 | 22 | 82.445 | 7.167 | Apr-21 | 111 | 23 | 82.444 | 7.158 |
| Apr-22 | 112 | 0 | 82.444 | 7.153 | Apr-22 | 112 | 1 | 82.444 | 7.151 |
| Apr-22 | 112 | 2 | 82.444 | 7.152 | Apr-22 | 112 | 3 | 82.444 | 7.155 |
| Apr-22 | 112 | 4 | 82.444 | 7.155 | Apr-22 | 112 | 5 | 82.444 | 7.153 |
| Apr-22 | 112 | 6 | 82.443 | 7.149 | Apr-22 | 112 | 7 | 82.441 | 7.142 |
| Apr-22 | 112 | 8 | 82.439 | 7.133 | Apr-22 | 112 | 9 | 82.437 | 7.123 |
| Apr-22 | 112 | 10 | 82.434 | 7.109 | Apr-22 | 112 | 11 | 82.431 | 7.096 |
| Apr-22 | 112 | 12 | 82.429 | 7.082 | Apr-22 | 112 | 13 | 82.427 | 7.069 |
| Apr-22 | 112 | 14 | 82.425 | 7.055 | Apr-22 | 112 | 15 | 82.423 | 7.039 |
| Apr-22 | 112 | 16 | 82.421 | 7.021 | Apr-22 | 112 | 17 | 82.419 | 7.001 |
| Apr-22 | 112 | 18 | 82.417 | 6.979 | Apr-22 | 112 | 19 | 82.415 | 6.956 |
| Apr-22 | 112 | 20 | 82.412 | 6.933 | Apr-22 | 112 | 21 | 82.410 | 6.908 |
| Apr-22 | 112 | 22 | 82.407 | 6.885 | Apr-22 | 112 | 23 | 82.405 | 6.864 |
| Apr-23 | 113 | 0 | 82.403 | 6.847 | Apr-23 | 113 | 1 | 82.401 | 6.833 |
| Apr-23 | 113 | 2 | 82.399 | 6.822 | Apr-23 | 113 | 3 | 82.397 | 6.811 |
| Apr-23 | 113 | 4 | 82.396 | 6.797 | Apr-23 | 113 | 5 | 82.394 | 6.782 |
| Apr-23 | 113 | 6 | 82.392 | 6.766 | Apr-23 | 113 | 7 | 82.390 | 6.749 |
| Apr-23 | 113 | 8 | 82.388 | 6.729 | Apr-23 | 113 | 9 | 82.385 | 6.707 |
| Apr-23 | 113 | 10 | 82.382 | 6.683 | Apr-23 | 113 | 11 | 82.379 | 6.657 |
| Apr-23 | 113 | 12 | 82.376 | 6.630 | Apr-23 | 113 | 13 | 82.373 | 6.600 |
| Apr-23 | 113 | 14 | 82.370 | 6.569 | Apr-23 | 113 | 15 | 82.368 | 6.535 |
| Apr-23 | 113 | 16 | 82.367 | 6.501 | Apr-23 | 113 | 17 | 82.366 | 6.466 |
| Apr-23 | 113 | 18 | 82.366 | 6.429 | Apr-23 | 113 | 19 | 82.366 | 6.393 |
| Apr-23 | 113 | 20 | 82.366 | 6.357 | Apr-23 | 113 | 21 | 82.366 | 6.323 |
| Apr-23 | 113 | 22 | 82.366 | 6.294 | Apr-23 | 113 | 23 | 82.366 | 6.271 |
| Apr-24 | 114 | 0 | 82.366 | 6.255 | Apr-24 | 114 | 1 | 82.366 | 6.244 |
| Apr-24 | 114 | 2 | 82.366 | 6.236 | Apr-24 | 114 | 3 | 82.366 | 6.232 |

| Date | Day | hr | Latitude | Longitude | Date | Day | hr | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| Apr-24 | 114 | 4 | 82.367 | 6.227 | Apr-24 | 114 | 5 | 82.366 | 6.218 |
| Apr-24 | 114 | 6 | 82.366 | 6.204 | Apr-24 | 114 | 7 | 82.364 | 6.184 |
| Apr-24 | 114 | 8 | 82.362 | 6.162 | Apr-24 | 114 | 9 | 82.360 | 6.138 |
| Apr-24 | 114 | 10 | 82.358 | 6.116 | Apr-24 | 114 | 11 | 82.356 | 6.099 |
| Apr-24 | 114 | 12 | 82.354 | 6.086 | Apr-24 | 114 | 13 | 82.353 | 6.075 |
| Apr-24 | 114 | 14 | 82.353 | 6.066 | Apr-24 | 114 | 15 | 82.353 | 6.056 |
| Apr-24 | 114 | 16 | 82.354 | 6.046 | Apr-24 | 114 | 17 | 82.354 | 6.031 |
| Apr-24 | 114 | 18 | 82.354 | 6.008 | Apr-24 | 114 | 19 | 82.354 | 5.978 |
| Apr-24 | 114 | 20 | 82.354 | 5.944 | Apr-24 | 114 | 21 | 82.353 | 5.909 |
| Apr-24 | 114 | 22 | 82.353 | 5.884 | Apr-24 | 114 | 23 | 82.354 | 5.867 |
| Apr-25 | 115 | 0 | 82.354 | 5.860 | Apr-25 | 115 | 1 | 82.355 | 5.862 |
| Apr-25 | 115 | 2 | 82.357 | 5.871 | Apr-25 | 115 | 3 | 82.358 | 5.885 |
| Apr-25 | 115 | 4 | 82.359 | 5.896 | Apr-25 | 115 | 5 | 82.359 | 5.902 |
| Apr-25 | 115 | 6 | 82.360 | 5.903 | Apr-25 | 115 | 7 | 82.359 | 5.899 |
| Apr-25 | 115 | 8 | 82.359 | 5.893 | Apr-25 | 115 | 9 | 82.358 | 5.885 |
| Apr-25 | 115 | 10 | 82.356 | 5.877 | Apr-25 | 115 | 11 | 82.353 | 5.870 |
| Apr-25 | 115 | 12 | 82.350 | 5.865 | Apr-25 | 115 | 13 | 82.347 | 5.859 |
| Apr-25 | 115 | 14 | 82.344 | 5.849 | Apr-25 | 115 | 15 | 82.341 | 5.830 |
| Apr-25 | 115 | 16 | 82.339 | 5.807 | Apr-25 | 115 | 17 | 82.337 | 5.777 |
| Apr-25 | 115 | 18 | 82.336 | 5.744 | Apr-25 | 115 | 19 | 82.335 | 5.708 |
| Apr-25 | 115 | 20 | 82.334 | 5.674 | Apr-25 | 115 | 21 | 82.333 | 5.650 |
| Apr-25 | 115 | 22 | 82.331 | 5.625 | Apr-25 | 115 | 23 | 82.328 | 5.604 |
| Apr-26 | 116 | 0 | 82.326 | 5.590 | Apr-26 | 116 | 1 | 82.324 | 5.581 |
| Apr-26 | 116 | 2 | 82.323 | 5.577 | Apr-26 | 116 | 3 | 82.322 | 5.578 |
| Apr-26 | 116 | 4 | 82.321 | 5.580 | Apr-26 | 116 | 5 | 82.320 | 5.581 |
| Apr-26 | 116 | 6 | 82.320 | 5.578 | Apr-26 | 116 | 7 | 82.319 | 5.572 |
| Apr-26 | 116 | 8 | 82.318 | 5.562 | Apr-26 | 116 | 9 | 82.317 | 5.554 |
| Apr-26 | 116 | 10 | 82.314 | 5.538 | Apr-26 | 116 | 11 | 82.312 | 5.520 |
| Apr-26 | 116 | 12 | 82.309 | 5.503 | Apr-26 | 116 | 13 | 82.307 | 5.487 |
| Apr-26 | 116 | 14 | 82.305 | 5.473 | Apr-26 | 116 | 15 | 82.304 | 5.459 |
| Apr-26 | 116 | 16 | 82.303 | 5.438 | Apr-26 | 116 | 17 | 82.302 | 5.412 |
| Apr-26 | 116 | 18 | 82.301 | 5.380 | Apr-26 | 116 | 19 | 82.299 | 5.344 |
| Apr-26 | 116 | 20 | 82.298 | 5.306 | Apr-26 | 116 | 21 | 82.297 | 5.270 |
| Apr-26 | 116 | 22 | 82.295 | 5.234 | Apr-26 | 116 | 23 | 82.294 | 5.203 |
| Apr-27 | 117 | 0 | 82.294 | 5.179 | Apr-27 | 117 | 1 | 82.293 | 5.160 |
| Apr-27 | 117 | 2 | 82.293 | 5.145 | Apr-27 | 117 | 3 | 82.294 | 5.130 |
| Apr-27 | 117 | 4 | 82.293 | 5.114 | Apr-27 | 117 | 5 | 82.292 | 5.097 |
| Apr-27 | 117 | 6 | 82.291 | 5.077 | Apr-27 | 117 | 7 | 82.290 | 5.052 |
| Apr-27 | 117 | 8 | 82.288 | 5.023 | Apr-27 | 117 | 9 | 82.286 | 4.991 |
| Apr-27 | 117 | 10 | 82.283 | 4.953 | Apr-27 | 117 | 11 | 82.280 | 4.913 |
| Apr-27 | 117 | 12 | 82.276 | 4.871 | Apr-27 | 117 | 13 | 82.272 | 4.827 |
| Apr-27 | 117 | 14 | 82.268 | 4.783 | Apr-27 | 117 | 15 | 82.264 | 4.737 |
| Apr-27 | 117 | 16 | 82.258 | 4.693 | Apr-27 | 117 | 17 | 82.251 | 4.648 |
| Apr-27 | 117 | 18 | 82.244 | 4.602 | Apr-27 | 117 | 19 | 82.237 | 4.554 |
| Apr-27 | 117 | 20 | 82.230 | 4.506 | Apr-27 | 117 | 21 | 82.223 | 4.457 |
| Apr-27 | 117 | 22 | 82.215 | 4.416 | Apr-27 | 117 | 23 | 82.207 | 4.382 |
| Apr-28 | 118 | 0 | 82.198 | 4.356 | Apr-28 | 118 | 1 | 82.190 | 4.335 |
| Apr-28 | 118 | 2 | 82.181 | 4.321 | Apr-28 | 118 | 3 | 82.172 | 4.308 |
| Apr-28 | 118 | 4 | 82.163 | 4.309 | Apr-28 | 118 | 5 | 82.154 | 4.312 |
| Apr-28 | 118 | 6 | 82.145 | 4.313 | Apr-28 | 118 | 7 | 82.137 | 4.311 |

| Date | Day | hr | Latitude | Longitude | Date | Day | hr | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| Apr-28 | 118 | 8 | 82.128 | 4.307 | Apr-28 | 118 | 9 | 82.119 | 4.307 |
| Apr-28 | 118 | 10 | 82.112 | 4.308 | Apr-28 | 118 | 11 | 82.104 | 4.309 |
| Apr-28 | 118 | 12 | 82.096 | 4.313 | Apr-28 | 118 | 13 | 82.087 | 4.320 |
| Apr-28 | 118 | 14 | 82.078 | 4.330 | Apr-28 | 118 | 15 | 82.070 | 4.344 |
| Apr-28 | 118 | 16 | 82.063 | 4.357 | Apr-28 | 118 | 17 | 82.056 | 4.367 |
| Apr-28 | 118 | 18 | 82.050 | 4.373 | Apr-28 | 118 | 19 | 82.045 | 4.376 |
| Apr-28 | 118 | 20 | 82.041 | 4.374 | Apr-28 | 118 | 21 | 82.040 | 4.364 |
| Apr-28 | 118 | 22 | 82.039 | 4.359 | Apr-28 | 118 | 23 | 82.037 | 4.359 |
| Apr-29 | 119 | 0 | 82.035 | 4.368 | Apr-29 | 119 | 1 | 82.032 | 4.386 |
| Apr-29 | 119 | 2 | 82.029 | 4.412 | Apr-29 | 119 | 3 | 82.050 | 4.531 |
| Apr-29 | 119 | 4 | 82.051 | 4.558 | Apr-29 | 119 | 5 | 82.053 | 4.584 |
| Apr-29 | 119 | 6 | 82.054 | 4.611 | Apr-29 | 119 | 7 | 82.055 | 4.637 |
| Apr-29 | 119 | 8 | 82.057 | 4.664 | Apr-29 | 119 | 9 | 82.054 | 4.620 |
| Apr-29 | 119 | 10 | 82.057 | 4.664 | Apr-29 | 119 | 11 | 82.059 | 4.707 |
| Apr-29 | 119 | 12 | 82.061 | 4.751 | Apr-29 | 119 | 13 | 82.064 | 4.795 |
| Apr-29 | 119 | 14 | 82.066 | 4.838 | Apr-29 | 119 | 15 | 82.069 | 4.882 |
| Apr-29 | 119 | 16 | 82.071 | 4.926 | Apr-29 | 119 | 17 | 82.073 | 4.970 |
| Apr-29 | 119 | 18 | 82.076 | 5.013 | Apr-29 | 119 | 19 | 82.078 | 5.057 |
| Apr-29 | 119 | 20 | 82.080 | 5.101 | Apr-29 | 119 | 21 | 82.080 | 5.008 |
| Apr-29 | 119 | 22 | 82.081 | 5.018 | Apr-29 | 119 | 23 | 82.083 | 5.027 |

# Section 2:

## Start Times for RSVP Profiles

An asterisk after the file name indicates that the profile should not be used for analyses without being thoroughly checked. It is also used to mark drops which were aborted early through equipment failure. A 'C' after the file name indicates that the conductivity data is unreliable.

| drop # | date | day | time (hhmm) | drop # | date | day | time (hhmm) |
|---|---|---|---|---|---|---|---|
| crx00021 | Mar-31 | 090 | 1648 | crx00022 | Mar-31 | 090 | 1659 |
| crx00023* | Mar-31 | 090 | 1715 | crx00024 | Mar-31 | 090 | 1718 |
| crx00025 | Mar-31 | 090 | 1737 | crx00026 | Mar-31 | 090 | 1753 |
| crx00027 | Mar-31 | 090 | 1807 | crx00028 | Mar-31 | 090 | 1819 |
| crx00029 | Mar-31 | 090 | 1831 | crx00030 | Mar-31 | 090 | 1841 |
| crx00031 | Mar-31 | 090 | 1906 | crx00032* | Mar-31 | 090 | 1911 |
| crx00033 | Mar-31 | 090 | 1922 | crx00034* | Mar-31 | 090 | 1941 |
| crx00035 | Mar-31 | 090 | 1948 | crx00036 | Mar-31 | 090 | 2000 |
| crx00037 | Mar-31 | 090 | 2011 | crx00038 | Mar-31 | 090 | 2024 |
| crx00039 | Mar-31 | 090 | 2041 | crx00040 | Mar-31 | 090 | 2057 |
| crx00041 | Mar-31 | 090 | 2107 | crx00042 | Mar-31 | 090 | 2119 |
| crx00043 | Mar-31 | 090 | 2151 | crx00044 | Mar-31 | 090 | 2203 |
| crx00045 | Mar-31 | 090 | 2213 | crx00046 | Mar-31 | 090 | 2224 |
| crx00047 | Mar-31 | 090 | 2237 | crx00048 | Mar-31 | 090 | 2310 |
| crx00049 | Apr-01 | 091 | 0002 | crx00050 | Apr-01 | 091 | 0013 |
| crx00051 | Apr-01 | 091 | 0024 | crx00052 | Apr-01 | 091 | 0036 |
| crx00053 | Apr-01 | 091 | 0047 | crx00054 | Apr-01 | 091 | 0059 |
| crx00055 | Apr-01 | 091 | 0112 | crx00056 | Apr-01 | 091 | 0123 |
| crx00057 | Apr-01 | 091 | 0141 | crx00058 | Apr-01 | 091 | 0153 |
| crx00059 | Apr-01 | 091 | 0205 | crx00060 | Apr-01 | 091 | 0226 |
| crx00061 | Apr-01 | 091 | 0242 | crx00062 | Apr-01 | 091 | 0253 |
| crx00063 | Apr-01 | 091 | 0305 | crx00064 | Apr-01 | 091 | 0318 |
| crx00065 | Apr-01 | 091 | 0330 | crx00066 | Apr-01 | 091 | 0349 |
| crx00067* | Apr-01 | 091 |  | crx00068 | Apr-01 | 091 | 0405 |
| crx00069 | Apr-01 | 091 | 0424 | crx00070 | Apr-01 | 091 | 0439 |
| crx00071 | Apr-01 | 091 | 0450 | crx00072 | Apr-01 | 091 | 0506 |
| crx00073 | Apr-01 | 091 | 0524 | crx00074 | Apr-01 | 091 | 0541 |
| crx00075 | Apr-01 | 091 | 0557 | crx00076 | Apr-01 | 091 | 0611 |
| crx00077 | Apr-01 | 091 | 0650 | crx00078 | Apr-01 | 091 | 0709 |
| crx00079 | Apr-01 | 091 | 0752 | crx00080 | Apr-01 | 091 | 0802 |
| crx00081C | Apr-01 | 091 | 0909 | crx00082 | Apr-01 | 091 | 0937 |
| crx00083 | Apr-01 | 091 | 0953 | crx00084 | Apr-01 | 091 | 1007 |
| crx00085* | Apr-01 | 091 |  | crx00086 | Apr-01 | 091 | 1024 |
| crx00087 | Apr-01 | 091 | 1041 | crx00088 | Apr-01 | 091 | 1056 |
| crx00089* | Apr-01 | 091 | 1109 | crx00090* | Apr-01 | 091 | 1116 |
| crx00091 | Apr-01 | 091 | 1130 | crx00092 | Apr-01 | 091 | 1200 |
| crx00093 | Apr-01 | 091 | 1225 | crx00094 | Apr-01 | 091 | 1255 |
| crx00095 | Apr-01 | 091 | 1309 | crx00096 | Apr-01 | 091 | 1322 |
| crx00097 | Apr-01 | 091 | 1334 | crx00098 | Apr-01 | 091 | 1347 |
| crx00099* | Apr-01 | 091 |  | crx00100 | Apr-01 | 091 | 1408 |
| crx00101 | Apr-01 | 091 | 1426 | crx00102 | Apr-01 | 091 | 1445 |
| crx00103 | Apr-01 | 091 | 1500 | crx00104 | Apr-01 | 091 | 1517 |
| crx00105 | Apr-01 | 091 | 1532 | crx00106 | Apr-01 | 091 | 1546 |
| crx00107 | Apr-01 | 091 | 1559 | crx00108 | Apr-01 | 091 | 1612 |
| crx00109 | Apr-01 | 091 | 1625 | crx00110 | Apr-01 | 091 | 1638 |
| crx00111 | Apr-01 | 091 | 1650 | crx00112 | Apr-01 | 091 | 1703 |
| crx00113 | Apr-01 | 091 | 1716 | crx00114 | Apr-01 | 091 | 1730 |
| crx00115 | Apr-01 | 091 | 1743 | crx00116 | Apr-01 | 091 | 1845 |
| crx00117* | Apr-01 | 091 | 1904 | crx00118 | Apr-01 | 091 | 1917 |
| crx00119 | Apr-01 | 091 | 1930 | crx00120 | Apr-01 | 091 | 1943 |

| drop # | date | day | time (hhmm) | drop # | date | day | time (hhmm) |
|---|---|---|---|---|---|---|---|
| crx00121* | Apr-01 | 091 | 2001 | crx00122 | Apr-01 | 091 | 2028 |
| crx00123 | Apr-01 | 091 | 2040 | crx00124 | Apr-01 | 091 | 2053 |
| crx00125 | Apr-01 | 091 | 2121 | crx00126 | Apr-01 | 091 | 2134 |
| crx00127* | Apr-01 | 091 | | crx00128* | Apr-01 | 091 | 2338 |
| crx00129* | Apr-02 | 092 | 0938 | crx00130* | Apr-02 | 092 | 1220 |
| crx00131* | Apr-02 | 092 | 1229 | crx00132 | Apr-02 | 092 | 1301 |
| crx00133 | Apr-02 | 092 | 1318 | crx00134* | Apr-02 | 092 | 1721 |
| crx00135 | Apr-02 | 092 | 1733 | crx00136 | Apr-02 | 092 | 1821 |
| crx00137 | Apr-02 | 092 | 1837 | crx00138 | Apr-02 | 092 | 1939 |
| crx00139 | Apr-02 | 092 | 2003 | crx00140 | Apr-02 | 092 | 2019 |
| crx00141 | Apr-02 | 092 | 2029 | crx00142 | Apr-02 | 092 | 2040 |
| crx00143 | Apr-02 | 092 | 2051 | crx00144 | Apr-02 | 092 | 2101 |
| crx00145 | Apr-02 | 092 | 2114 | crx00146 | Apr-02 | 092 | 2123 |
| crx00147 | Apr-02 | 092 | 2138 | crx00148 | Apr-02 | 092 | 2150 |
| crx00149 | Apr-02 | 092 | 2202 | crx00150 | Apr-02 | 092 | 2215 |
| crx00151 | Apr-02 | 092 | 2223 | crx00152 | Apr-02 | 092 | 2232 |
| crx00153 | Apr-02 | 092 | 2242 | crx00154* | Apr-02 | 092 | 2251 |
| crx00155 | Apr-02 | 092 | 2254 | crx00156 | Apr-03 | 093 | 0829 |
| crx00157 | Apr-03 | 093 | 0940 | crx00158 | Apr-03 | 093 | 0951 |
| crx00159 | Apr-03 | 093 | 1002 | crx00160 | Apr-03 | 093 | 1015 |
| crx00161 | Apr-03 | 093 | 1032 | crx00162 | Apr-03 | 093 | 1048 |
| crx00163 | Apr-03 | 093 | 1105 | crx00164 | Apr-03 | 093 | 1117 |
| crx00165 | Apr-03 | 093 | 1128 | crx00166 | Apr-03 | 093 | 1139 |
| crx00167 | Apr-03 | 093 | 1151 | crx00168 | Apr-03 | 093 | 1202 |
| crx00169 | Apr-03 | 093 | 1211 | crx00170 | Apr-03 | 093 | 1221 |
| crx00171 | Apr-03 | 093 | 1233 | crx00172 | Apr-03 | 093 | 1334 |
| crx00173 | Apr-03 | 093 | 1344 | crx00174* | Apr-03 | 093 | 1400 |
| crx00175C | Apr-03 | 093 | 1402 | crx00176 | Apr-03 | 093 | 1414 |
| crx00177 | Apr-03 | 093 | 1424 | crx00178 | Apr-03 | 093 | 1435 |
| crx00179 | Apr-03 | 093 | 1445 | crx00180 | Apr-03 | 093 | 1455 |
| crx00181 | Apr-03 | 093 | 1506 | crx00182 | Apr-03 | 093 | 1521 |
| crx00183 | Apr-03 | 093 | 1532 | crx00184 | Apr-03 | 093 | 1543 |
| crx00185 | Apr-03 | 093 | 1554 | crx00186 | Apr-03 | 093 | 1604 |
| crx00187 | Apr-03 | 093 | 1615 | crx00188 | Apr-03 | 093 | 1627 |
| crx00189 | Apr-03 | 093 | 1640 | crx00190 | Apr-03 | 093 | 1651 |
| crx00191 | Apr-03 | 093 | 1701 | crx00192 | Apr-03 | 093 | 1714 |
| crx00193 | Apr-03 | 093 | 1736 | crx00194 | Apr-03 | 093 | 1752 |
| crx00195* | Apr-03 | 093 | 1812 | crx00196C | Apr-03 | 093 | 2124 |
| crx00197 | Apr-03 | 093 | 2145 | crx00198C | Apr-04 | 094 | 0801 |
| crx00199* | Apr-04 | 094 | 1022 | crx00200 | Apr-04 | 094 | 1056 |
| crx00201 | Apr-04 | 094 | 1102 | crx00202 | Apr-04 | 094 | 1242 |
| crx00203 | Apr-04 | 094 | 1354 | crx00204 | Apr-04 | 094 | 1409 |
| crx00205 | Apr-04 | 094 | 1432 | crx00206 | Apr-04 | 094 | 1450 |
| crx00207 | Apr-04 | 094 | 1514 | crx00208 | Apr-04 | 094 | 1555 |
| crx00209 | Apr-04 | 094 | 1620 | crx00210 | Apr-04 | 094 | 1642 |
| crx00211 | Apr-04 | 094 | 1701 | crx00212 | Apr-04 | 094 | 1719 |
| crx00213 | Apr-04 | 094 | 1743 | crx00214 | Apr-04 | 094 | 1809 |
| crx00215 | Apr-04 | 094 | 1835 | crx00216 | Apr-04 | 094 | 1853 |
| crx00217 | Apr-04 | 094 | 1913 | crx00218 | Apr-04 | 094 | 1942 |
| crx00219 | Apr-04 | 094 | 2004 | crx00220 | Apr-04 | 094 | 2021 |

| drop # | date | day | time (hhmm) | drop # | date | day | time (hhmm) |
|---|---|---|---|---|---|---|---|
| crx00221 | Apr-04 | 094 | 2038 | crx00222 | Apr-04 | 094 | 2056 |
| crx00223 | Apr-04 | 094 | 2115 | crx00224 | Apr-04 | 094 | 2203 |
| crx00225 | Apr-04 | 094 | 2221 | crx00226 | Apr-04 | 094 | 2240 |
| crx00227 | Apr-04 | 094 | 2258 | crx00228 | Apr-04 | 094 | 2316 |
| crx00229 | Apr-04 | 094 | 2332 | crx00230 | Apr-04 | 094 | 2350 |
| crx00231 | Apr-05 | 095 | 0007 | crx00232 | Apr-05 | 095 | 0044 |
| crx00233 | Apr-05 | 095 | 0100 | crx00234 | Apr-05 | 095 | 0115 |
| crx00235 | Apr-05 | 095 | 0145 | crx00236* | Apr-05 | 095 | 0215 |
| crx00237 | Apr-05 | 095 | 0222 | crx00238 | Apr-05 | 095 | 0245 |
| crx00239 | Apr-05 | 095 | 0315 | crx00240 | Apr-05 | 095 | 0345 |
| crx00241 | Apr-05 | 095 | 0415 | crx00242 | Apr-05 | 095 | 0431 |
| crx00243 | Apr-05 | 095 | 0447 | crx00244 | Apr-05 | 095 | 0515 |
| crx00245 | Apr-05 | 095 | 0530 | crx00246 | Apr-05 | 095 | 0545 |
| crx00247 | Apr-05 | 095 | 0602 | crx00248 | Apr-05 | 095 | 0627 |
| crx00249 | Apr-05 | 095 | 0642 | crx00250 | Apr-05 | 095 | 0807 |
| crx00251 | Apr-05 | 095 | 0825 | crx00252 | Apr-05 | 095 | 0840 |
| crx00253 | Apr-05 | 095 | 0903 | crx00254 | Apr-05 | 095 | 0917 |
| crx00255 | Apr-05 | 095 | 0936 | crx00256 | Apr-05 | 095 | 0953 |
| crx00257 | Apr-05 | 095 | 1017 | crx00258 | Apr-05 | 095 | 1033 |
| crx00259 | Apr-05 | 095 | 1057 | crx00260 | Apr-05 | 095 | 1116 |
| crx00261 | Apr-05 | 095 | 1133 | crx00262 | Apr-05 | 095 | 1148 |
| crx00263 | Apr-05 | 095 | 1207 | crx00264 | Apr-05 | 095 | 1224 |
| crx00265 | Apr-05 | 095 | 1239 | crx00266 | Apr-05 | 095 | 1253 |
| crx00267 | Apr-05 | 095 | 1317 | crx00268 | Apr-05 | 095 | 1330 |
| crx00269 | Apr-05 | 095 | 1343 | crx00270 | Apr-05 | 095 | 1354 |
| crx00271 | Apr-05 | 095 | 1405 | crx00272 | Apr-05 | 095 | 1415 |
| crx00273 | Apr-05 | 095 | 1426 | crx00274 | Apr-05 | 095 | 1436 |
| crx00275 | Apr-05 | 095 | 1456 | crx00276 | Apr-05 | 095 | 1521 |
| crx00277 | Apr-05 | 095 | 1536 | crx00278 | Apr-05 | 095 | 1650 |
| crx00279 | Apr-05 | 095 | 1703 | crx00280 | Apr-05 | 095 | 1717 |
| crx00281 | Apr-05 | 095 | 1730 | crx00282 | Apr-05 | 095 | 1742 |
| crx00283 | Apr-05 | 095 | 1755 | crx00284 | Apr-05 | 095 | 1807 |
| crx00285 | Apr-05 | 095 | 1819 | crx00286 | Apr-05 | 095 | 1833 |
| crx00287 | Apr-05 | 095 | 1904 | crx00288 | Apr-05 | 095 | 1917 |
| crx00289 | Apr-05 | 095 | 1929 | crx00290 | Apr-05 | 095 | 1947 |
| crx00291 | Apr-05 | 095 | 2001 | crx00292 | Apr-05 | 095 | 2013 |
| crx00293 | Apr-05 | 095 | 2025 | crx00294 | Apr-05 | 095 | 2103 |
| crx00295 | Apr-05 | 095 | 2116 | crx00296 | Apr-05 | 095 | 2128 |
| crx00297 | Apr-05 | 095 | 2145 | crx00298 | Apr-05 | 095 | 2157 |
| crx00299 | Apr-05 | 095 | 2209 | crx00300 | Apr-05 | 095 | 2234 |
| crx00301 | Apr-05 | 095 | 2248 | crx00302 | Apr-05 | 095 | 2300 |
| crx00303 | Apr-05 | 095 | 2321 | crx00304 | Apr-05 | 095 | 2337 |
| crx00305 | Apr-05 | 095 | 2358 | crx00306 | Apr-06 | 096 | 0028 |
| crx00307* | Apr-06 | 096 | 0000 | crx00308* | Apr-06 | 096 | 0000 |
| crx00309 | Apr-06 | 096 | 0205 | crx00310 | Apr-06 | 096 | 0243 |
| crx00311 | Apr-06 | 096 | 0258 | crx00312 | Apr-06 | 096 | 0313 |
| crx00313* | Apr-06 | 096 | 0000 | crx00314 | Apr-06 | 096 | 0330 |
| crx00315 | Apr-06 | 096 | 0400 | crx00316 | Apr-06 | 096 | 0428 |
| crx00317 | Apr-06 | 096 | 0500 | crx00318* | Apr-06 | 096 | 0000 |
| crx00319 | Apr-06 | 096 | 0540 | crx00320 | Apr-06 | 096 | 0559 |

| drop # | date | day | time (hhmm) | drop # | date | day | time (hhmm) |
|---|---|---|---|---|---|---|---|
| crx00321 | Apr-06 | 096 | 0621 | crx00322 | Apr-06 | 096 | 0638 |
| crx00323 | Apr-06 | 096 | 0705 | crx00324 | Apr-06 | 096 | 0722 |
| crx00325 | Apr-06 | 096 | 0740 | crx00326 | Apr-06 | 096 | 0757 |
| crx00327 | Apr-06 | 096 | 0813 | crx00328 | Apr-06 | 096 | 0829 |
| crx00329 | Apr-06 | 096 | 0844 | crx00330 | Apr-06 | 096 | 0902 |
| crx00331 | Apr-06 | 096 | 0923 | crx00332 | Apr-06 | 096 | 0939 |
| crx00333 | Apr-06 | 096 | 0956 | crx00334 | Apr-06 | 096 | 1011 |
| crx00335 | Apr-06 | 096 | 1028 | crx00336 | Apr-06 | 096 | 1113 |
| crx00337 | Apr-06 | 096 | 1129 | crx00338 | Apr-06 | 096 | 1144 |
| crx00339 | Apr-06 | 096 | 1200 | crx00340 | Apr-06 | 096 | 1216 |
| crx00341 | Apr-06 | 096 | 1231 | crx00342 | Apr-06 | 096 | 1248 |
| crx00343 | Apr-06 | 096 | 1303 | crx00344* | Apr-06 | 096 | 1318 |
| crx00345 | Apr-06 | 096 | 1320 | crx00346 | Apr-06 | 096 | 1340 |
| crx00347 | Apr-06 | 096 | 1414 | crx00348 | Apr-06 | 096 | 1431 |
| crx00349 | Apr-06 | 096 | 1449 | crx00350 | Apr-06 | 096 | 1507 |
| crx00351 | Apr-06 | 096 | 1524 | crx00352 | Apr-06 | 096 | 1541 |
| crx00353 | Apr-06 | 096 | 1558 | crx00354 | Apr-06 | 096 | 1629 |
| crx00355C | Apr-06 | 096 | 1646 | crx00356 | Apr-06 | 096 | 1706 |
| crx00357 | Apr-06 | 096 | 1723 | crx00358 | Apr-06 | 096 | 1740 |
| crx00359 | Apr-06 | 096 | 1756 | crx00360 | Apr-06 | 096 | 1813 |
| crx00361 | Apr-06 | 096 | 1829 | crx00362 | Apr-06 | 096 | 1932 |
| crx00363 | Apr-06 | 096 | 1950 | crx00364 | Apr-06 | 096 | 2007 |
| crx00365 | Apr-06 | 096 | 2023 | crx00366 | Apr-06 | 096 | 2041 |
| crx00367 | Apr-06 | 096 | 2057 | crx00368 | Apr-06 | 096 | 2114 |
| crx00369 | Apr-06 | 096 | 2130 | crx00370 | Apr-06 | 096 | 2147 |
| crx00371 | Apr-06 | 096 | 2203 | crx00372 | Apr-06 | 096 | 2221 |
| crx00373 | Apr-06 | 096 | 2237 | crx00374 | Apr-06 | 096 | 2256 |
| crx00375 | Apr-06 | 096 | 2330 | crx00376 | Apr-07 | 097 | 0001 |
| crx00377 | Apr-07 | 097 | 0030 | crx00378 | Apr-07 | 097 | 0100 |
| crx00379 | Apr-07 | 097 | 0130 | crx00380 | Apr-07 | 097 | 0146 |
| crx00381 | Apr-07 | 097 | 0200 | crx00382 | Apr-07 | 097 | 0225 |
| crx00383 | Apr-07 | 097 | 0300 | crx00384 | Apr-07 | 097 | 0330 |
| crx00385 | Apr-07 | 097 | 0400 | crx00386* | Apr-07 | 097 | 0000 |
| crx00387* | Apr-07 | 097 | 0000 | crx00388* | Apr-07 | 097 | 0000 |
| crx00389* | Apr-07 | 097 | 0000 | crx00390 | Apr-07 | 097 | 0523 |
| crx00391 | Apr-07 | 097 | 0540 | crx00392 | Apr-07 | 097 | 0607 |
| crx00393 | Apr-07 | 097 | 0630 | crx00394 | Apr-07 | 097 | 0650 |
| crx00395 | Apr-07 | 097 | 0713 | crx00396C | Apr-07 | 097 | 0737 |
| crx00397 | Apr-07 | 097 | 0755 | crx00398 | Apr-07 | 097 | 0816 |
| crx00399 | Apr-07 | 097 | 0835 | crx00400 | Apr-07 | 097 | 0855 |
| crx00401 | Apr-07 | 097 | 0914 | crx00402 | Apr-07 | 097 | 0935 |
| crx00403 | Apr-07 | 097 | 1001 | crx00404 | Apr-07 | 097 | 1029 |
| crx00405 | Apr-07 | 097 | 1100 | crx00406* | Apr-07 | 097 | 0000 |
| crx00407* | Apr-07 | 097 | 0000 | crx00408* | Apr-07 | 097 | 1321 |
| crx00409 | Apr-07 | 097 | 1340 | crx00410 | Apr-07 | 097 | 1358 |
| crx00411 | Apr-07 | 097 | 1417 | crx00412 | Apr-07 | 097 | 1435 |
| crx00413 | Apr-07 | 097 | 1453 | crx00414 | Apr-07 | 097 | 1512 |
| crx00415 | Apr-07 | 097 | 1530 | crx00416 | Apr-07 | 097 | 1616 |
| crx00417 | Apr-07 | 097 | 1633 | crx00418 | Apr-07 | 097 | 1651 |
| crx00419 | Apr-07 | 097 | 1709 | crx00420 | Apr-07 | 097 | 1726 |

| drop # | date | day | time (hhmm) | drop # | date | day | time (hhmm) |
|---|---|---|---|---|---|---|---|
| crx00421 | Apr-07 | 097 | 1742 | crx00422 | Apr-07 | 097 | 1753 |
| crx00423 | Apr-07 | 097 | 1759 | crx00424 | Apr-07 | 097 | 1805 |
| crx00425 | Apr-07 | 097 | 1811 | crx00426 | Apr-07 | 097 | 1818 |
| crx00427 | Apr-07 | 097 | 1824 | crx00428 | Apr-07 | 097 | 1830 |
| crx00429 | Apr-07 | 097 | 1837 | crx00430 | Apr-07 | 097 | 1844 |
| crx00431 | Apr-07 | 097 | 1904 | crx00432 | Apr-07 | 097 | 1907 |
| crx00433 | Apr-07 | 097 | 1917 | crx00434 | Apr-07 | 097 | 1924 |
| crx00435 | Apr-07 | 097 | 1931 | crx00436 | Apr-07 | 097 | 1938 |
| crx00437 | Apr-07 | 097 | 1952 | crx00438 | Apr-07 | 097 | 1958 |
| crx00439 | Apr-07 | 097 | 2005 | crx00440 | Apr-07 | 097 | 2013 |
| crx00441 | Apr-07 | 097 | 2024 | crx00442 | Apr-07 | 097 | 2042 |
| crx00443 | Apr-07 | 097 | 2048 | crx00444 | Apr-07 | 097 | 2055 |
| crx00445 | Apr-07 | 097 | 2102 | crx00446 | Apr-07 | 097 | 2111 |
| crx00447 | Apr-07 | 097 | 2126 | crx00448 | Apr-07 | 097 | 2141 |
| crx00449 | Apr-07 | 097 | 2200 | crx00450 | Apr-07 | 097 | 2211 |
| crx00451 | Apr-07 | 097 | 2225 | crx00452 | Apr-07 | 097 | 2254 |
| crx00453 | Apr-07 | 097 | 2314 | crx00454 | Apr-08 | 098 | 0008 |
| crx00455 | Apr-08 | 098 | 0028 | crx00456 | Apr-08 | 098 | 0045 |
| crx00457 | Apr-08 | 098 | 0100 | crx00458 | Apr-08 | 098 | 0130 |
| crx00459 | Apr-08 | 098 | 0200 | crx00460 | Apr-08 | 098 | 0230 |
| crx00461 | Apr-08 | 098 | 0258 | crx00462 | Apr-08 | 098 | 0332 |
| crx00463 | Apr-08 | 098 | 0400 | crx00464 | Apr-08 | 098 | 0427 |
| crx00465 | Apr-08 | 098 | 0459 | crx00466 | Apr-08 | 098 | 0530 |
| crx00467 | Apr-08 | 098 | 0600 | crx00468 | Apr-08 | 098 | 0625 |
| crx00469 | Apr-08 | 098 | 0647 | crx00470 | Apr-08 | 098 | 0713 |
| crx00471 | Apr-08 | 098 | 0736 | crx00472 | Apr-08 | 098 | 0753 |
| crx00473 | Apr-08 | 098 | 0820 | crx00474 | Apr-08 | 098 | 0841 |
| crx00475 | Apr-08 | 098 | 0902 | crx00476 | Apr-08 | 098 | 0930 |
| crx00477 | Apr-08 | 098 | 0955 | crx00478 | Apr-08 | 098 | 1036 |
| crx00479 | Apr-08 | 098 | 1050 | crx00480 | Apr-08 | 098 | 1058 |
| crx00481 | Apr-08 | 098 | 1107 | crx00482 | Apr-08 | 098 | 1118 |
| crx00483 | Apr-08 | 098 | 1136 | crx00484 | Apr-08 | 098 | 1200 |
| crx00485 | Apr-08 | 098 | 1218 | crx00486 | Apr-08 | 098 | 1231 |
| crx00487 | Apr-08 | 098 | 1247 | crx00488 | Apr-08 | 098 | 1302 |
| crx00489 | Apr-08 | 098 | 1322 | crx00490 | Apr-08 | 098 | 1340 |
| crx00491 | Apr-08 | 098 | 1400 | crx00492 | Apr-08 | 098 | 1420 |
| crx00493 | Apr-08 | 098 | 1440 | crx00494 | Apr-08 | 098 | 1455 |
| crx00495 | Apr-08 | 098 | 1505 | crx00496 | Apr-08 | 098 | 1516 |
| crx00497 | Apr-08 | 098 | 1527 | crx00498 | Apr-08 | 098 | 1550 |
| crx00499 | Apr-08 | 098 | 1610 | crx00500 | Apr-08 | 098 | 1630 |
| crx00501 | Apr-08 | 098 | 1650 | crx00502 | Apr-08 | 098 | 1710 |
| crx00503 | Apr-08 | 098 | 1735 | crx00504 | Apr-08 | 098 | 1821 |
| crx00505 | Apr-08 | 098 | 1838 | crx00506 | Apr-08 | 098 | 1903 |
| crx00507 | Apr-08 | 098 | 1919 | crx00508 | Apr-08 | 098 | 1940 |
| crx00509 | Apr-08 | 098 | 2000 | crx00510 | Apr-08 | 098 | 2030 |
| crx00511 | Apr-08 | 098 | 2100 | crx00512 | Apr-08 | 098 | 2120 |
| crx00513 | Apr-08 | 098 | 2140 | crx00514 | Apr-08 | 098 | 2158 |
| crx00515 | Apr-08 | 098 | 2229 | crx00516 | Apr-08 | 098 | 2300 |
| crx00517 | Apr-08 | 098 | 2330 | crx00518 | Apr-09 | 099 | 0000 |
| crx00519 | Apr-09 | 099 | 0030 | crx00520 | Apr-09 | 099 | 0100 |

| drop # | date | day | time (hhmm) | drop # | date | day | time (hhmm) |
|---|---|---|---|---|---|---|---|
| crx00521 | Apr-09 | 099 | 0130 | crx00522 | Apr-09 | 099 | 0200 |
| crx00523 | Apr-09 | 099 | 0230 | crx00524 | Apr-09 | 099 | 0300 |
| crx00525 | Apr-09 | 099 | 0330 | crx00526 | Apr-09 | 099 | 0400 |
| crx00527 | Apr-09 | 099 | 0430 | crx00528 | Apr-09 | 099 | 0500 |
| crx00529 | Apr-09 | 099 | 0530 | crx00530C | Apr-09 | 099 | 0622 |
| crx00531 | Apr-09 | 099 | 0644 | crx00532 | Apr-09 | 099 | 0714 |
| crx00533 | Apr-09 | 099 | 0737 | crx00534 | Apr-09 | 099 | 0800 |
| crx00535 | Apr-09 | 099 | 0818 | crx00536 | Apr-09 | 099 | 0841 |
| crx00537 | Apr-09 | 099 | 0900 | crx00538* | Apr-09 | 099 | 0000 |
| crx00539* | Apr-09 | 099 | 0000 | crx00540* | Apr-09 | 099 | 0000 |
| crx00541* | Apr-09 | 099 | 0000 | crx00542 | Apr-09 | 099 | 1021 |
| crx00543 | Apr-09 | 099 | 1109 | crx00544 | Apr-09 | 099 | 1130 |
| crx00545 | Apr-09 | 099 | 1200 | crx00546 | Apr-09 | 099 | 1230 |
| crx00547 | Apr-09 | 099 | 1300 | crx00548 | Apr-09 | 099 | 1320 |
| crx00549 | Apr-09 | 099 | 1340 | crx00550 | Apr-09 | 099 | 1400 |
| crx00551 | Apr-09 | 099 | 1430 | crx00552 | Apr-09 | 099 | 1500 |
| crx00553 | Apr-09 | 099 | 1530 | crx00554C | Apr-09 | 099 | 1600 |
| crx00555 | Apr-09 | 099 | 1626 | crx00556 | Apr-09 | 099 | 1711 |
| crx00557 | Apr-09 | 099 | 1730 | crx00558 | Apr-09 | 099 | 1800 |
| crx00559 | Apr-09 | 099 | 1830 | crx00560 | Apr-09 | 099 | 1905 |
| crx00561 | Apr-09 | 099 | 1930 | crx00562 | Apr-09 | 099 | 2000 |
| crx00563 | Apr-09 | 099 | 2030 | crx00564 | Apr-09 | 099 | 2100 |
| crx00565 | Apr-09 | 099 | 2130 | crx00566 | Apr-09 | 099 | 2200 |
| crx00567 | Apr-09 | 099 | 2212 | crx00568 | Apr-09 | 099 | 2230 |
| crx00569 | Apr-09 | 099 | 2300 | crx00570 | Apr-09 | 099 | 2320 |
| crx00571 | Apr-09 | 099 | 2335 | crx00572 | Apr-09 | 099 | 2350 |
| crx00573 | Apr-10 | 100 | 0002 | crx00574 | Apr-10 | 100 | 0030 |
| crx00575 | Apr-10 | 100 | 0100 | crx00576 | Apr-10 | 100 | 0130 |
| crx00577 | Apr-10 | 100 | 0200 | crx00578 | Apr-10 | 100 | 0230 |
| crx00579 | Apr-10 | 100 | 0300 | crx00580 | Apr-10 | 100 | 0330 |
| crx00581 | Apr-10 | 100 | 0424 | crx00582 | Apr-10 | 100 | 0500 |
| crx00583 | Apr-10 | 100 | 0530 | crx00584 | Apr-10 | 100 | 0600 |
| crx00585 | Apr-10 | 100 | 0630 | crx00586 | Apr-10 | 100 | 0705 |
| crx00587 | Apr-10 | 100 | 0730 | crx00588 | Apr-10 | 100 | 0750 |
| crx00589 | Apr-10 | 100 | 0810 | crx00590 | Apr-10 | 100 | 0830 |
| crx00591 | Apr-10 | 100 | 0850 | crx00592 | Apr-10 | 100 | 0905 |
| crx00593 | Apr-10 | 100 | 0910 | crx00594 | Apr-10 | 100 | 0932 |
| crx00595 | Apr-10 | 100 | 0950 | crx00596 | Apr-10 | 100 | 1010 |
| crx00597 | Apr-10 | 100 | 1030 | crx00598 | Apr-10 | 100 | 1050 |
| crx00599 | Apr-10 | 100 | 1110 | crx00600 | Apr-10 | 100 | 1130 |
| crx00601 | Apr-10 | 100 | 1200 | crx00602 | Apr-10 | 100 | 1220 |
| crx00603 | Apr-10 | 100 | 1240 | crx00604 | Apr-10 | 100 | 1300 |
| crx00605 | Apr-10 | 100 | 1317 | crx00606 | Apr-10 | 100 | 1336 |
| crx00607 | Apr-10 | 100 | 1420 | crx00608 | Apr-10 | 100 | 1437 |
| crx00609 | Apr-10 | 100 | 1500 | crx00610 | Apr-10 | 100 | 1520 |
| crx00611 | Apr-10 | 100 | 1548 | crx00612 | Apr-10 | 100 | 1620 |
| crx00613 | Apr-10 | 100 | 1641 | crx00614 | Apr-10 | 100 | 1700 |
| crx00615 | Apr-10 | 100 | 1720 | crx00616 | Apr-10 | 100 | 1740 |
| crx00617 | Apr-10 | 100 | 1800 | crx00618 | Apr-10 | 100 | 1820 |
| crx00619 | Apr-10 | 100 | 1840 | crx00620 | Apr-10 | 100 | 1903 |

| drop # | date | day | time (hhmm) | drop # | date | day | time (hhmm) |
|---|---|---|---|---|---|---|---|
| crx00621 | Apr-10 | 100 | 1920 | crx00622 | Apr-10 | 100 | 1940 |
| crx00623 | Apr-10 | 100 | 2000 | crx00624 | Apr-10 | 100 | 2020 |
| crx00625 | Apr-10 | 100 | 2040 | crx00626 | Apr-10 | 100 | 2100 |
| crx00627 | Apr-10 | 100 | 2120 | crx00628 | Apr-10 | 100 | 2140 |
| crx00629 | Apr-10 | 100 | 2200 | crx00630 | Apr-10 | 100 | 2238 |
| crx00631 | Apr-10 | 100 | 2300 | crx00632* | Apr-10 | 100 | 2329 |
| crx00633 | Apr-10 | 100 | 2330 | crx00634 | Apr-11 | 101 | 0000 |
| crx00635 | Apr-11 | 101 | 0030 | crx00636 | Apr-11 | 101 | 0100 |
| crx00637 | Apr-11 | 101 | 0130 | crx00638 | Apr-11 | 101 | 0230 |
| crx00639 | Apr-11 | 101 | 0300 | crx00640 | Apr-11 | 101 | 0330 |
| crx00641 | Apr-11 | 101 | 0400 | crx00642 | Apr-11 | 101 | 0430 |
| crx00643 | Apr-11 | 101 | 0500 | crx00644 | Apr-11 | 101 | 0530 |
| crx00645 | Apr-11 | 101 | 0600 | crx00646 | Apr-11 | 101 | 0620 |
| crx00647 | Apr-11 | 101 | 0640 | crx00648 | Apr-11 | 101 | 0704 |
| crx00649 | Apr-11 | 101 | 0723 | crx00650 | Apr-11 | 101 | 0742 |
| crx00651 | Apr-11 | 101 | 0801 | crx00652 | Apr-11 | 101 | 0829 |
| crx00653 | Apr-11 | 101 | 0850 | crx00654* | Apr-11 | 101 | 0912 |
| crx00655 | Apr-11 | 101 | 0916 | crx00656 | Apr-11 | 101 | 0937 |
| crx00657 | Apr-11 | 101 | 1018 | crx00658 | Apr-11 | 101 | 1040 |
| crx00659 | Apr-11 | 101 | 1100 | crx00660 | Apr-11 | 101 | 1122 |
| crx00661 | Apr-11 | 101 | 1140 | crx00662 | Apr-11 | 101 | 1200 |
| crx00663 | Apr-11 | 101 | 1230 | crx00664 | Apr-11 | 101 | 1250 |
| crx00665 | Apr-11 | 101 | 1310 | crx00666 | Apr-11 | 101 | 1330 |
| crx00667 | Apr-11 | 101 | 1357 | crx00668 | Apr-11 | 101 | 1425 |
| crx00669 | Apr-11 | 101 | 1440 | crx00670 | Apr-11 | 101 | 1500 |
| crx00671 | Apr-11 | 101 | 1530 | crx00672* | Apr-11 | 101 | 0000 |
| crx00673* | Apr-11 | 101 | 0000 | crx00674* | Apr-11 | 101 | 0000 |
| crx00675* | Apr-11 | 101 | 0000 | crx00676* | Apr-11 | 101 | 0000 |
| crx00677 | Apr-11 | 101 | 1605 | crx00678 | Apr-11 | 101 | 1630 |
| crx00679 | Apr-11 | 101 | 1700 | crx00680 | Apr-11 | 101 | 1730 |
| crx00681 | Apr-11 | 101 | 1800 | crx00682 | Apr-11 | 101 | 1830 |
| crx00683 | Apr-11 | 101 | 1904 | crx00684 | Apr-11 | 101 | 1930 |
| crx00685 | Apr-11 | 101 | 2000 | crx00686 | Apr-11 | 101 | 2030 |
| crx00687 | Apr-11 | 101 | 2100 | crx00688 | Apr-11 | 101 | 2141 |
| crx00689* | Apr-11 | 101 | 2234 | crx00690 | Apr-11 | 101 | 2300 |
| crx00691 | Apr-11 | 101 | 2330 | crx00692 | Apr-12 | 102 | 0000 |
| crx00693 | Apr-12 | 102 | 0030 | crx00694 | Apr-12 | 102 | 0100 |
| crx00695 | Apr-12 | 102 | 0130 | crx00696* | Apr-12 | 102 | 0200 |
| crx00697* | Apr-12 | 102 | 0000 | crx00698* | Apr-12 | 102 | 0320 |
| crx00699 | Apr-12 | 102 | 0400 | crx00700 | Apr-12 | 102 | 0430 |
| crx00701 | Apr-12 | 102 | 0451 | crx00702 | Apr-12 | 102 | 0506 |
| crx00703 | Apr-12 | 102 | 0522 | crx00704 | Apr-12 | 102 | 0540 |
| crx00705 | Apr-12 | 102 | 0600 | crx00706 | Apr-12 | 102 | 0620 |
| crx00707 | Apr-12 | 102 | 0640 | crx00708 | Apr-12 | 102 | 0704 |
| crx00709 | Apr-12 | 102 | 0721 | crx00710 | Apr-12 | 102 | 0736 |
| crx00711 | Apr-12 | 102 | 0751 | crx00712 | Apr-12 | 102 | 0807 |
| crx00713 | Apr-12 | 102 | 0826 | crx00714 | Apr-12 | 102 | 0909 |
| crx00715 | Apr-12 | 102 | 0924 | crx00716 | Apr-12 | 102 | 0938 |
| crx00717 | Apr-12 | 102 | 0952 | crx00718 | Apr-12 | 102 | 1004 |
| crx00719 | Apr-12 | 102 | 1016 | crx00720 | Apr-12 | 102 | 1032 |

| drop # | date | day | time (hhmm) | drop # | date | day | time (hhmm) |
|---|---|---|---|---|---|---|---|
| crx00721 | Apr-12 | 102 | 1050 | crx00722 | Apr-12 | 102 | 1106 |
| crx00723 | Apr-12 | 102 | 1121 | crx00724 | Apr-12 | 102 | 1138 |
| crx00725 | Apr-12 | 102 | 1155 | crx00726 | Apr-12 | 102 | 1210 |
| crx00727 | Apr-12 | 102 | 1225 | crx00728 | Apr-12 | 102 | 1241 |
| crx00729 | Apr-12 | 102 | 1257 | crx00730 | Apr-12 | 102 | 1312 |
| crx00731 | Apr-12 | 102 | 1328 | crx00732 | Apr-12 | 102 | 1343 |
| crx00733 | Apr-12 | 102 | 1400 | crx00734 | Apr-12 | 102 | 1420 |
| crx00735 | Apr-12 | 102 | 1440 | crx00736 | Apr-12 | 102 | 1500 |
| crx00737 | Apr-12 | 102 | 1520 | crx00738 | Apr-12 | 102 | 1540 |
| crx00739 | Apr-12 | 102 | 1600 | crx00740 | Apr-12 | 102 | 1640 |
| crx00741 | Apr-12 | 102 | 1700 | crx00742 | Apr-12 | 102 | 1720 |
| crx00743 | Apr-12 | 102 | 1740 | crx00744 | Apr-12 | 102 | 1800 |
| crx00745* | Apr-12 | 102 | 1815 | crx00746 | Apr-12 | 102 | 1832 |
| crx00747 | Apr-12 | 102 | 1902 | crx00748 | Apr-12 | 102 | 1920 |
| crx00749 | Apr-12 | 102 | 1940 | crx00750 | Apr-12 | 102 | 2000 |
| crx00751 | Apr-12 | 102 | 2020 | crx00752 | Apr-12 | 102 | 2040 |
| crx00753 | Apr-12 | 102 | 2100 | crx00754 | Apr-12 | 102 | 2120 |
| crx00755 | Apr-12 | 102 | 2140 | crx00756 | Apr-12 | 102 | 2200 |
| crx00757 | Apr-12 | 102 | 2230 | crx00758 | Apr-12 | 102 | 2300 |
| crx00759 | Apr-12 | 102 | 2330 | crx00760 | Apr-13 | 103 | 0000 |
| crx00761 | Apr-13 | 103 | 0012 | crx00762 | Apr-13 | 103 | 0028 |
| crx00763 | Apr-13 | 103 | 0045 | crx00764 | Apr-13 | 103 | 0057 |
| crx00765 | Apr-13 | 103 | 0112 | crx00766 | Apr-13 | 103 | 0126 |
| crx00767 | Apr-13 | 103 | 0140 | crx00768 | Apr-13 | 103 | 0157 |
| crx00769 | Apr-13 | 103 | 0240 | crx00770 | Apr-13 | 103 | 0257 |
| crx00771 | Apr-13 | 103 | 0314 | crx00772 | Apr-13 | 103 | 0330 |
| crx00773 | Apr-13 | 103 | 0345 | crx00774 | Apr-13 | 103 | 0358 |
| crx00775 | Apr-13 | 103 | 0413 | crx00776 | Apr-13 | 103 | 0428 |
| crx00777 | Apr-13 | 103 | 0443 | crx00778 | Apr-13 | 103 | 0457 |
| crx00779 | Apr-13 | 103 | 0511 | crx00780 | Apr-13 | 103 | 0526 |
| crx00781 | Apr-13 | 103 | 0541 | crx00782 | Apr-13 | 103 | 0555 |
| crx00783 | Apr-13 | 103 | 0610 | crx00784 | Apr-13 | 103 | 0626 |
| crx00785 | Apr-13 | 103 | 0641 | crx00786 | Apr-13 | 103 | 0708 |
| crx00787 | Apr-13 | 103 | 0723 | crx00788 | Apr-13 | 103 | 0740 |
| crx00789 | Apr-13 | 103 | 0756 | crx00790 | Apr-13 | 103 | 0812 |
| crx00791 | Apr-13 | 103 | 0828 | crx00792 | Apr-13 | 103 | 0844 |
| crx00793 | Apr-13 | 103 | 0859 | crx00794 | Apr-13 | 103 | 0940 |
| crx00795 | Apr-13 | 103 | 0955 | crx00796 | Apr-13 | 103 | 1010 |
| crx00797 | Apr-13 | 103 | 1025 | crx00798 | Apr-13 | 103 | 1040 |
| crx00799 | Apr-13 | 103 | 1056 | crx00800 | Apr-13 | 103 | 1111 |
| crx00801 | Apr-13 | 103 | 1126 | crx00802 | Apr-13 | 103 | 1141 |
| crx00803 | Apr-13 | 103 | 1157 | crx00804 | Apr-13 | 103 | 1212 |
| crx00805 | Apr-13 | 103 | 1227 | crx00806 | Apr-13 | 103 | 1242 |
| crx00807 | Apr-13 | 103 | 1257 | crx00808 | Apr-13 | 103 | 1312 |
| crx00809 | Apr-13 | 103 | 1328 | crx00810 | Apr-13 | 103 | 1343 |
| crx00811 | Apr-13 | 103 | 1358 | crx00812 | Apr-13 | 103 | 1420 |
| crx00813 | Apr-13 | 103 | 1440 | crx00814 | Apr-13 | 103 | 1500 |
| crx00815 | Apr-13 | 103 | 1515 | crx00816 | Apr-13 | 103 | 1530 |
| crx00817 | Apr-13 | 103 | 1545 | crx00818 | Apr-13 | 103 | 1600 |
| crx00819 | Apr-13 | 103 | 1641 | crx00820 | Apr-13 | 103 | 1658 |

| drop # | date | day | time (hhmm) | drop # | date | day | time (hhmm) |
|---|---|---|---|---|---|---|---|
| crx00821 | Apr-13 | 103 | 1715 | crx00822 | Apr-13 | 103 | 1730 |
| crx00823 | Apr-13 | 103 | 1745 | crx00824 | Apr-13 | 103 | 1800 |
| crx00825 | Apr-13 | 103 | 1815 | crx00826 | Apr-13 | 103 | 1830 |
| crx00827 | Apr-13 | 103 | 1843 | crx00828 | Apr-13 | 103 | 1913 |
| crx00829 | Apr-13 | 103 | 1928 | crx00830 | Apr-13 | 103 | 1944 |
| crx00831 | Apr-13 | 103 | 1958 | crx00832 | Apr-13 | 103 | 2014 |
| crx00833 | Apr-13 | 103 | 2034 | crx00834 | Apr-13 | 103 | 2049 |
| crx00835 | Apr-13 | 103 | 2104 | crx00836 | Apr-13 | 103 | 2119 |
| crx00837 | Apr-13 | 103 | 2134 | crx00838 | Apr-13 | 103 | 2149 |
| crx00839 | Apr-13 | 103 | 2204 | crx00840 | Apr-13 | 103 | 2220 |
| crx00841 | Apr-13 | 103 | 2240 | crx00842 | Apr-13 | 103 | 2300 |
| crx00843 | Apr-13 | 103 | 2320 | crx00844 | Apr-13 | 103 | 2340 |
| crx00845 | Apr-14 | 104 | 0030 | crx00846 | Apr-14 | 104 | 0100 |
| crx00847 | Apr-14 | 104 | 0120 | crx00848 | Apr-14 | 104 | 0140 |
| crx00849 | Apr-14 | 104 | 0200 | crx00850 | Apr-14 | 104 | 0220 |
| crx00851 | Apr-14 | 104 | 0240 | crx00852 | Apr-14 | 104 | 0300 |
| crx00853 | Apr-14 | 104 | 0330 | crx00854 | Apr-14 | 104 | 0400 |
| crx00855 | Apr-14 | 104 | 0430 | crx00856 | Apr-14 | 104 | 0510 |
| crx00857 | Apr-14 | 104 | 0524 | crx00858 | Apr-14 | 104 | 0538 |
| crx00859 | Apr-14 | 104 | 0552 | crx00860 | Apr-14 | 104 | 0608 |
| crx00861 | Apr-14 | 104 | 0622 | crx00862 | Apr-14 | 104 | 0638 |
| crx00863 | Apr-14 | 104 | 0704 | crx00864 | Apr-14 | 104 | 0719 |
| crx00865 | Apr-14 | 104 | 0734 | crx00866 | Apr-14 | 104 | 0750 |
| crx00867 | Apr-14 | 104 | 0804 | crx00868 | Apr-14 | 104 | 0819 |
| crx00869 | Apr-14 | 104 | 0835 | crx00870 | Apr-14 | 104 | 0850 |
| crx00871 | Apr-14 | 104 | 0930 | crx00872 | Apr-14 | 104 | 0945 |
| crx00873 | Apr-14 | 104 | 1000 | crx00874 | Apr-14 | 104 | 1014 |
| crx00875 | Apr-14 | 104 | 1029 | crx00876 | Apr-14 | 104 | 1045 |
| crx00877 | Apr-14 | 104 | 1100 | crx00878 | Apr-14 | 104 | 1116 |
| crx00879 | Apr-14 | 104 | 1131 | crx00880 | Apr-14 | 104 | 1145 |
| crx00881 | Apr-14 | 104 | 1200 | crx00882 | Apr-14 | 104 | 1215 |
| crx00883 | Apr-14 | 104 | 1230 | crx00884 | Apr-14 | 104 | 1244 |
| crx00885 | Apr-14 | 104 | 1331 | crx00886 | Apr-14 | 104 | 1346 |
| crx00887 | Apr-14 | 104 | 1401 | crx00888 | Apr-14 | 104 | 1416 |
| crx00889 | Apr-14 | 104 | 1431 | crx00890 | Apr-14 | 104 | 1445 |
| crx00891 | Apr-14 | 104 | 1500 | crx00892 | Apr-14 | 104 | 1516 |
| crx00893 | Apr-14 | 104 | 1530 | crx00894 | Apr-14 | 104 | 1545 |
| crx00895 | Apr-14 | 104 | 1600 | crx00896 | Apr-14 | 104 | 1615 |
| crx00897 | Apr-14 | 104 | 1656 | crx00898 | Apr-14 | 104 | 1711 |
| crx00899 | Apr-14 | 104 | 1726 | crx00900 | Apr-14 | 104 | 1741 |
| crx00901 | Apr-14 | 104 | 1759 | crx00902 | Apr-14 | 104 | 1818 |
| crx00903 | Apr-14 | 104 | 1840 | crx00904 | Apr-14 | 104 | 1905 |
| crx00905 | Apr-14 | 104 | 1920 | crx00906 | Apr-14 | 104 | 1935 |
| crx00907 | Apr-14 | 104 | 1950 | crx00908 | Apr-14 | 104 | 2005 |
| crx00909 | Apr-14 | 104 | 2020 | crx00910 | Apr-14 | 104 | 2036 |
| crx00911 | Apr-14 | 104 | 2053 | crx00912 | Apr-14 | 104 | 2130 |
| crx00913 | Apr-14 | 104 | 2145 | crx00914 | Apr-14 | 104 | 2201 |
| crx00915 | Apr-14 | 104 | 2215 | crx00916 | Apr-14 | 104 | 2230 |
| crx00917 | Apr-14 | 104 | 2300 | crx00918 | Apr-14 | 104 | 2330 |
| crx00919 | Apr-15 | 105 | 0000 | crx00920 | Apr-15 | 105 | 0030 |

| drop # | date | day | time (hhmm) | drop # | date | day | time (hhmm) |
|---|---|---|---|---|---|---|---|
| crx00921 | Apr-15 | 105 | 0100 | crx00922 | Apr-15 | 105 | 0146 |
| crx00923 | Apr-15 | 105 | 0200 | crx00924 | Apr-15 | 105 | 0230 |
| crx00925 | Apr-15 | 105 | 0300 | crx00926 | Apr-15 | 105 | 0330 |
| crx00927 | Apr-15 | 105 | 0345 | crx00928 | Apr-15 | 105 | 0400 |
| crx00929 | Apr-15 | 105 | 0413 | crx00930 | Apr-15 | 105 | 0432 |
| crx00931 | Apr-15 | 105 | 0448 | crx00932 | Apr-15 | 105 | 0505 |
| crx00933 | Apr-15 | 105 | 0519 | crx00934 | Apr-15 | 105 | 0540 |
| crx00935 | Apr-15 | 105 | 0600 | crx00936 | Apr-15 | 105 | 0620 |
| crx00937 | Apr-15 | 105 | 0640 | crx00938* | Apr-15 | 105 | 0706 |
| crx00939 | Apr-15 | 105 | 0719 | crx00940 | Apr-15 | 105 | 0740 |
| crx00941 | Apr-15 | 105 | 0800 | crx00942 | Apr-15 | 105 | 0820 |
| crx00943 | Apr-15 | 105 | 0840 | crx00944 | Apr-15 | 105 | 0900 |
| crx00945 | Apr-15 | 105 | 0920 | crx00946 | Apr-15 | 105 | 0940 |
| crx00947 | Apr-15 | 105 | 1000 | crx00948 | Apr-15 | 105 | 1042 |
| crx00949 | Apr-15 | 105 | 1100 | crx00950 | Apr-15 | 105 | 1120 |
| crx00951 | Apr-15 | 105 | 1140 | crx00952 | Apr-15 | 105 | 1200 |
| crx00953 | Apr-15 | 105 | 1220 | crx00954 | Apr-15 | 105 | 1240 |
| crx00955 | Apr-15 | 105 | 1300 | crx00956 | Apr-15 | 105 | 1318 |
| crx00957 | Apr-15 | 105 | 1403 | crx00958 | Apr-15 | 105 | 1420 |
| crx00959 | Apr-15 | 105 | 1448 | crx00960C | Apr-15 | 105 | 1500 |
| crx00961 | Apr-15 | 105 | 1520 | crx00962 | Apr-15 | 105 | 1540 |
| crx00963 | Apr-15 | 105 | 1600 | crx00964 | Apr-15 | 105 | 1620 |
| crx00965 | Apr-15 | 105 | 1640 | crx00966 | Apr-15 | 105 | 1700 |
| crx00967 | Apr-15 | 105 | 1714 | crx00968 | Apr-15 | 105 | 1726 |
| crx00969 | Apr-15 | 105 | 1737 | crx00970 | Apr-15 | 105 | 1800 |
| crx00971C | Apr-15 | 105 | 1820 | crx00972C | Apr-15 | 105 | 1840 |
| crx00973C | Apr-15 | 105 | 1916 | crx00974C | Apr-15 | 105 | 2149 |
| crx00975C | Apr-15 | 105 | 2200 | crx00976 | Apr-15 | 105 | 2230 |
| crx00977 | Apr-15 | 105 | 2300 | crx00978 | Apr-15 | 105 | 2330 |
| crx00979 | Apr-16 | 106 | 0004 | crx00980 | Apr-16 | 106 | 0035 |
| crx00981 | Apr-16 | 106 | 0050 | crx00982 | Apr-16 | 106 | 0106 |
| crx00983* | Apr-16 | 106 | 0123 | crx00984 | Apr-16 | 106 | 0124 |
| crx00985 | Apr-16 | 106 | 0140 | crx00986 | Apr-16 | 106 | 0153 |
| crx00987 | Apr-16 | 106 | 0230 | crx00988 | Apr-16 | 106 | 0300 |
| crx00989 | Apr-16 | 106 | 0330 | crx00990 | Apr-16 | 106 | 0344 |
| crx00991 | Apr-16 | 106 | 0400 | crx00992 | Apr-16 | 106 | 0430 |
| crx00993 | Apr-16 | 106 | 0500 | crx00994 | Apr-16 | 106 | 0530 |
| crx00995 | Apr-16 | 106 | 0600 | crx00996 | Apr-16 | 106 | 0620 |
| crx00997 | Apr-16 | 106 | 0640 | crx00998 | Apr-16 | 106 | 0705 |
| crx00999 | Apr-16 | 106 | 0720 | crx01000 | Apr-16 | 106 | 0740 |
| crx01001 | Apr-16 | 106 | 0822 | crx01002 | Apr-16 | 106 | 0840 |
| crx01003 | Apr-16 | 106 | 0900 | crx01004 | Apr-16 | 106 | 0920 |
| crx01005 | Apr-16 | 106 | 0940 | crx01006 | Apr-16 | 106 | 1000 |
| crx01007 | Apr-16 | 106 | 1020 | crx01008 | Apr-16 | 106 | 1034 |
| crx01009 | Apr-16 | 106 | 1049 | crx01010 | Apr-16 | 106 | 1105 |
| crx01011 | Apr-16 | 106 | 1121 | crx01012 | Apr-16 | 106 | 1140 |
| crx01013 | Apr-16 | 106 | 1200 | crx01014 | Apr-16 | 106 | 1220 |
| crx01015 | Apr-16 | 106 | 1234 | crx01016 | Apr-16 | 106 | 1249 |
| crx01017 | Apr-16 | 106 | 1303 | crx01018 | Apr-16 | 106 | 1319 |
| crx01019 | Apr-16 | 106 | 1334 | crx01020 | Apr-16 | 106 | 1348 |

| drop # | date | day | time (hhmm) | drop # | date | day | time (hhmm) |
|---|---|---|---|---|---|---|---|
| crx01021 | Apr-16 | 106 | 1404 | crx01022 | Apr-16 | 106 | 1420 |
| crx01023 | Apr-16 | 106 | 1435 | crx01024 | Apr-16 | 106 | 1449 |
| crx01025 | Apr-16 | 106 | 1504 | crx01026 | Apr-16 | 106 | 1545 |
| crx01027 | Apr-16 | 106 | 1559 | crx01028 | Apr-16 | 106 | 1613 |
| crx01029 | Apr-16 | 106 | 1626 | crx01030 | Apr-16 | 106 | 1640 |
| crx01031 | Apr-16 | 106 | 1654 | crx01032 | Apr-16 | 106 | 1707 |
| crx01033 | Apr-16 | 106 | 1722 | crx01034 | Apr-16 | 106 | 1738 |
| crx01035 | Apr-16 | 106 | 1800 | crx01036 | Apr-16 | 106 | 1821 |
| crx01037 | Apr-16 | 106 | 1840 | crx01038 | Apr-16 | 106 | 1904 |
| crx01039 | Apr-16 | 106 | 1920 | crx01040 | Apr-16 | 106 | 2000 |
| crx01041 | Apr-16 | 106 | 2020 | crx01042 | Apr-16 | 106 | 2040 |
| crx01043 | Apr-16 | 106 | 2100 | crx01044 | Apr-16 | 106 | 2120 |
| crx01045 | Apr-16 | 106 | 2140 | crx01046 | Apr-16 | 106 | 2202 |
| crx01047 | Apr-16 | 106 | 2220 | crx01048* | Apr-16 | 106 | 0000 |
| crx01049 | Apr-16 | 106 | 2311 | crx01050 | Apr-16 | 106 | 2331 |
| crx01051 | Apr-17 | 107 | 0000 | crx01052* | Apr-17 | 107 | 0045 |
| crx01053 | Apr-17 | 107 | 0048 | crx01054 | Apr-17 | 107 | 0103 |
| crx01055* | Apr-17 | 107 | 0130 | crx01056C | Apr-17 | 107 | 0200 |
| crx01057 | Apr-17 | 107 | 0230 | crx01058 | Apr-17 | 107 | 0300 |
| crx01059 | Apr-17 | 107 | 0330 | crx01060 | Apr-17 | 107 | 0400 |
| crx01061 | Apr-17 | 107 | 0430 | crx01062 | Apr-17 | 107 | 0500 |
| crx01063 | Apr-17 | 107 | 0530 | crx01064 | Apr-17 | 107 | 0600 |
| crx01065 | Apr-17 | 107 | 0620 | crx01066 | Apr-17 | 107 | 0640 |
| crx01067 | Apr-17 | 107 | 0703 | crx01068 | Apr-17 | 107 | 0720 |
| crx01069 | Apr-17 | 107 | 0734 | crx01070 | Apr-17 | 107 | 0749 |
| crx01071 | Apr-17 | 107 | 0804 | crx01072 | Apr-17 | 107 | 0819 |
| crx01073 | Apr-17 | 107 | 0837 | crx01074 | Apr-17 | 107 | 0854 |
| crx01075 | Apr-17 | 107 | 0909 | crx01076 | Apr-17 | 107 | 0924 |
| crx01077 | Apr-17 | 107 | 0939 | crx01078 | Apr-17 | 107 | 0954 |
| crx01079 | Apr-17 | 107 | 1035 | crx01080* | Apr-17 | 107 | 1053 |
| crx01081 | Apr-17 | 107 | 1115 | crx01082 | Apr-17 | 107 | 1129 |
| crx01083 | Apr-17 | 107 | 1144 | crx01084 | Apr-17 | 107 | 1159 |
| crx01085 | Apr-17 | 107 | 1214 | crx01086 | Apr-17 | 107 | 1229 |
| crx01087 | Apr-17 | 107 | 1244 | crx01088 | Apr-17 | 107 | 1259 |
| crx01089 | Apr-17 | 107 | 1313 | crx01090 | Apr-17 | 107 | 1329 |
| crx01091 | Apr-17 | 107 | 1344 | crx01092 | Apr-17 | 107 | 1400 |
| crx01093 | Apr-17 | 107 | 1420 | crx01094 | Apr-17 | 107 | 1440 |
| crx01095 | Apr-17 | 107 | 1500 | crx01096 | Apr-17 | 107 | 1520 |
| crx01097 | Apr-17 | 107 | 1540 | crx01098 | Apr-17 | 107 | 1600 |
| crx01099 | Apr-17 | 107 | 1620 | crx01100 | Apr-17 | 107 | 1641 |
| crx01101 | Apr-17 | 107 | 1700 | crx01102 | Apr-17 | 107 | 1720 |
| crx01103 | Apr-17 | 107 | 1740 | crx01104 | Apr-17 | 107 | 1755 |
| crx01105 | Apr-17 | 107 | 1812 | crx01106* | Apr-17 | 107 | 1839 |
| crx01107 | Apr-17 | 107 | 1908 | crx01108 | Apr-17 | 107 | 1924 |
| crx01109 | Apr-17 | 107 | 1940 | crx01110 | Apr-17 | 107 | 2000 |
| crx01111 | Apr-17 | 107 | 2020 | crx01112 | Apr-17 | 107 | 2039 |
| crx01113 | Apr-17 | 107 | 2100 | crx01114* | Apr-17 | 107 | 2120 |
| crx01115 | Apr-17 | 107 | 2124 | crx01116 | Apr-17 | 107 | 2140 |
| crx01117 | Apr-17 | 107 | 2200 | crx01118 | Apr-17 | 107 | 2230 |
| crx01119 | Apr-17 | 107 | 2300 | crx01120 | Apr-17 | 107 | 2330 |

| drop # | date | day | time (hhmm) | drop # | date | day | time (hhmm) |
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| crx01121 | Apr-18 | 108 | 0000 | crx01122 | Apr-18 | 108 | 0030 |
| crx01123 | Apr-18 | 108 | 0045 | crx01124 | Apr-18 | 108 | 0100 |
| crx01125 | Apr-18 | 108 | 0115 | crx01126 | Apr-18 | 108 | 0130 |
| crx01127 | Apr-18 | 108 | 0147 | crx01128 | Apr-18 | 108 | 0205 |
| crx01129 | Apr-18 | 108 | 0219 | crx01130 | Apr-18 | 108 | 0300 |
| crx01131 | Apr-18 | 108 | 0330 | crx01132 | Apr-18 | 108 | 0400 |
| crx01133* | Apr-18 | 108 | 0000 | crx01134 | Apr-18 | 108 | 0518 |
| crx01135 | Apr-18 | 108 | 0533 | crx01136 | Apr-18 | 108 | 0548 |
| crx01137 | Apr-18 | 108 | 0606 | crx01138* | Apr-18 | 108 | 0621 |
| crx01139 | Apr-18 | 108 | 0623 | crx01140 | Apr-18 | 108 | 0638 |
| crx01141 | Apr-18 | 108 | 0705 | crx01142 | Apr-18 | 108 | 0720 |
| crx01143* | Apr-18 | 108 | 0000 | crx01144 | Apr-18 | 108 | 0810 |
| crx01145* | Apr-18 | 108 | 0824 | crx01146 | Apr-18 | 108 | 0828 |
| crx01147 | Apr-18 | 108 | 0904 | crx01148 | Apr-18 | 108 | 0919 |
| crx01149 | Apr-18 | 108 | 0940 | crx01150 | Apr-18 | 108 | 0955 |
| crx01151 | Apr-18 | 108 | 1011 | crx01152 | Apr-18 | 108 | 1030 |
| crx01153 | Apr-18 | 108 | 1045 | crx01154 | Apr-18 | 108 | 1101 |
| crx01155 | Apr-18 | 108 | 1116 | crx01156 | Apr-18 | 108 | 1131 |
| crx01157 | Apr-18 | 108 | 1147 | crx01158 | Apr-18 | 108 | 1202 |
| crx01159 | Apr-18 | 108 | 1217 | crx01160 | Apr-18 | 108 | 1233 |
| crx01161 | Apr-18 | 108 | 1247 | crx01162 | Apr-18 | 108 | 1327 |
| crx01163 | Apr-18 | 108 | 1342 | crx01164 | Apr-18 | 108 | 1400 |
| crx01165 | Apr-18 | 108 | 1420 | crx01166 | Apr-18 | 108 | 1440 |
| crx01167 | Apr-18 | 108 | 1500 | crx01168 | Apr-18 | 108 | 1520 |
| crx01169 | Apr-18 | 108 | 1540 | crx01170 | Apr-18 | 108 | 1600 |
| crx01171 | Apr-18 | 108 | 1620 | crx01172 | Apr-18 | 108 | 1640 |
| crx01173 | Apr-18 | 108 | 1700 | crx01174 | Apr-18 | 108 | 1720 |
| crx01175 | Apr-18 | 108 | 1740 | crx01176 | Apr-18 | 108 | 1800 |
| crx01177 | Apr-18 | 108 | 1820 | crx01178C | Apr-18 | 108 | 1919 |
| crx01179 | Apr-18 | 108 | 1933 | crx01180 | Apr-18 | 108 | 2000 |
| crx01181 | Apr-18 | 108 | 2020 | crx01182* | Apr-18 | 108 | 2048 |
| crx01183 | Apr-18 | 108 | 2110 | crx01184 | Apr-18 | 108 | 2125 |
| crx01185 | Apr-18 | 108 | 2140 | crx01186 | Apr-18 | 108 | 2200 |
| crx01187 | Apr-18 | 108 | 2238 | crx01188 | Apr-18 | 108 | 2255 |
| crx01189 | Apr-18 | 108 | 2310 | crx01190 | Apr-18 | 108 | 2325 |
| crx01191 | Apr-18 | 108 | 2340 | crx01192 | Apr-18 | 108 | 2354 |
| crx01193 | Apr-19 | 109 | 0009 | crx01194 | Apr-19 | 109 | 0023 |
| crx01195 | Apr-19 | 109 | 0038 | crx01196 | Apr-19 | 109 | 0100 |
| crx01197 | Apr-19 | 109 | 0130 | crx01198 | Apr-19 | 109 | 0200 |
| crx01199 | Apr-19 | 109 | 0230 | crx01200 | Apr-19 | 109 | 0300 |
| crx01201 | Apr-19 | 109 | 0330 | crx01202 | Apr-19 | 109 | 0413 |
| crx01203 | Apr-19 | 109 | 0432 | crx01204 | Apr-19 | 109 | 0500 |
| crx01205 | Apr-19 | 109 | 0530 | crx01206 | Apr-19 | 109 | 0600 |
| crx01207 | Apr-19 | 109 | 0620 | crx01208 | Apr-19 | 109 | 0640 |
| crx01209 | Apr-19 | 109 | 0705 | crx01210 | Apr-19 | 109 | 0720 |
| crx01211 | Apr-19 | 109 | 0740 | crx01212 | Apr-19 | 109 | 0820 |
| crx01213 | Apr-19 | 109 | 0840 | crx01214 | Apr-19 | 109 | 0900 |
| crx01215 | Apr-19 | 109 | 0920 | crx01216 | Apr-19 | 109 | 0940 |
| crx01217 | Apr-19 | 109 | 1000 | crx01218 | Apr-19 | 109 | 1020 |
| crx01219 | Apr-19 | 109 | 1040 | crx01220 | Apr-19 | 109 | 1100 |

| drop # | date | day | time (hhmm) | drop # | date | day | time (hhmm) |
|---|---|---|---|---|---|---|---|
| crx01221 | Apr-19 | 109 | 1120 | crx01222 | Apr-19 | 109 | 1140 |
| crx01223 | Apr-19 | 109 | 1200 | crx01224 | Apr-19 | 109 | 1220 |
| crx01225 | Apr-19 | 109 | 1240 | crx01226 | Apr-19 | 109 | 1300 |
| crx01227 | Apr-19 | 109 | 1320 | crx01228 | Apr-19 | 109 | 1340 |
| crx01229 | Apr-19 | 109 | 1400 | crx01230 | Apr-19 | 109 | 1430 |
| crx01231 | Apr-19 | 109 | 1500 | crx01232 | Apr-19 | 109 | 1530 |
| crx01233 | Apr-19 | 109 | 1600 | crx01234 | Apr-19 | 109 | 1630 |
| crx01235 | Apr-19 | 109 | 1700 | crx01236* | Apr-19 | 109 | 1715 |
| crx01237 | Apr-19 | 109 | 1743 | crx01238 | Apr-19 | 109 | 1800 |
| crx01239 | Apr-19 | 109 | 1830 | crx01240 | Apr-19 | 109 | 1903 |
| crx01241 | Apr-19 | 109 | 1930 | crx01242 | Apr-19 | 109 | 2000 |
| crx01243 | Apr-19 | 109 | 2050 | crx01244 | Apr-19 | 109 | 2152 |
| crx01245 | Apr-19 | 109 | 2230 | crx01246 | Apr-19 | 109 | 2300 |
| crx01247 | Apr-19 | 109 | 2330 | crx01248 | Apr-20 | 110 | 0000 |
| crx01249 | Apr-20 | 110 | 0030 | crx01250 | Apr-20 | 110 | 0105 |
| crx01251 | Apr-20 | 110 | 0130 | crx01252 | Apr-20 | 110 | 0200 |
| crx01253 | Apr-20 | 110 | 0230 | crx01254 | Apr-20 | 110 | 0308 |
| crx01255 | Apr-20 | 110 | 0330 | crx01256 | Apr-20 | 110 | 0400 |
| crx01257 | Apr-20 | 110 | 0430 | crx01258 | Apr-20 | 110 | 0508 |
| crx01259 | Apr-20 | 110 | 0529 | crx01260 | Apr-20 | 110 | 0600 |
| crx01261 | Apr-20 | 110 | 0640 | crx01262 | Apr-20 | 110 | 0704 |
| crx01263 | Apr-20 | 110 | 0730 | crx01264 | Apr-20 | 110 | 0745 |
| crx01265 | Apr-20 | 110 | 0800 | crx01266* | Apr-20 | 110 | 0815 |
| crx01267 | Apr-20 | 110 | 0818 | crx01268 | Apr-20 | 110 | 0833 |
| crx01269 | Apr-20 | 110 | 0850 | crx01270 | Apr-20 | 110 | 0905 |
| crx01271 | Apr-20 | 110 | 0920 | crx01272 | Apr-20 | 110 | 0940 |
| crx01273 | Apr-20 | 110 | 1000 | crx01274 | Apr-20 | 110 | 1020 |
| crx01275 | Apr-20 | 110 | 1040 | crx01276 | Apr-20 | 110 | 1100 |
| crx01277 | Apr-20 | 110 | 1120 | crx01278 | Apr-20 | 110 | 1141 |
| crx01279 | Apr-20 | 110 | 1200 | crx01280 | Apr-20 | 110 | 1220 |
| crx01281 | Apr-20 | 110 | 1240 | crx01282 | Apr-20 | 110 | 1300 |
| crx01283 | Apr-20 | 110 | 1320 | crx01284 | Apr-20 | 110 | 1340 |
| crx01285 | Apr-20 | 110 | 1400 | crx01286 | Apr-20 | 110 | 1420 |
| crx01287 | Apr-20 | 110 | 1500 | crx01288 | Apr-20 | 110 | 1530 |
| crx01289 | Apr-20 | 110 | 1600 | crx01290 | Apr-20 | 110 | 1630 |
| crx01291 | Apr-20 | 110 | 1700 | crx01292 | Apr-20 | 110 | 1730 |
| crx01293 | Apr-20 | 110 | 1800 | crx01294 | Apr-20 | 110 | 1830 |
| crx01295 | Apr-20 | 110 | 1903 | crx01296 | Apr-20 | 110 | 1930 |
| crx01297 | Apr-20 | 110 | 2000 | crx01298 | Apr-20 | 110 | 2030 |
| crx01299 | Apr-20 | 110 | 2100 | crx01300 | Apr-20 | 110 | 2130 |
| crx01301 | Apr-20 | 110 | 2200 | crx01302 | Apr-20 | 110 | 2230 |
| crx01303 | Apr-20 | 110 | 2300 | crx01304 | Apr-20 | 110 | 2330 |
| crx01305 | Apr-21 | 111 | 0001 | crx01306 | Apr-21 | 111 | 0030 |
| crx01307 | Apr-21 | 111 | 0100 | crx01308 | Apr-21 | 111 | 0130 |
| crx01309 | Apr-21 | 111 | 0200 | crx01310* | Apr-21 | 111 | 0000 |
| crx01311* | Apr-21 | 111 | 0000 | crx01312* | Apr-21 | 111 | 0000 |
| crx01313* | Apr-21 | 111 | 0000 | crx01314 | Apr-21 | 111 | 0230 |
| crx01315* | Apr-21 | 111 | 0000 | crx01316 | Apr-21 | 111 | 0318 |
| crx01317 | Apr-21 | 111 | 0332 | crx01318 | Apr-21 | 111 | 0400 |
| crx01319 | Apr-21 | 111 | 0430 | crx01320 | Apr-21 | 111 | 0500 |

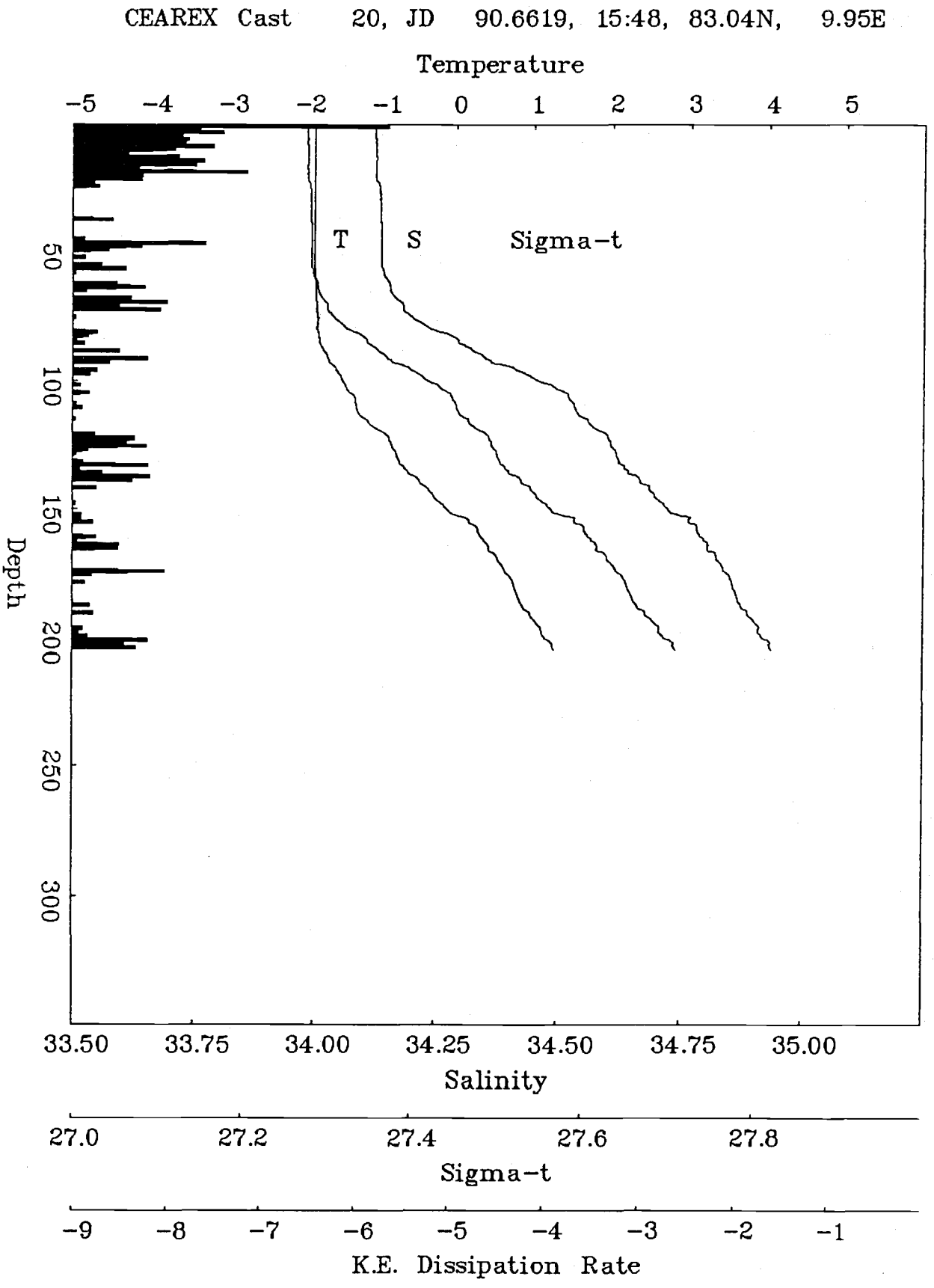
| drop # | date | day | time (hhmm) | drop # | date | day | time (hhmm) |
|---|---|---|---|---|---|---|---|
| crx01321 | Apr-21 | 111 | 0559 | crx01322 | Apr-21 | 111 | 0620 |
| crx01323 | Apr-21 | 111 | 0640 | crx01324 | Apr-21 | 111 | 0706 |
| crx01325 | Apr-21 | 111 | 0721 | crx01326 | Apr-21 | 111 | 0740 |
| crx01327 | Apr-21 | 111 | 0800 | crx01328 | Apr-21 | 111 | 0820 |
| crx01329 | Apr-21 | 111 | 0840 | crx01330 | Apr-21 | 111 | 0900 |
| crx01331 | Apr-21 | 111 | 0920 | crx01332 | Apr-21 | 111 | 0940 |
| crx01333 | Apr-21 | 111 | 1000 | crx01334 | Apr-21 | 111 | 1020 |
| crx01335 | Apr-21 | 111 | 1040 | crx01336 | Apr-21 | 111 | 1100 |
| crx01337 | Apr-21 | 111 | 1120 | crx01338 | Apr-21 | 111 | 1140 |
| crx01339 | Apr-21 | 111 | 1200 | crx01340 | Apr-21 | 111 | 1220 |
| crx01341 | Apr-21 | 111 | 1240 | crx01342 | Apr-21 | 111 | 1330 |
| crx01343 | Apr-21 | 111 | 1345 | crx01344 | Apr-21 | 111 | 1400 |
| crx01345 | Apr-21 | 111 | 1430 | crx01346 | Apr-21 | 111 | 1450 |
| crx01347 | Apr-21 | 111 | 1510 | crx01348 | Apr-21 | 111 | 1530 |
| crx01349 | Apr-21 | 111 | 1550 | crx01350 | Apr-21 | 111 | 1610 |
| crx01351 | Apr-21 | 111 | 1630 | crx01352 | Apr-21 | 111 | 1650 |
| crx01353 | Apr-21 | 111 | 1710 | crx01354 | Apr-21 | 111 | 1730 |
| crx01355 | Apr-21 | 111 | 1800 | crx01356 | Apr-21 | 111 | 1830 |
| crx01357 | Apr-21 | 111 | 1909 | crx01358 | Apr-21 | 111 | 1930 |
| crx01359 | Apr-21 | 111 | 2000 | crx01360 | Apr-21 | 111 | 2030 |
| crx01361 | Apr-21 | 111 | 2100 | crx01362 | Apr-21 | 111 | 2130 |
| crx01363 | Apr-21 | 111 | 2200 | crx01364 | Apr-21 | 111 | 2230 |
| crx01365 | Apr-21 | 111 | 2300 | crx01366 | Apr-21 | 111 | 2315 |
| crx01367* | Apr-21 | 111 | 2330 | crx01368 | Apr-21 | 111 | 2358 |
| crx01369 | Apr-22 | 112 | 0016 | crx01370 | Apr-22 | 112 | 0031 |
| crx01371 | Apr-22 | 112 | 0046 | crx01372 | Apr-22 | 112 | 0101 |
| crx01373 | Apr-22 | 112 | 0116 | crx01374 | Apr-22 | 112 | 0130 |
| crx01375* | Apr-22 | 112 | 0146 | crx01376 | Apr-22 | 112 | 0231 |
| crx01377* | Apr-22 | 112 | 0245 | crx01378* | Apr-22 | 112 | 0343 |
| crx01379* | Apr-22 | 112 | 0000 | crx01380 | Apr-22 | 112 | 0400 |
| crx01381 | Apr-22 | 112 | 0415 | crx01382 | Apr-22 | 112 | 0430 |
| crx01383 | Apr-22 | 112 | 0443 | crx01384 | Apr-22 | 112 | 0500 |
| crx01385 | Apr-22 | 112 | 0514 | crx01386 | Apr-22 | 112 | 0529 |
| crx01387 | Apr-22 | 112 | 0542 | crx01388 | Apr-22 | 112 | 0557 |
| crx01389 | Apr-22 | 112 | 0612 | crx01390 | Apr-22 | 112 | 0626 |
| crx01391 | Apr-22 | 112 | 0642 | crx01392 | Apr-22 | 112 | 0702 |
| crx01393 | Apr-22 | 112 | 0717 | crx01394 | Apr-22 | 112 | 0732 |
| crx01395 | Apr-22 | 112 | 0812 | crx01396 | Apr-22 | 112 | 0827 |
| crx01397 | Apr-22 | 112 | 0843 | crx01398 | Apr-22 | 112 | 0857 |
| crx01399 | Apr-22 | 112 | 0911 | crx01400 | Apr-22 | 112 | 0928 |
| crx01401 | Apr-22 | 112 | 0944 | crx01402 | Apr-22 | 112 | 1000 |
| crx01403 | Apr-22 | 112 | 1020 | crx01404 | Apr-22 | 112 | 1040 |
| crx01405 | Apr-22 | 112 | 1100 | crx01406 | Apr-22 | 112 | 1120 |
| crx01407 | Apr-22 | 112 | 1140 | crx01408 | Apr-22 | 112 | 1200 |
| crx01409 | Apr-22 | 112 | 1220 | crx01410 | Apr-22 | 112 | 1240 |
| crx01411 | Apr-22 | 112 | 1300 | crx01412 | Apr-22 | 112 | 1320 |
| crx01413 | Apr-22 | 112 | 1340 | crx01414 | Apr-22 | 112 | 1400 |
| crx01415 | Apr-22 | 112 | 1430 | crx01416 | Apr-22 | 112 | 1500 |
| crx01417 | Apr-22 | 112 | 1530 | crx01418 | Apr-22 | 112 | 1545 |
| crx01419 | Apr-22 | 112 | 1600 | crx01420 | Apr-22 | 112 | 1640 |

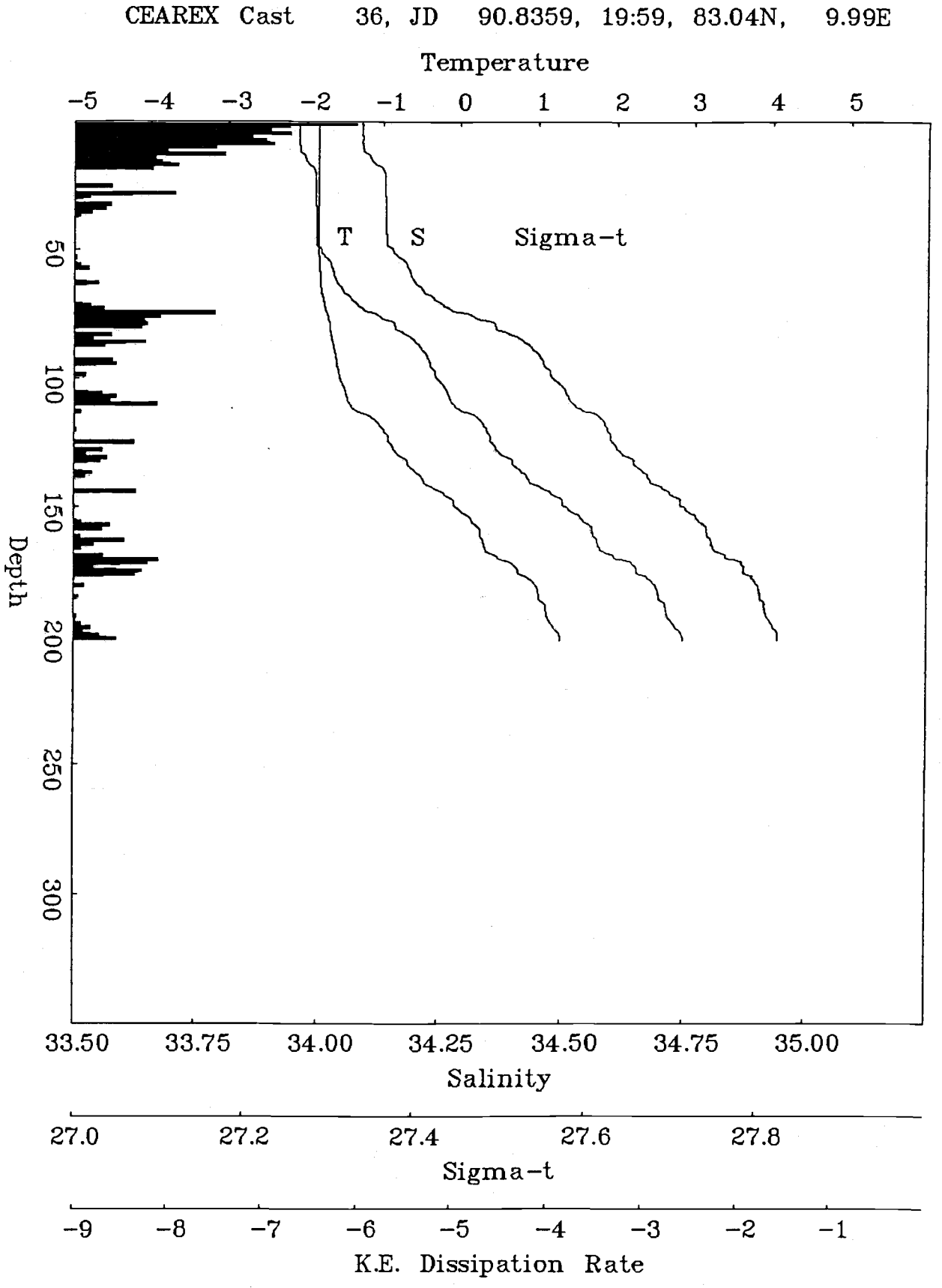
| drop # | date | day | time (hhmm) | drop # | date | day | time (hhmm) |
|---|---|---|---|---|---|---|---|
| crx01421 | Apr-22 | 112 | 1700 | crx01422 | Apr-22 | 112 | 1730 |
| crx01423 | Apr-22 | 112 | 1800 | crx01424 | Apr-22 | 112 | 1830 |
| crx01425 | Apr-22 | 112 | 1903 | crx01426 | Apr-22 | 112 | 1918 |
| crx01427 | Apr-22 | 112 | 1935 | crx01428 | Apr-22 | 112 | 2000 |
| crx01429 | Apr-22 | 112 | 2030 | crx01430 | Apr-22 | 112 | 2100 |
| crx01431 | Apr-22 | 112 | 2130 | crx01432 | Apr-22 | 112 | 2149 |
| crx01433 | Apr-22 | 112 | 2203 | crx01434* | Apr-22 | 112 | 2217 |
| crx01435 | Apr-22 | 112 | 2227 | crx01436* | Apr-22 | 112 | 2237 |
| crx01437 | Apr-22 | 112 | 2253 | crx01438 | Apr-22 | 112 | 2308 |
| crx01439 | Apr-22 | 112 | 2323 | crx01440 | Apr-22 | 112 | 2339 |
| crx01441 | Apr-22 | 112 | 2355 | crx01442 | Apr-23 | 113 | 0010 |
| crx01443 | Apr-23 | 113 | 0025 | crx01444 | Apr-23 | 113 | 0040 |
| crx01445* | Apr-23 | 113 | 0000 | crx01446 | Apr-23 | 113 | 0125 |
| crx01447 | Apr-23 | 113 | 0140 | crx01448 | Apr-23 | 113 | 0154 |
| crx01449 | Apr-23 | 113 | 0208 | crx01450 | Apr-23 | 113 | 0223 |
| crx01451* | Apr-23 | 113 | 0238 | crx01452 | Apr-23 | 113 | 0240 |
| crx01453 | Apr-23 | 113 | 0254 | crx01454 | Apr-23 | 113 | 0309 |
| crx01455 | Apr-23 | 113 | 0324 | crx01456 | Apr-23 | 113 | 0342 |
| crx01457 | Apr-23 | 113 | 0400 | crx01458 | Apr-23 | 113 | 0415 |
| crx01459 | Apr-23 | 113 | 0430 | crx01460 | Apr-23 | 113 | 0445 |
| crx01461 | Apr-23 | 113 | 0459 | crx01462 | Apr-23 | 113 | 0514 |
| crx01463 | Apr-23 | 113 | 0528 | crx01464 | Apr-23 | 113 | 0543 |
| crx01465 | Apr-23 | 113 | 0601 | crx01466 | Apr-23 | 113 | 0617 |
| crx01467 | Apr-23 | 113 | 0632 | crx01468 | Apr-23 | 113 | 0647 |
| crx01469 | Apr-23 | 113 | 0709 | crx01470 | Apr-23 | 113 | 0724 |
| crx01471 | Apr-23 | 113 | 0739 | crx01472 | Apr-23 | 113 | 0821 |
| crx01473 | Apr-23 | 113 | 0837 | crx01474 | Apr-23 | 113 | 0852 |
| crx01475 | Apr-23 | 113 | 0907 | crx01476 | Apr-23 | 113 | 0922 |
| crx01477 | Apr-23 | 113 | 0937 | crx01478 | Apr-23 | 113 | 0952 |
| crx01479 | Apr-23 | 113 | 1007 | crx01480 | Apr-23 | 113 | 1023 |
| crx01481 | Apr-23 | 113 | 1038 | crx01482 | Apr-23 | 113 | 1052 |
| crx01483 | Apr-23 | 113 | 1107 | crx01484 | Apr-23 | 113 | 1137 |
| crx01485 | Apr-23 | 113 | 1152 | crx01486 | Apr-23 | 113 | 1207 |
| crx01487 | Apr-23 | 113 | 1222 | crx01488 | Apr-23 | 113 | 1237 |
| crx01489 | Apr-23 | 113 | 1251 | crx01490 | Apr-23 | 113 | 1303 |
| crx01491 | Apr-23 | 113 | 1317 | crx01492 | Apr-23 | 113 | 1333 |
| crx01493 | Apr-23 | 113 | 1347 | crx01494 | Apr-23 | 113 | 1402 |
| crx01495 | Apr-23 | 113 | 1420 | crx01496 | Apr-23 | 113 | 1436 |
| crx01497 | Apr-23 | 113 | 1511 | crx01498 | Apr-23 | 113 | 1531 |
| crx01499 | Apr-23 | 113 | 1546 | crx01500 | Apr-23 | 113 | 1602 |
| crx01501 | Apr-23 | 113 | 1617 | crx01502 | Apr-23 | 113 | 1631 |
| crx01503 | Apr-23 | 113 | 1646 | crx01504 | Apr-23 | 113 | 1701 |
| crx01505 | Apr-23 | 113 | 1715 | crx01506 | Apr-23 | 113 | 1740 |
| crx01507 | Apr-23 | 113 | 1800 | crx01508 | Apr-23 | 113 | 1820 |
| crx01509 | Apr-23 | 113 | 1840 | crx01510 | Apr-23 | 113 | 1903 |
| crx01511 | Apr-23 | 113 | 1920 | crx01512 | Apr-23 | 113 | 1934 |
| crx01513* | Apr-23 | 113 | 0000 | crx01514* | Apr-23 | 113 | 0000 |
| crx01515* | Apr-23 | 113 | 0000 | crx01516* | Apr-23 | 113 | 0000 |
| crx01517* | Apr-23 | 113 | 0000 | crx01518 | Apr-23 | 113 | 2130 |
| crx01519 | Apr-23 | 113 | 2145 | crx01520 | Apr-23 | 113 | 2200 |

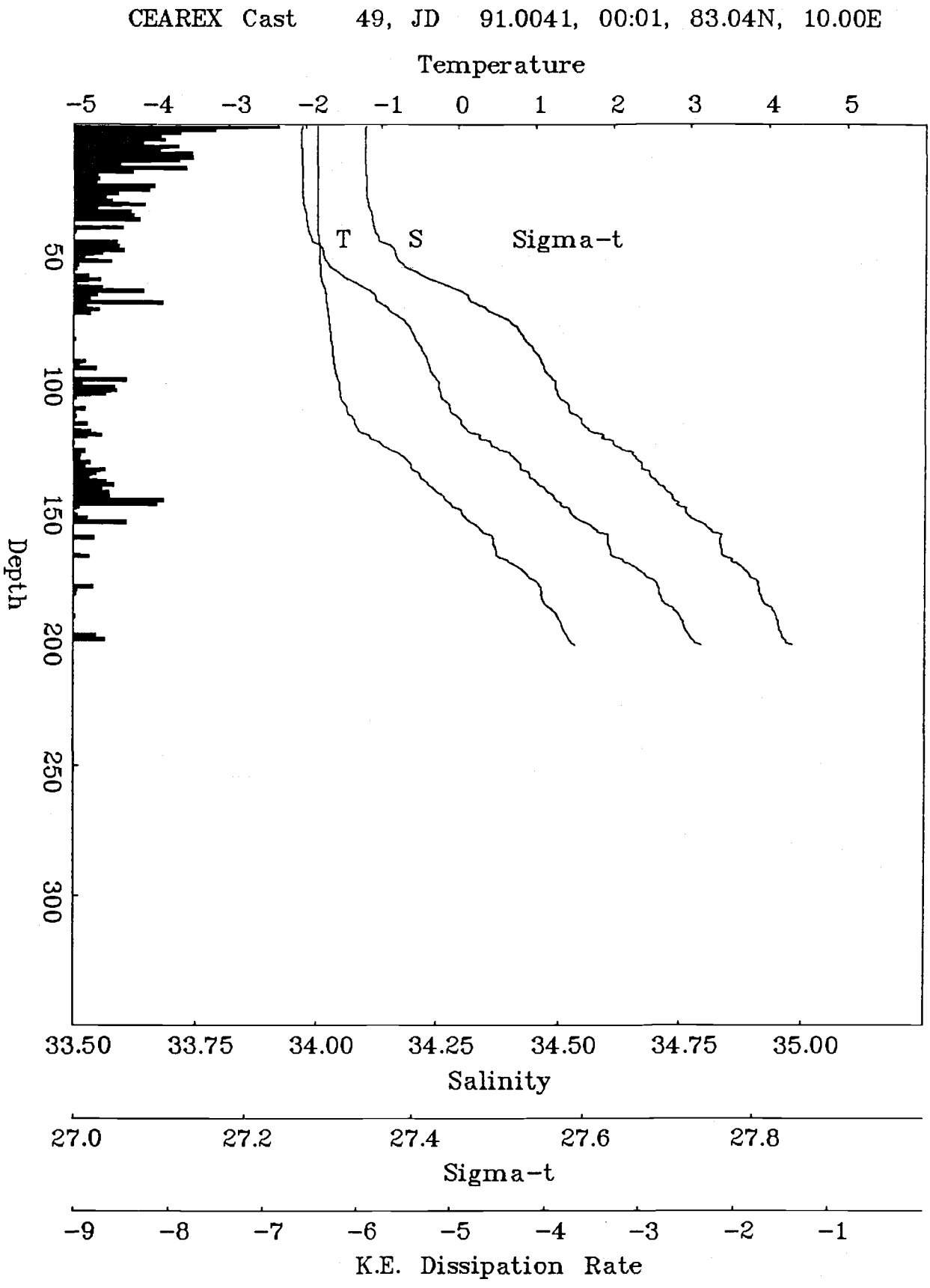
| drop # | date | day | time (hhmm) | drop # | date | day | time (hhmm) |
|---|---|---|---|---|---|---|---|
| crx01521 | Apr-23 | 113 | 2216 | crx01522 | Apr-23 | 113 | 2308 |
| crx01523 | Apr-23 | 113 | 2322 | crx01524 | Apr-23 | 113 | 2339 |
| crx01525 | Apr-23 | 113 | 2353 | crx01526 | Apr-24 | 114 | 0008 |
| crx01527 | Apr-24 | 114 | 0022 | crx01528 | Apr-24 | 114 | 0038 |
| crx01529 | Apr-24 | 114 | 0053 | crx01530 | Apr-24 | 114 | 0126 |
| crx01531 | Apr-24 | 114 | 0200 | crx01532 | Apr-24 | 114 | 0230 |
| crx01533 | Apr-24 | 114 | 0300 | crx01534 | Apr-24 | 114 | 0330 |
| crx01535 | Apr-24 | 114 | 0400 | crx01536 | Apr-24 | 114 | 0430 |
| crx01537* | Apr-24 | 114 | 0445 | crx01538 | Apr-24 | 114 | 0501 |
| crx01539 | Apr-24 | 114 | 0530 | crx01540 | Apr-24 | 114 | 0600 |
| crx01541 | Apr-24 | 114 | 0620 | crx01542 | Apr-24 | 114 | 0640 |
| crx01543 | Apr-24 | 114 | 0704 | crx01544 | Apr-24 | 114 | 0720 |
| crx01545 | Apr-24 | 114 | 0740 | crx01546 | Apr-24 | 114 | 0800 |

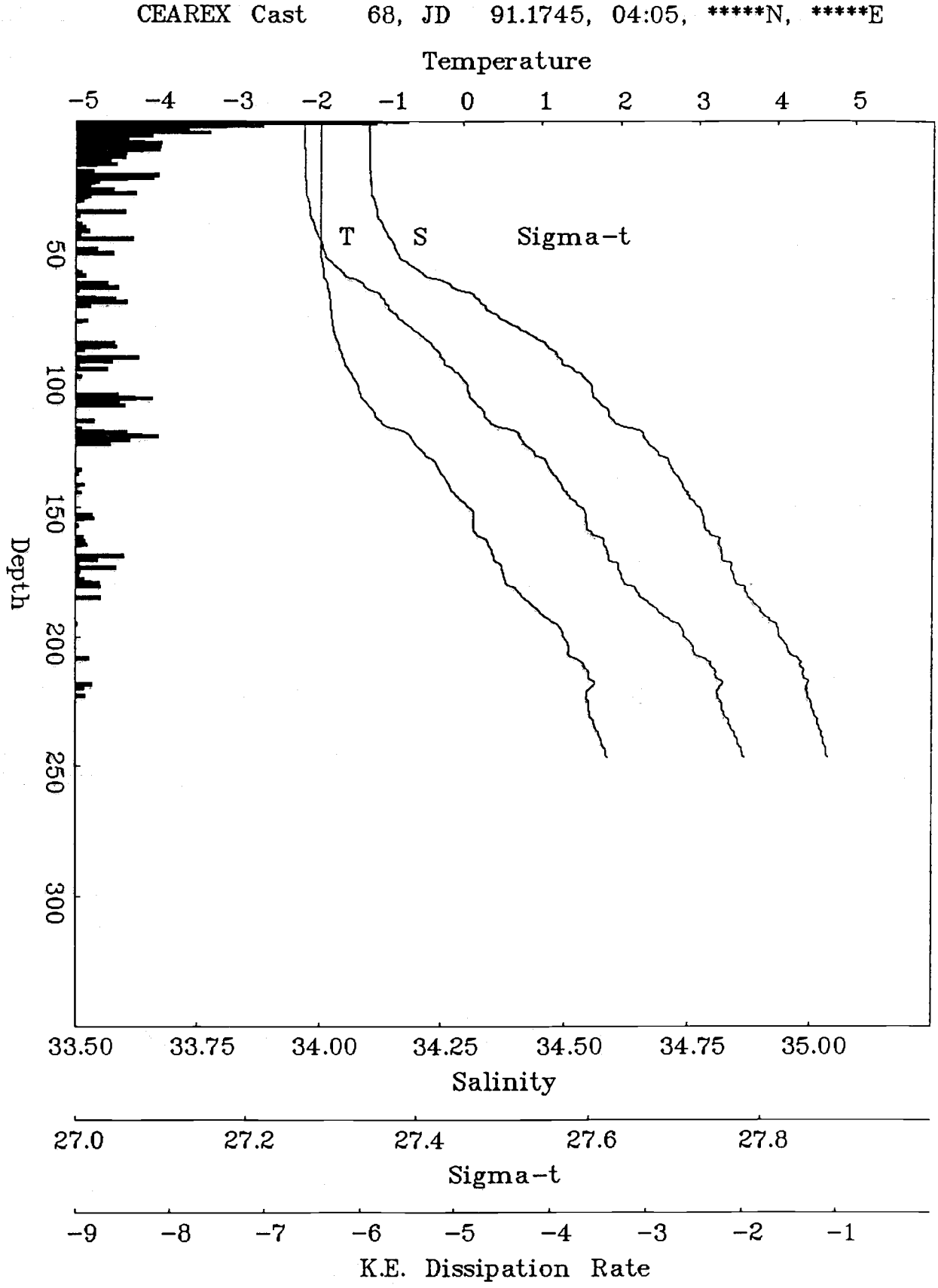
# Section 3:

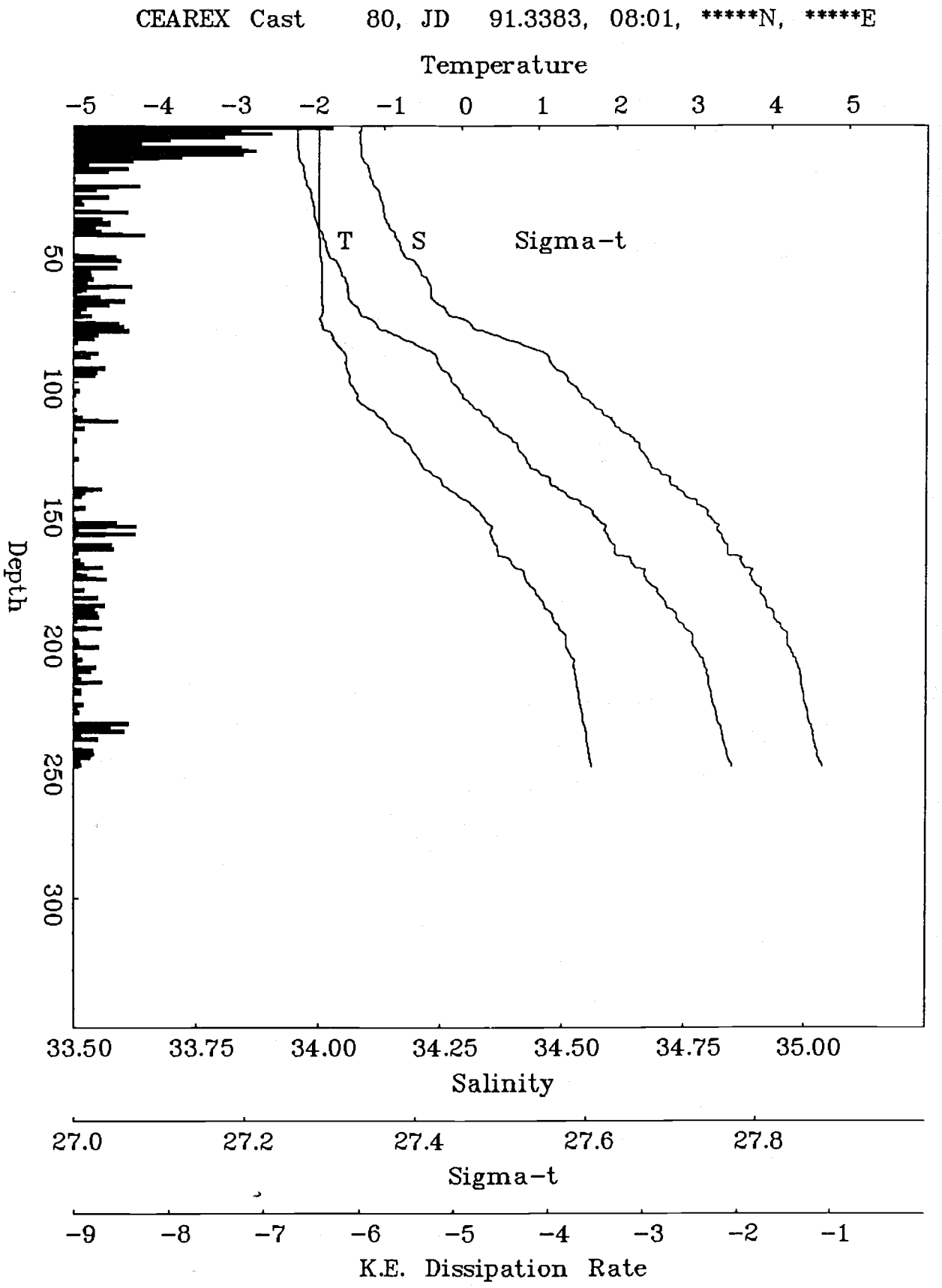
# Example Profiles of Temperature, Salinity, Density, and Dissipation Rate

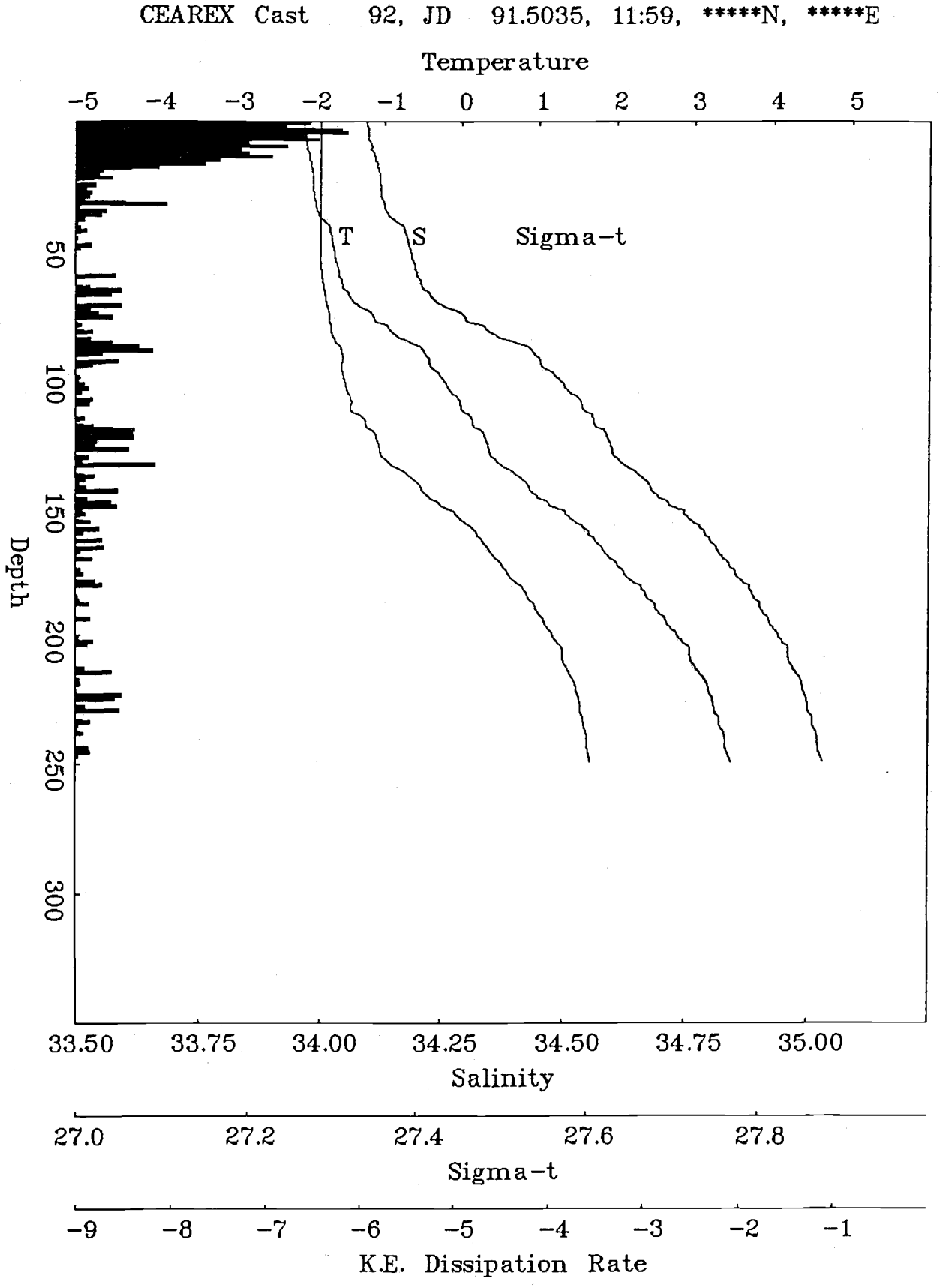

CEAREX Cast 20, JD 90.6619, 15:48, 83.04N, 9.95E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

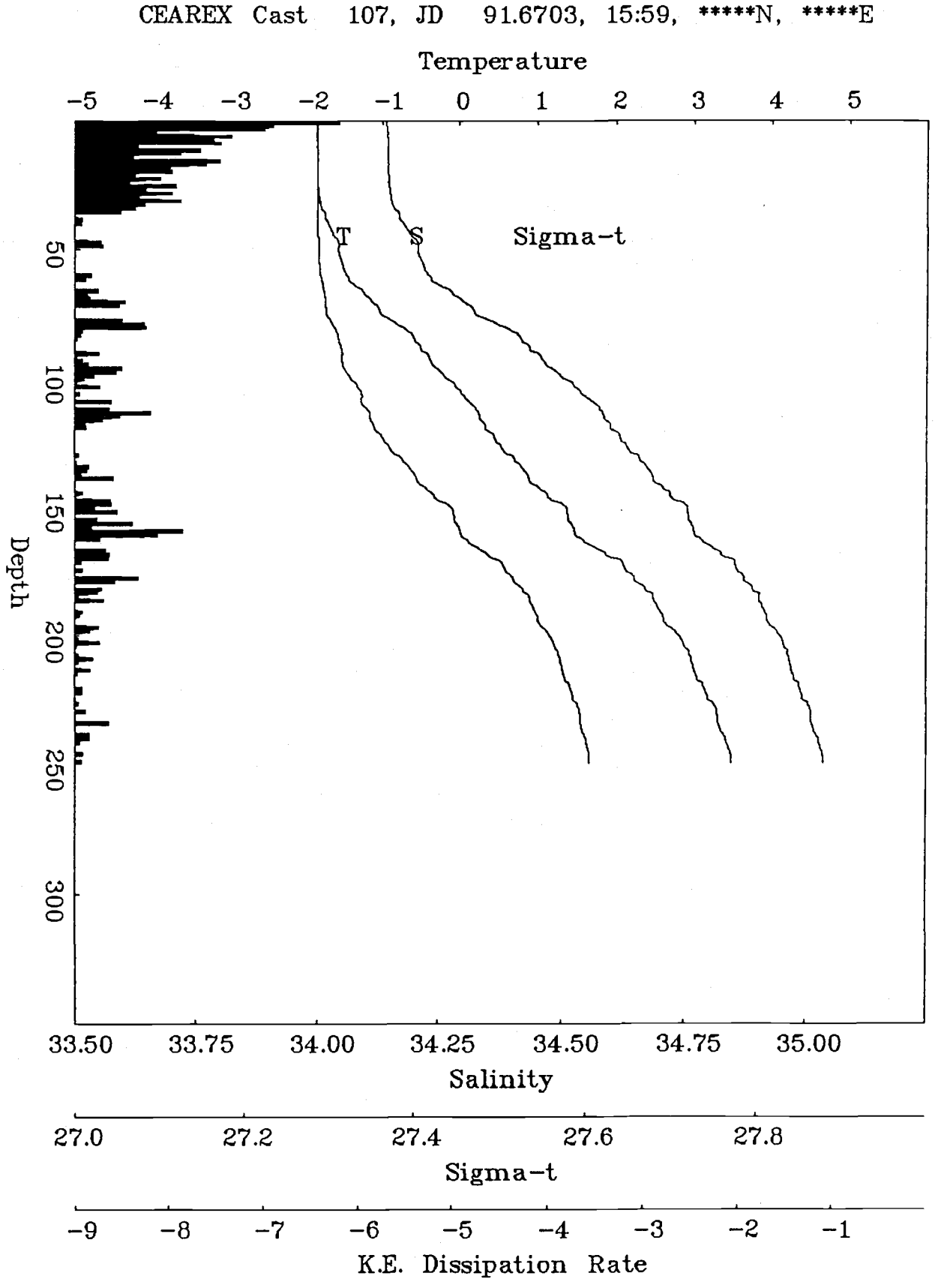

CEAREX Cast 36, JD 90.8359, 19:59, 83.04N, 9.99E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

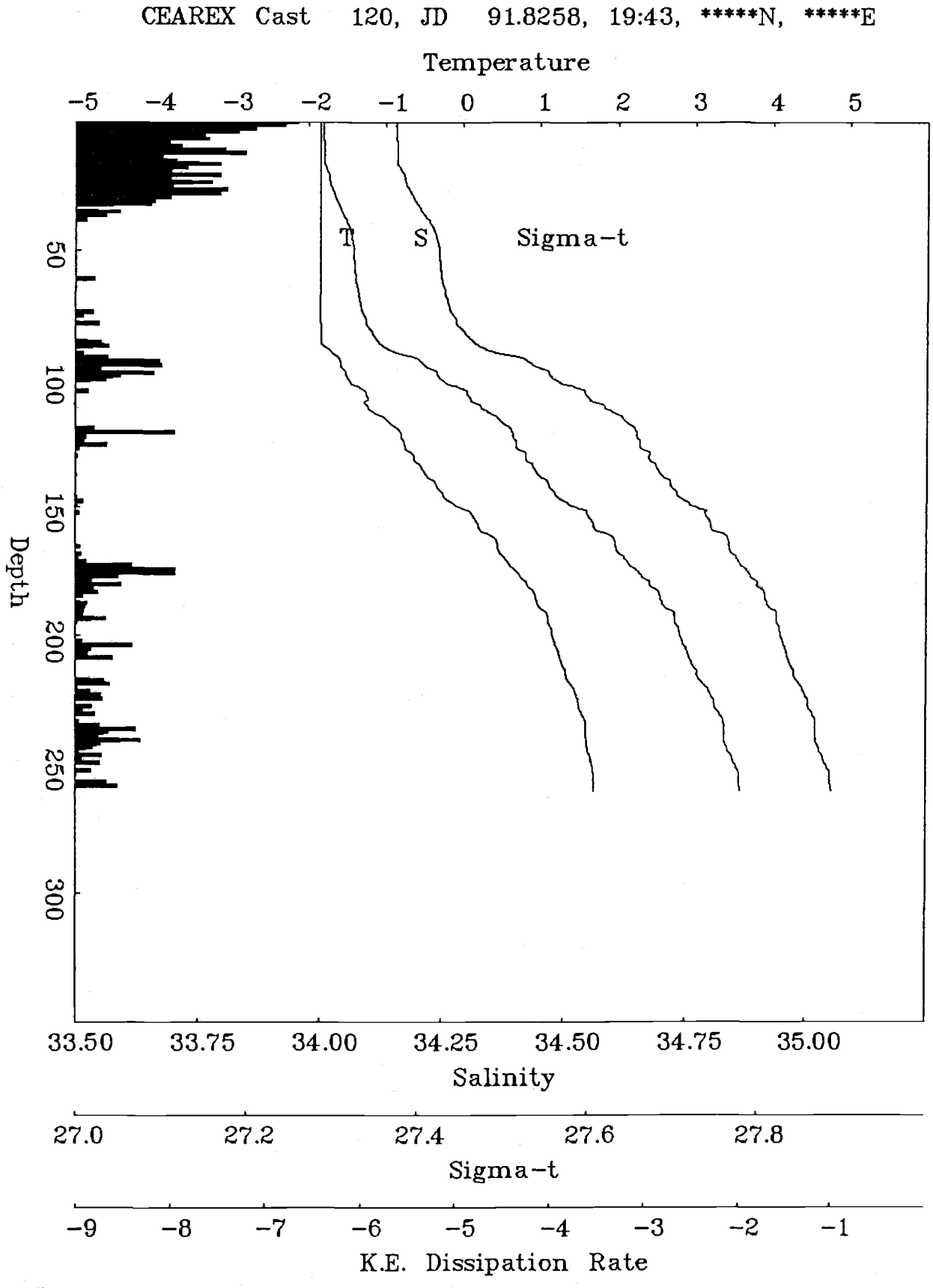

CEAREX Cast 49, JD 91.0041, 00:01, 83.04N, 10.00E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

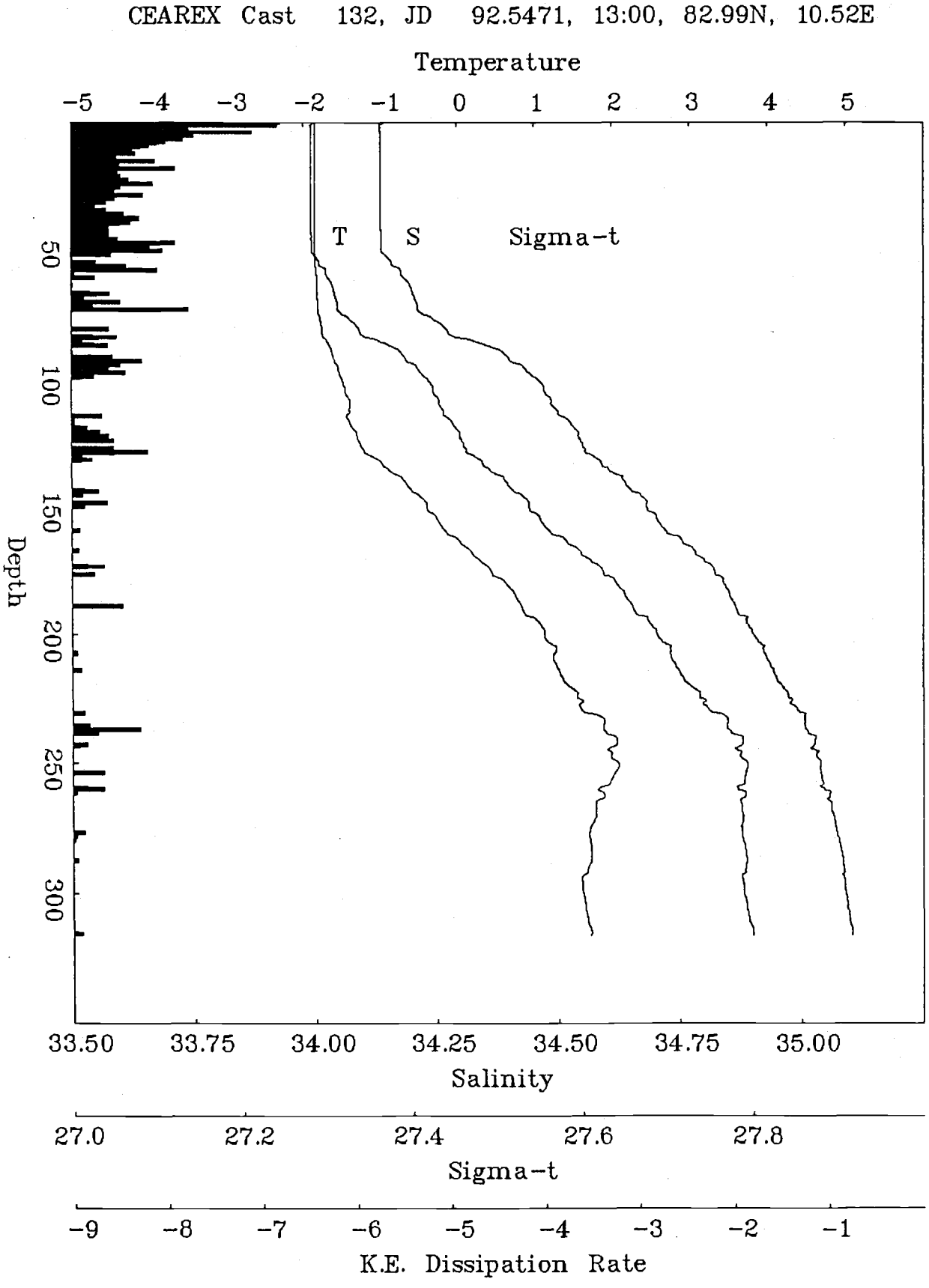

CEAREX Cast 68, JD 91.1745, 04:05, *****N, *****E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

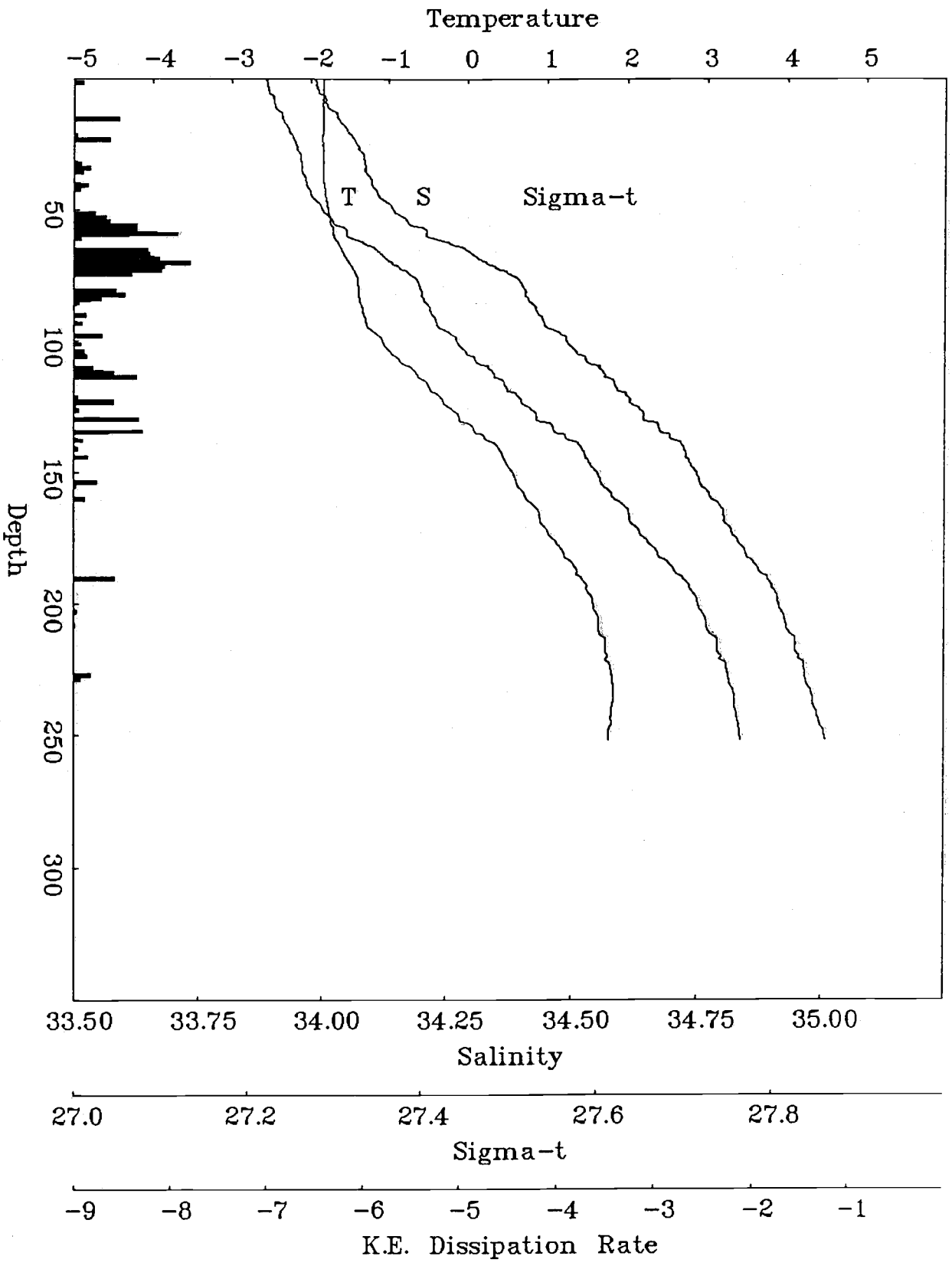

CEAREX Cast 80, JD 91.3383, 08:01, *****N, *****E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

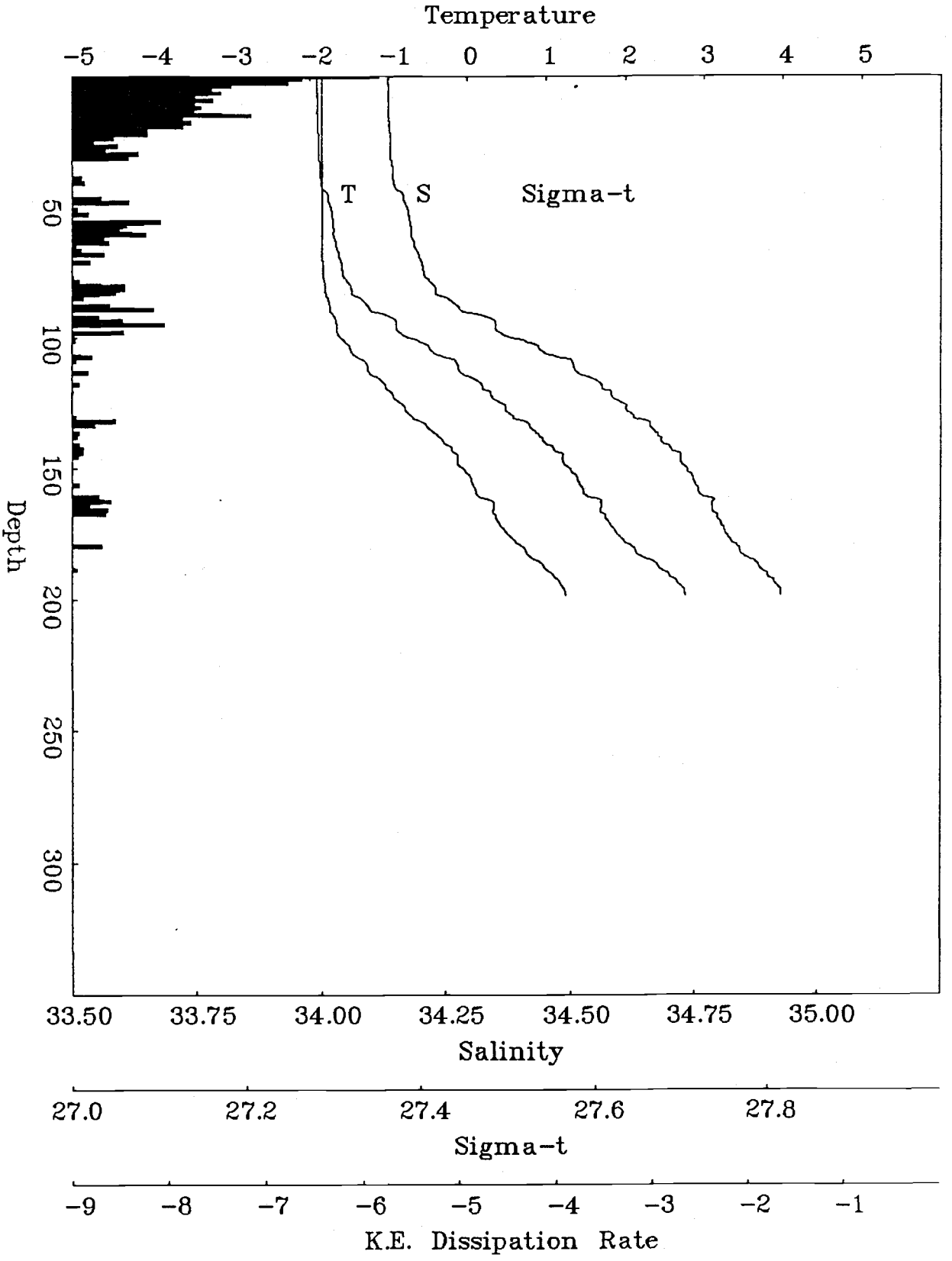

CEAREX Cast 92, JD 91.5035, 11:59, *****N, *****E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

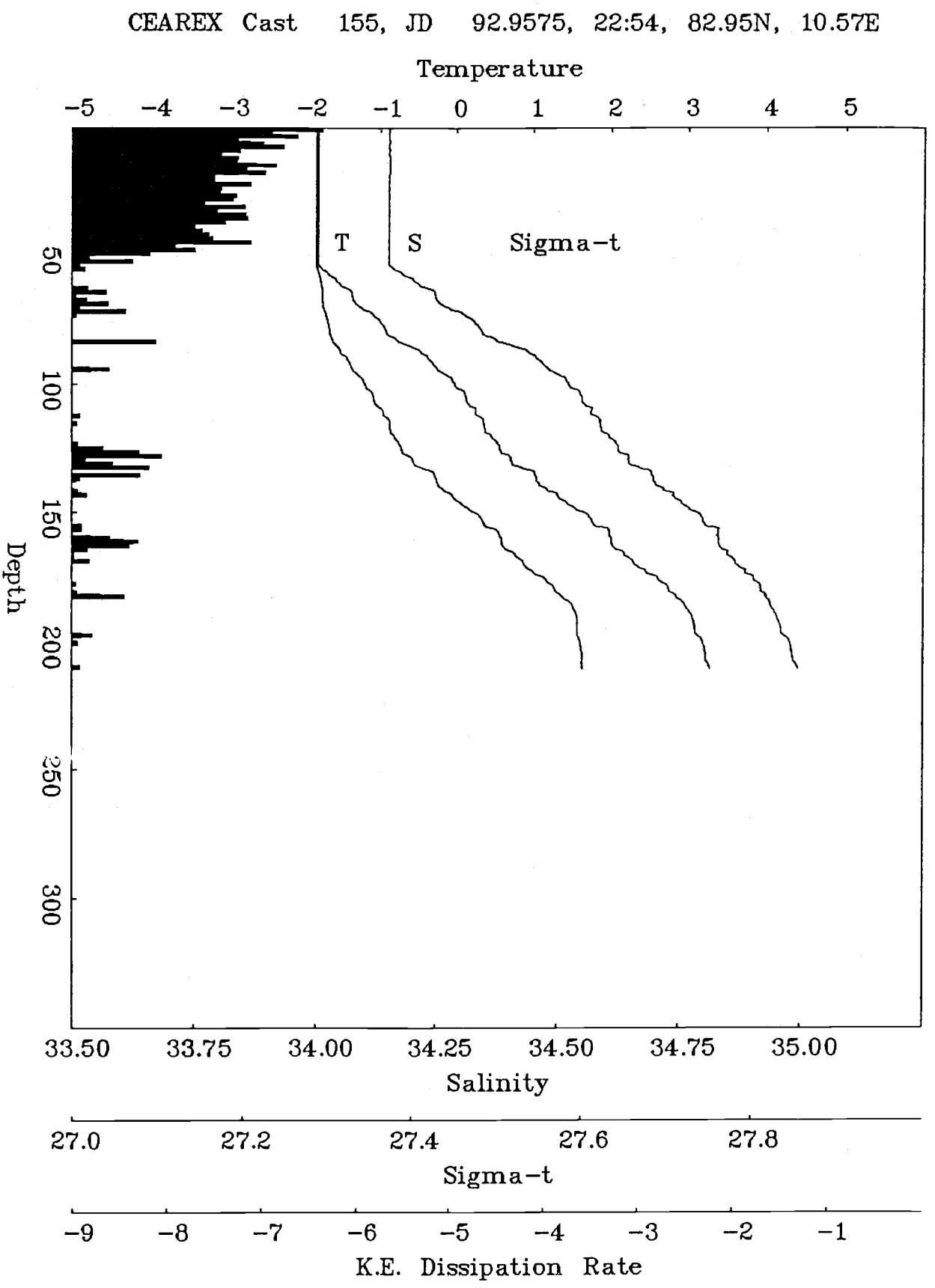

CEAREX Cast 107, JD 91.6703, 15:59, *****N, *****E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

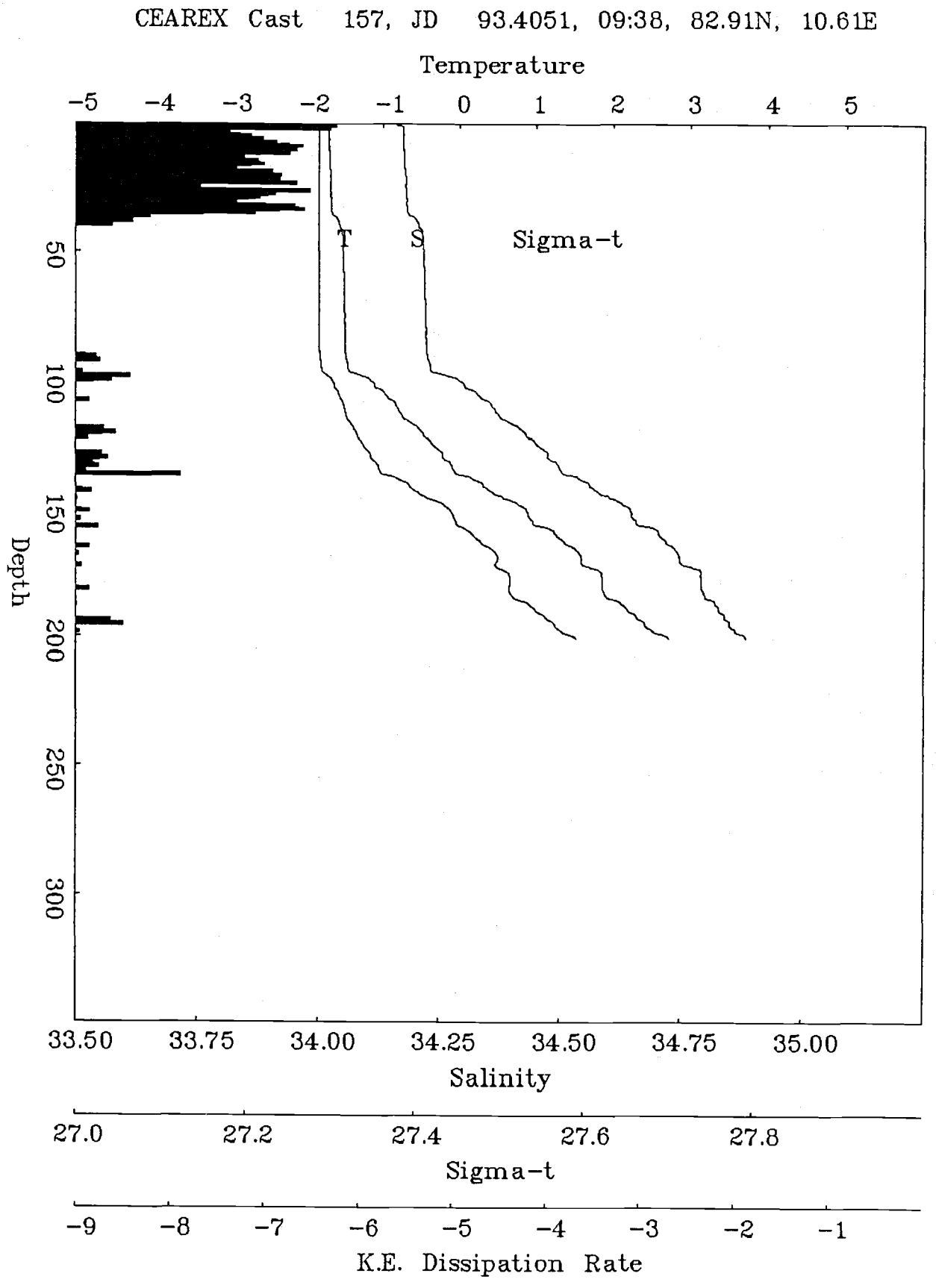

CEAREX Cast 120, JD 91.8258, 19:43, *****N, *****E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

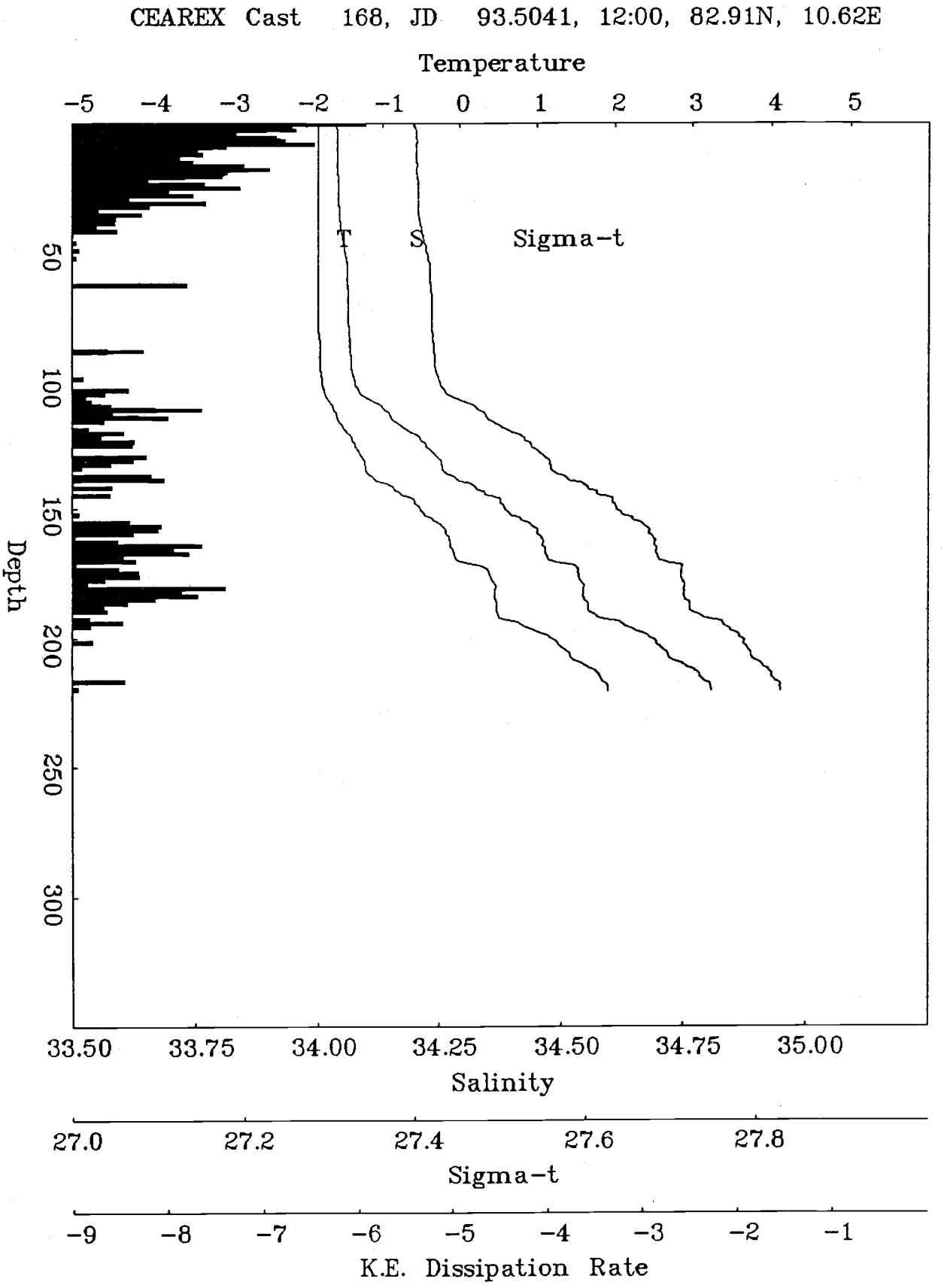

CEAREX Cast 132, JD 92.5471, 13:00, 82.99N, 10.52E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

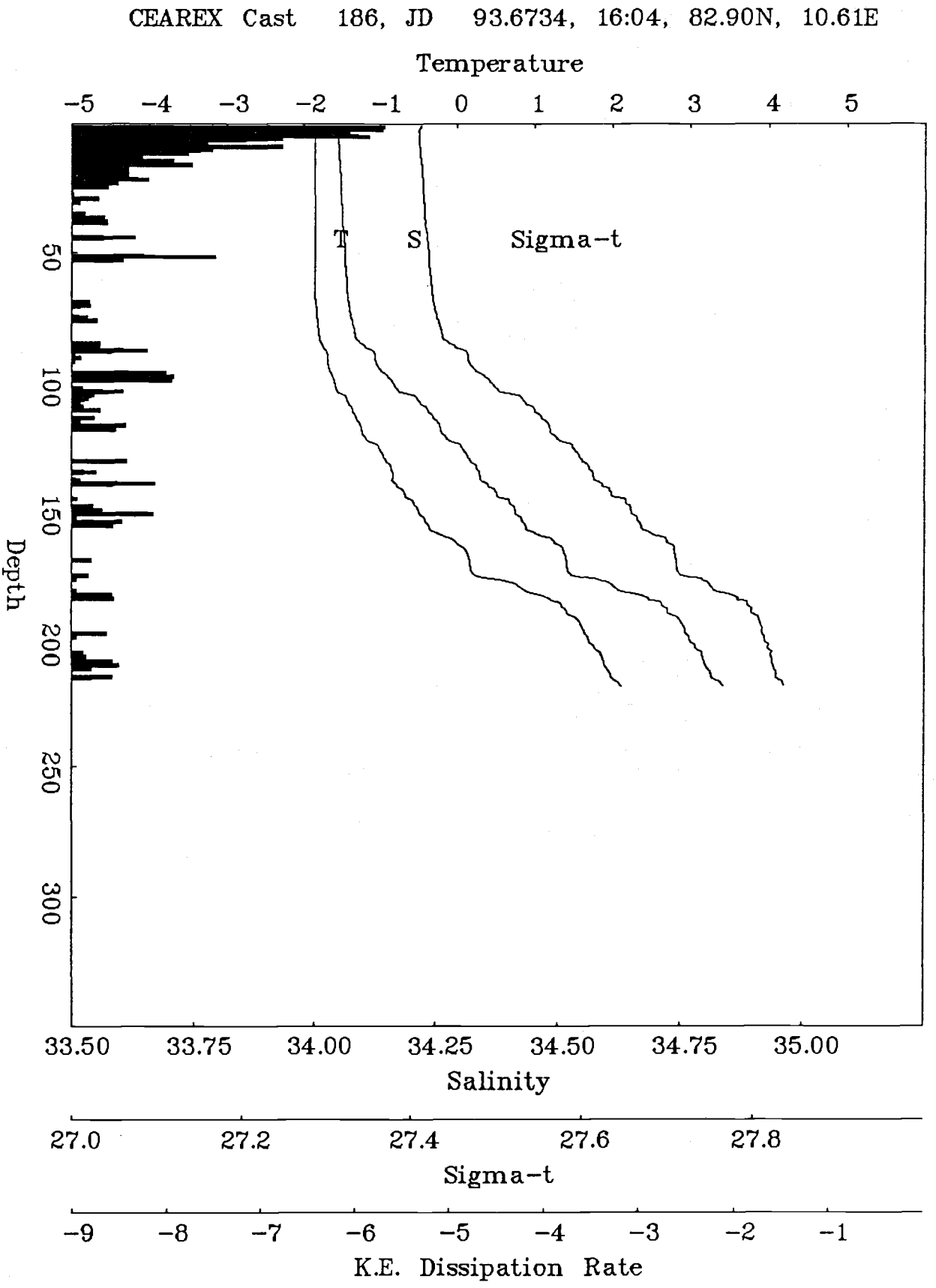

CEAREX Cast 134, JD 92.7264, 17:20, *****N, *****E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

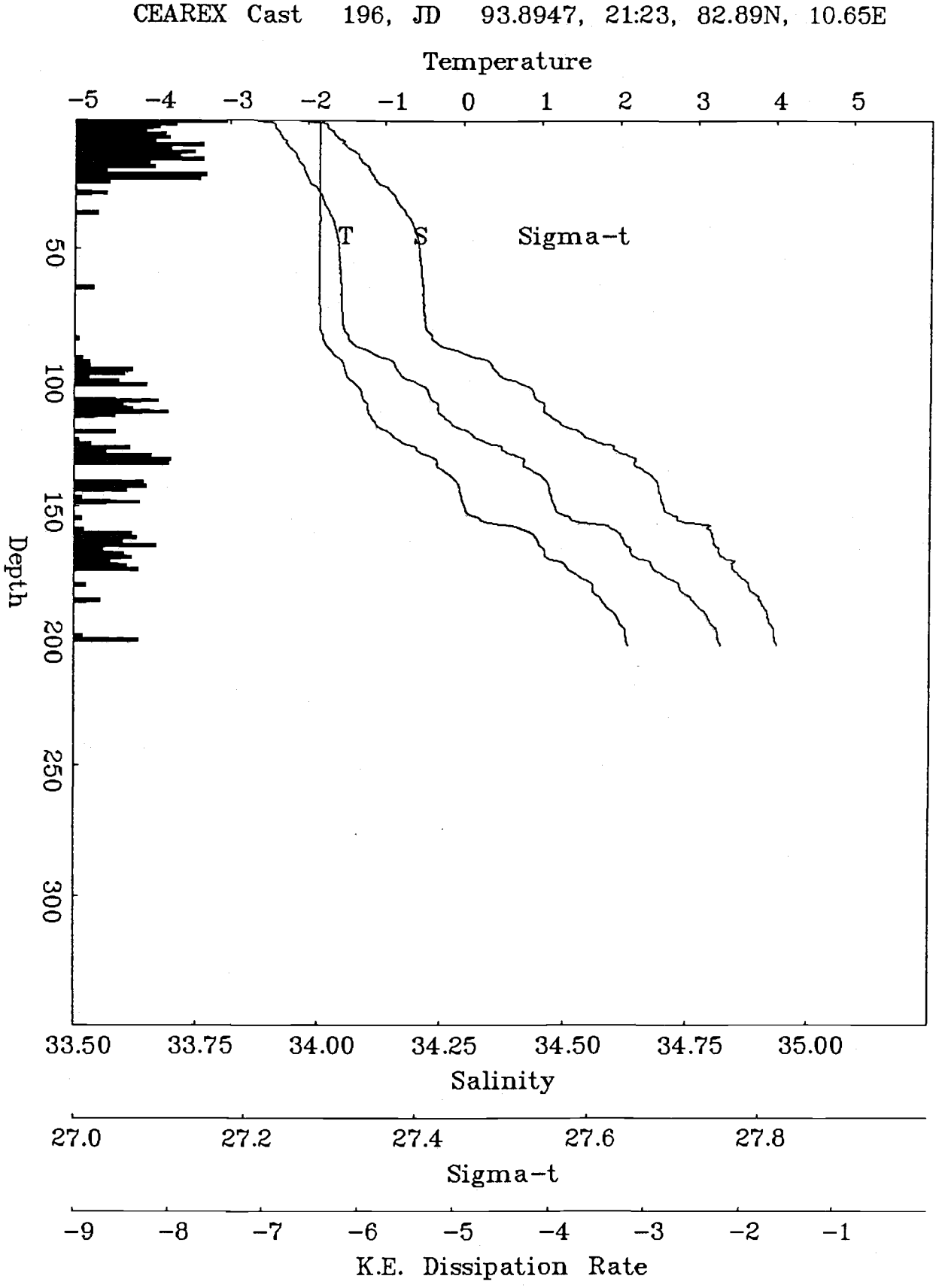

CEAREX Cast 139, JD 92.8387, 20:03, *****N, -7.82E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

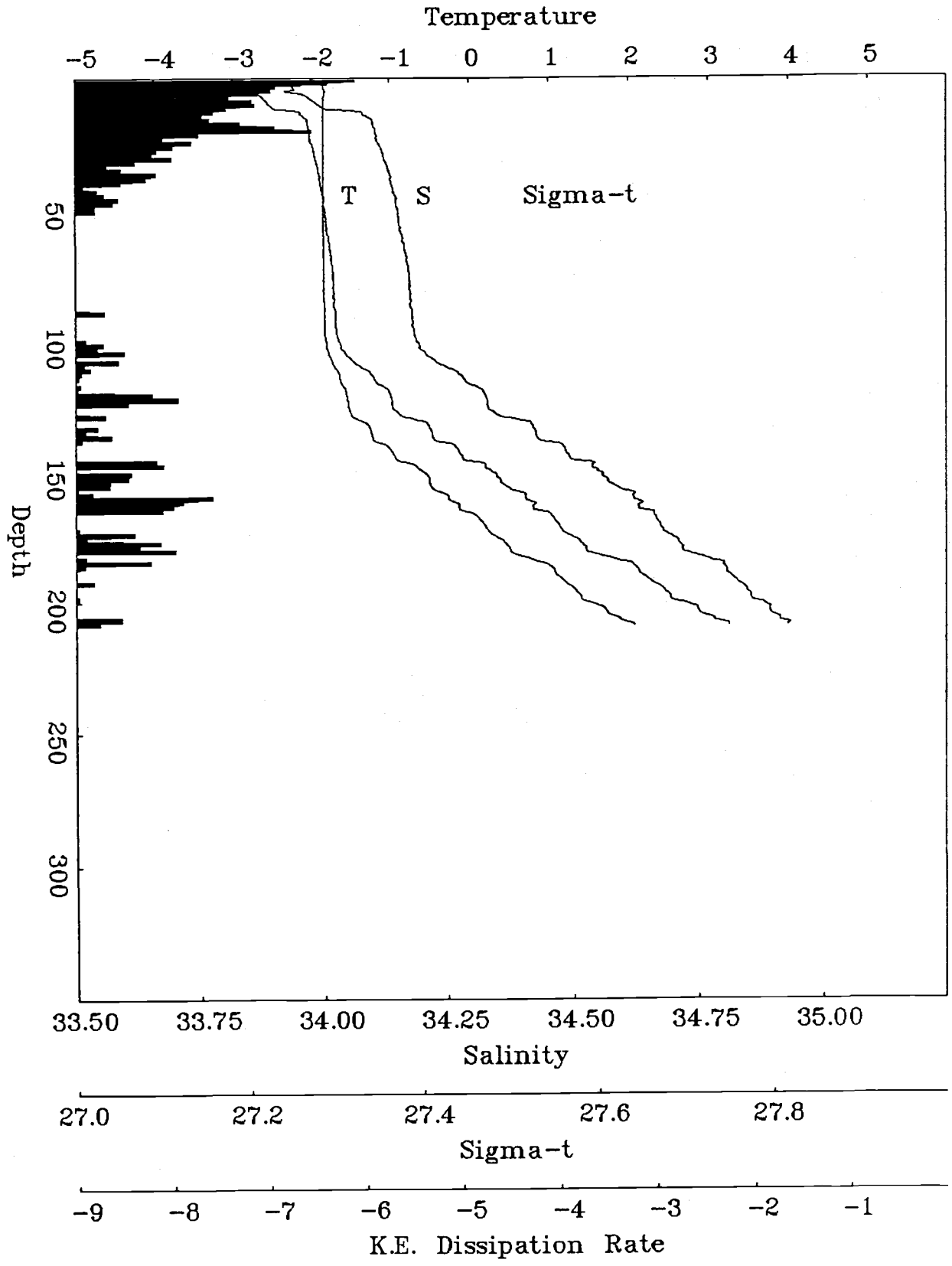

CEAREX Cast 155, JD 92.9575, 22:54, 82.95N, 10.57E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

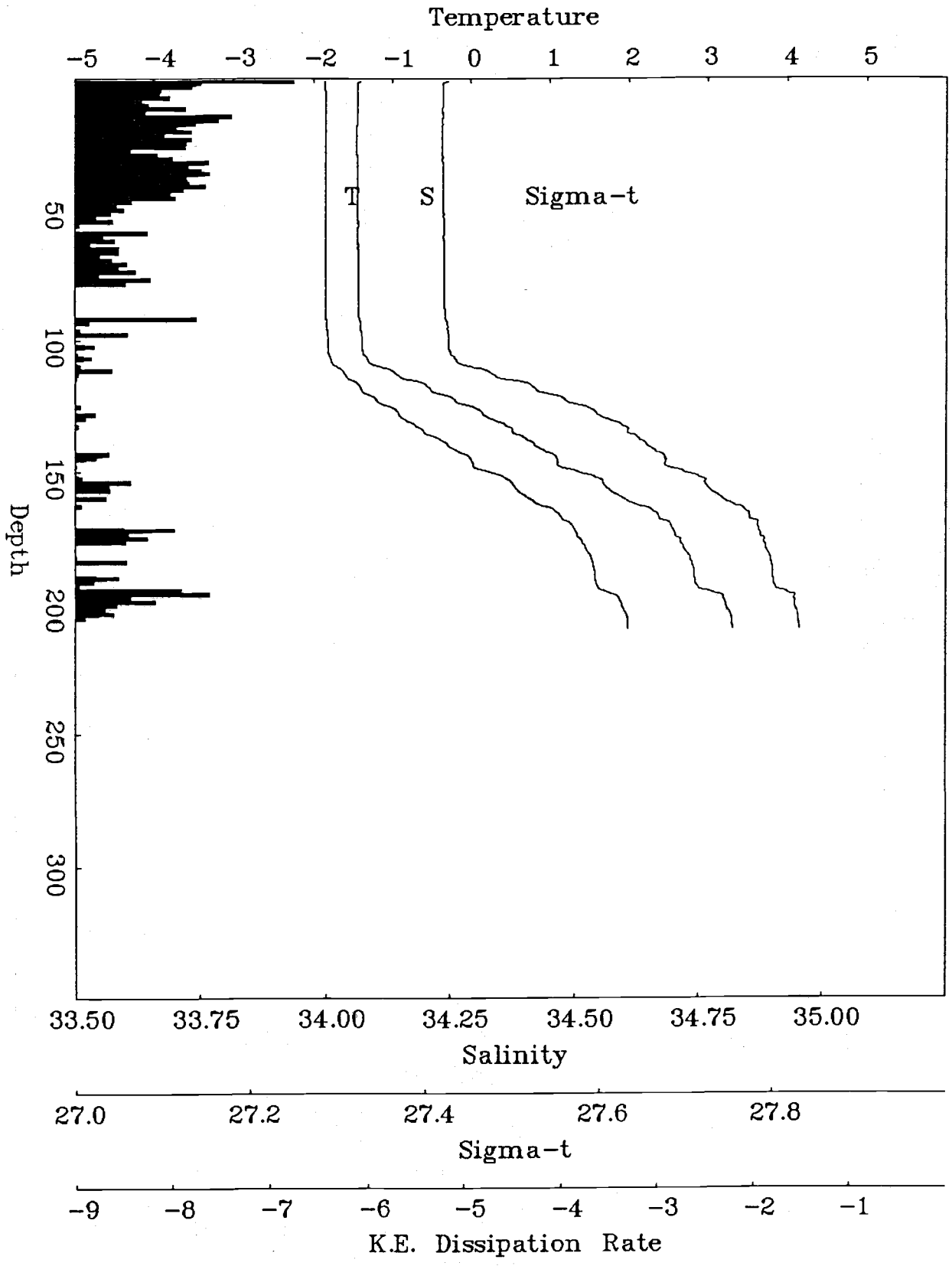

CEAREX Cast 157, JD 93.4051, 09:38, 82.91N, 10.61E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

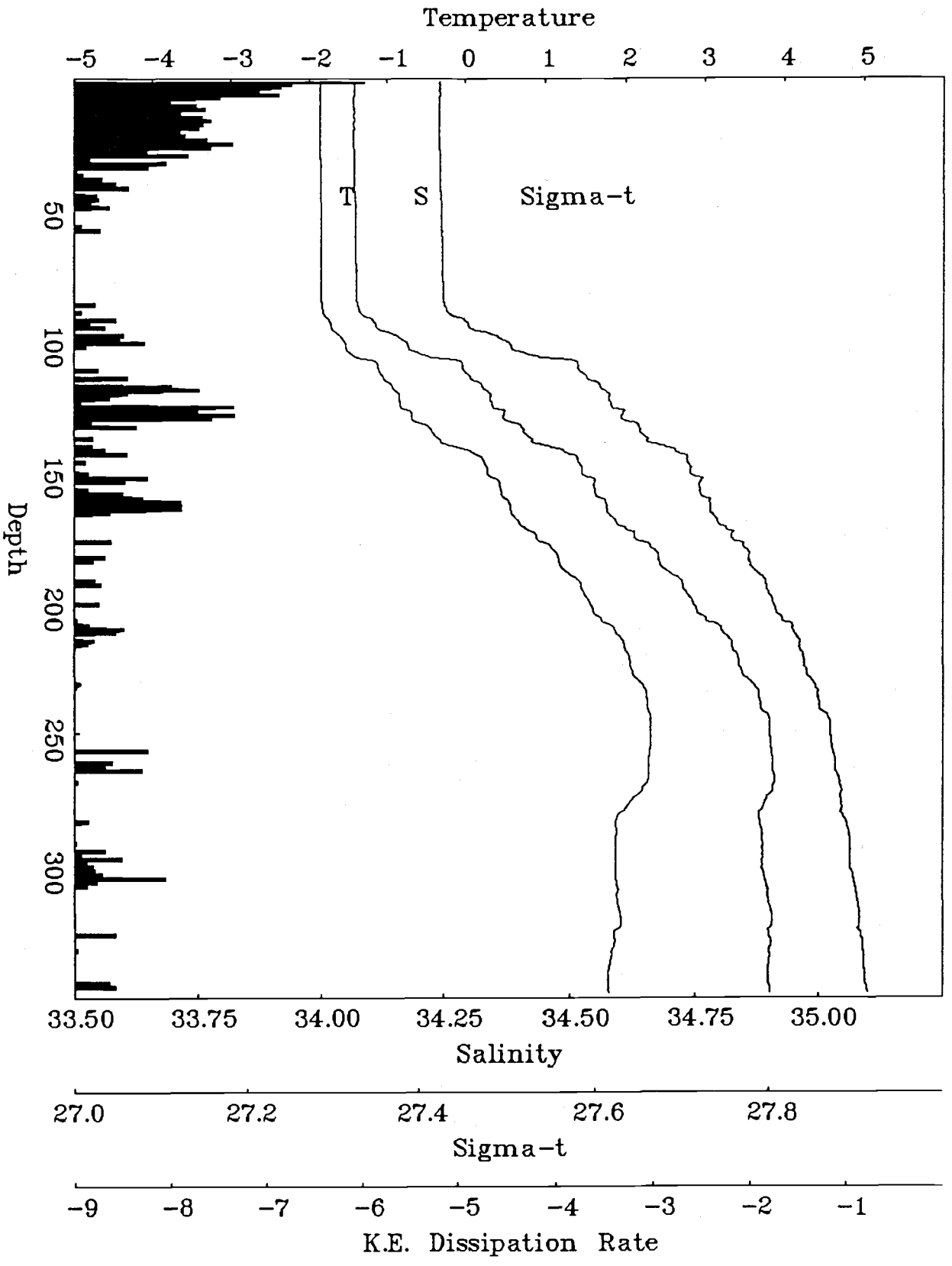

CEAREX Cast 168, JD 93.5041, 12:00, 82.91N, 10.62E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

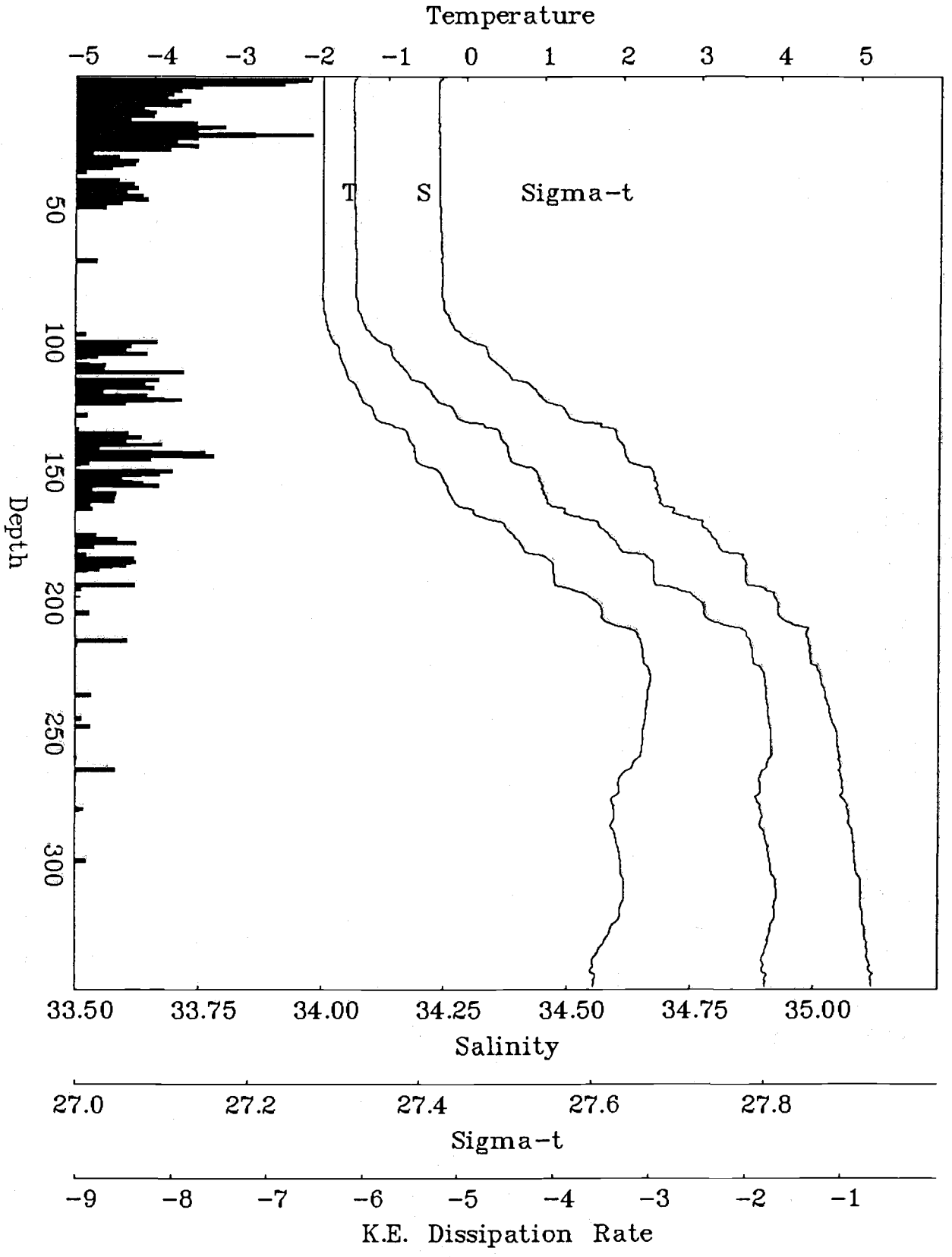

CEAREX Cast 186, JD 93.6734, 16:04, 82.90N, 10.61E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

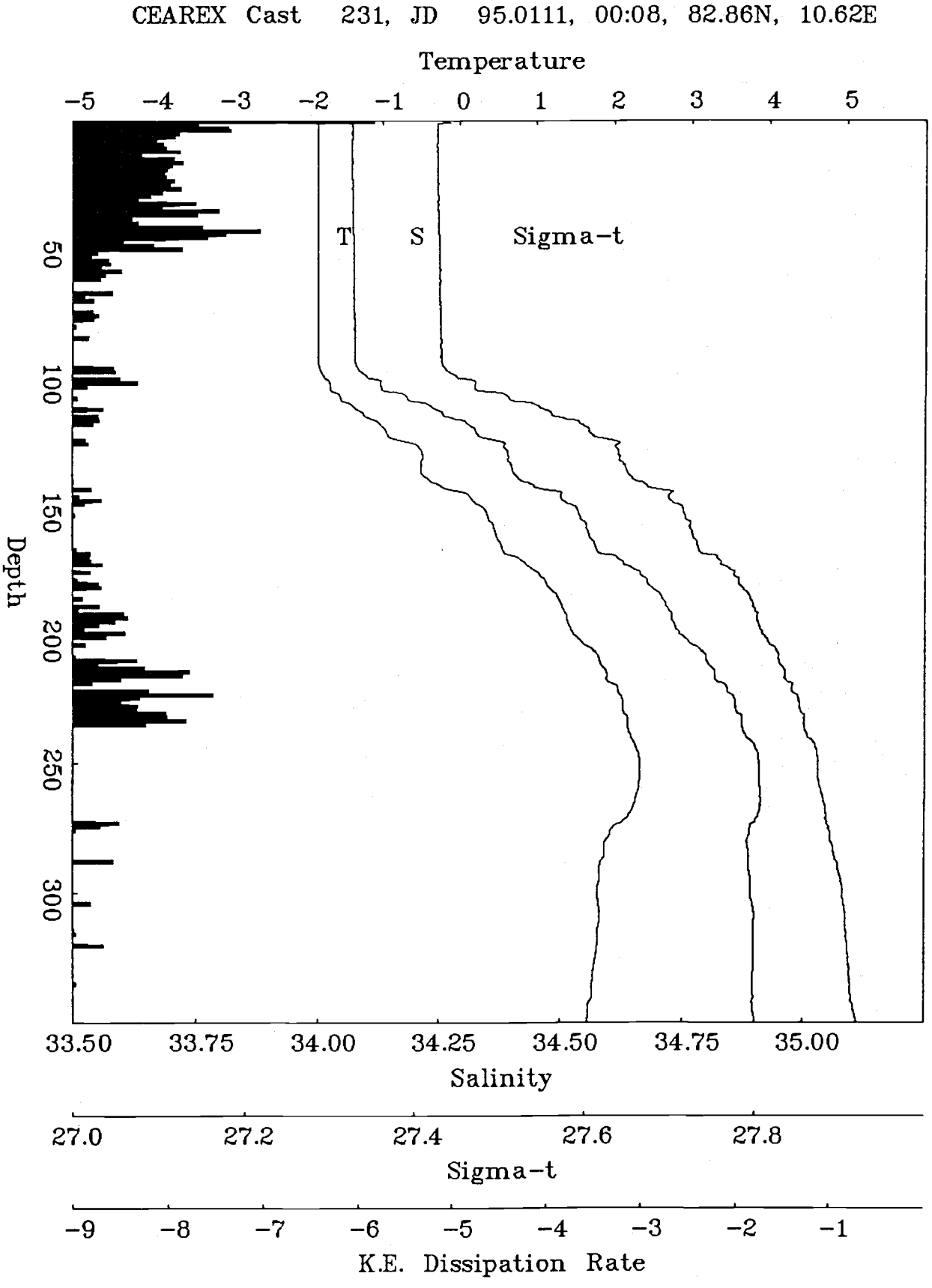

CEAREX Cast 196, JD 93.8947, 21:23, 82.89N, 10.65E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

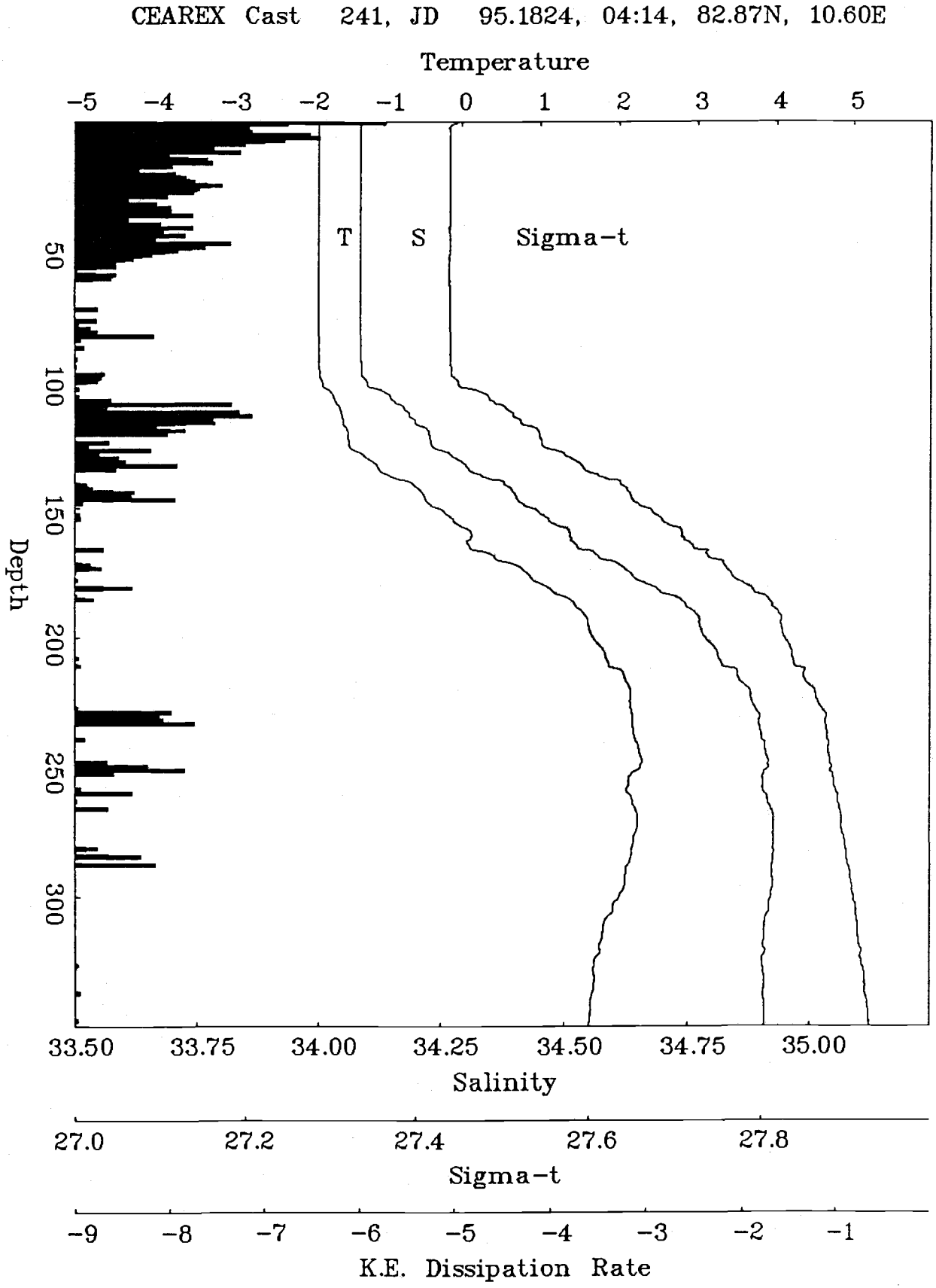

CEAREX Cast 198, JD 94.3371, 08:00, 82.88N, 10.63E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

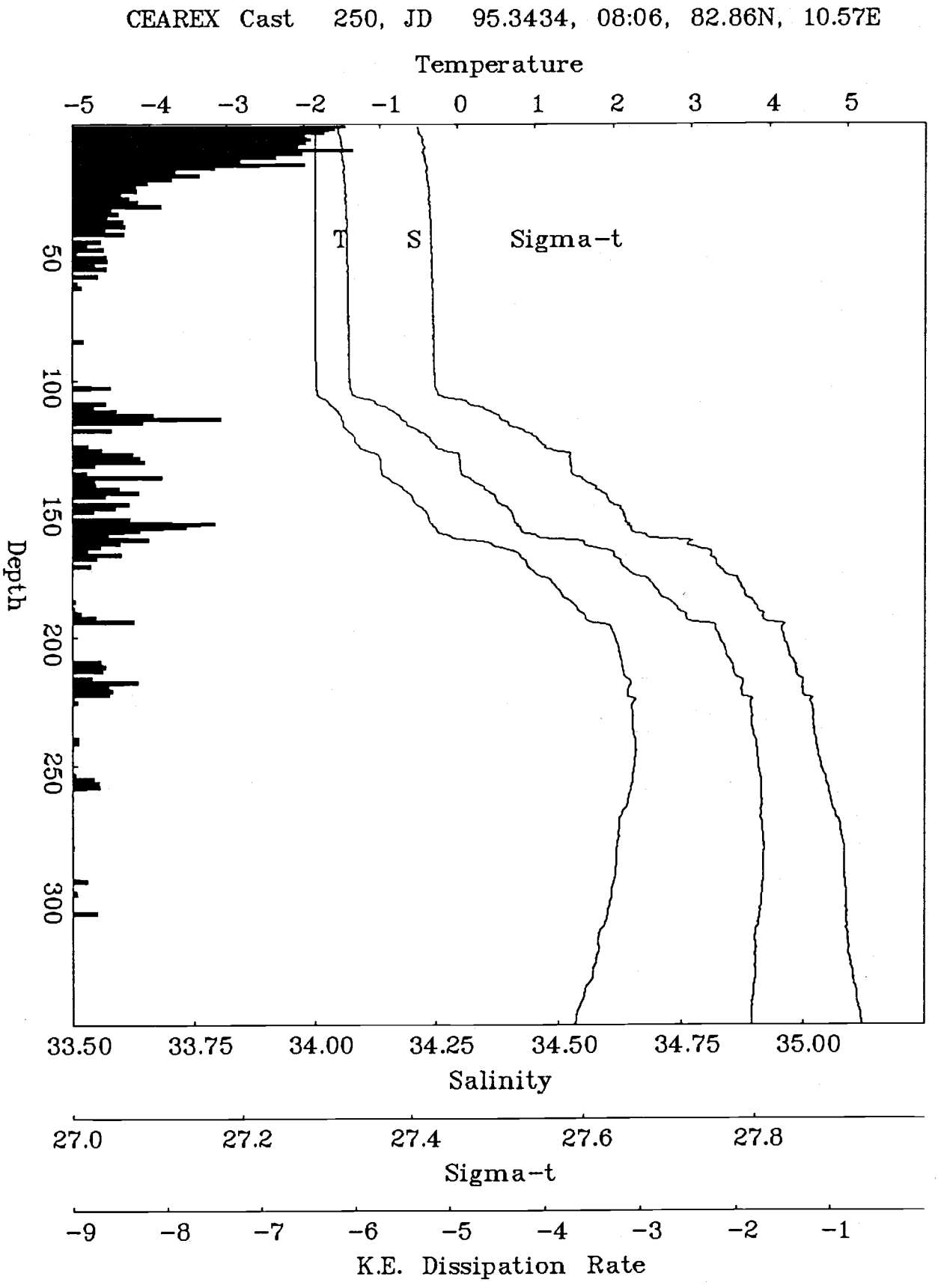

CEAREX Cast 202, JD 94.5318, 12:41, 82.88N, 10.62E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

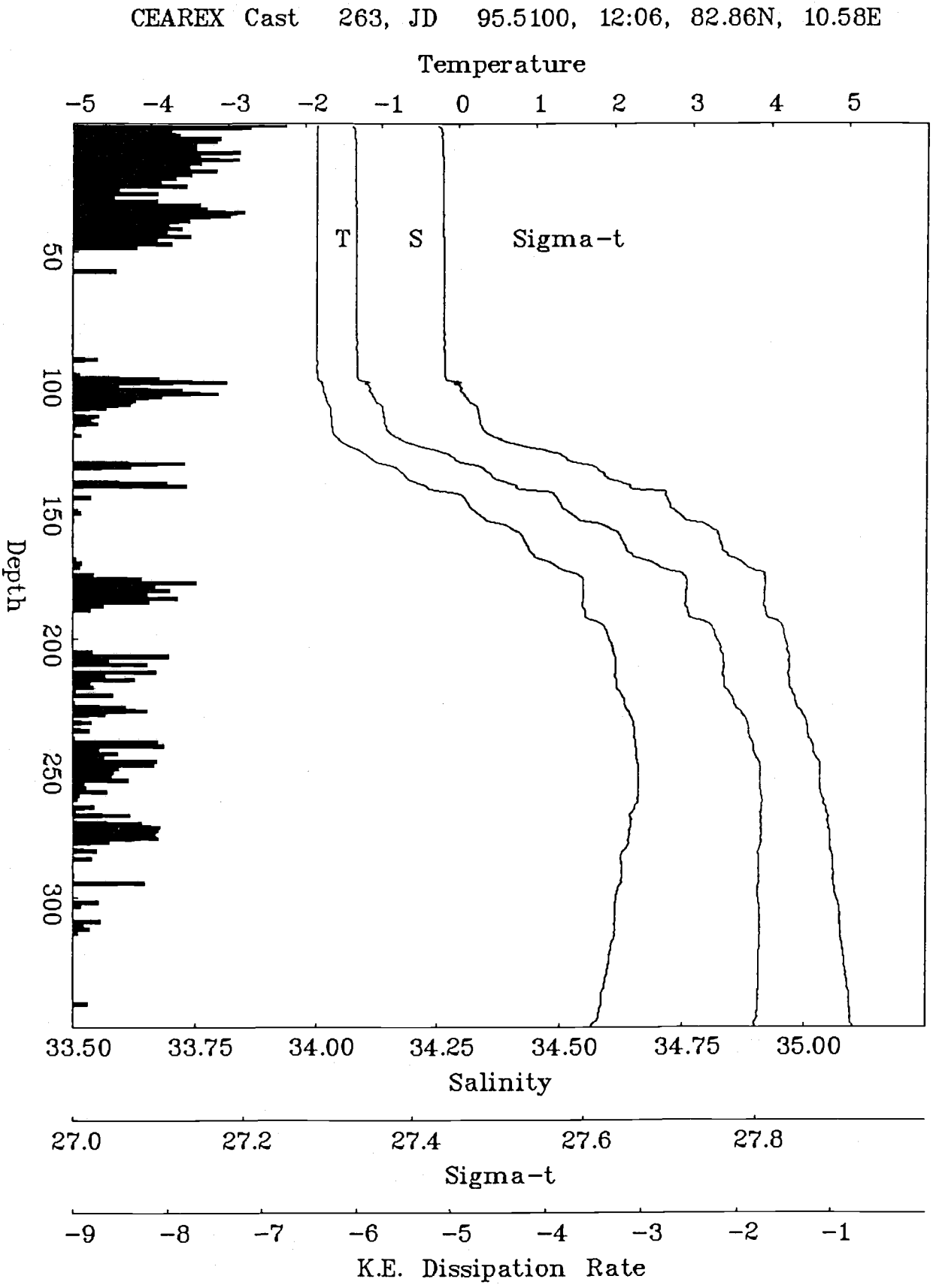

CEAREX Cast 208, JD 94.6687, 15:55, 82.88N, 10.62E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

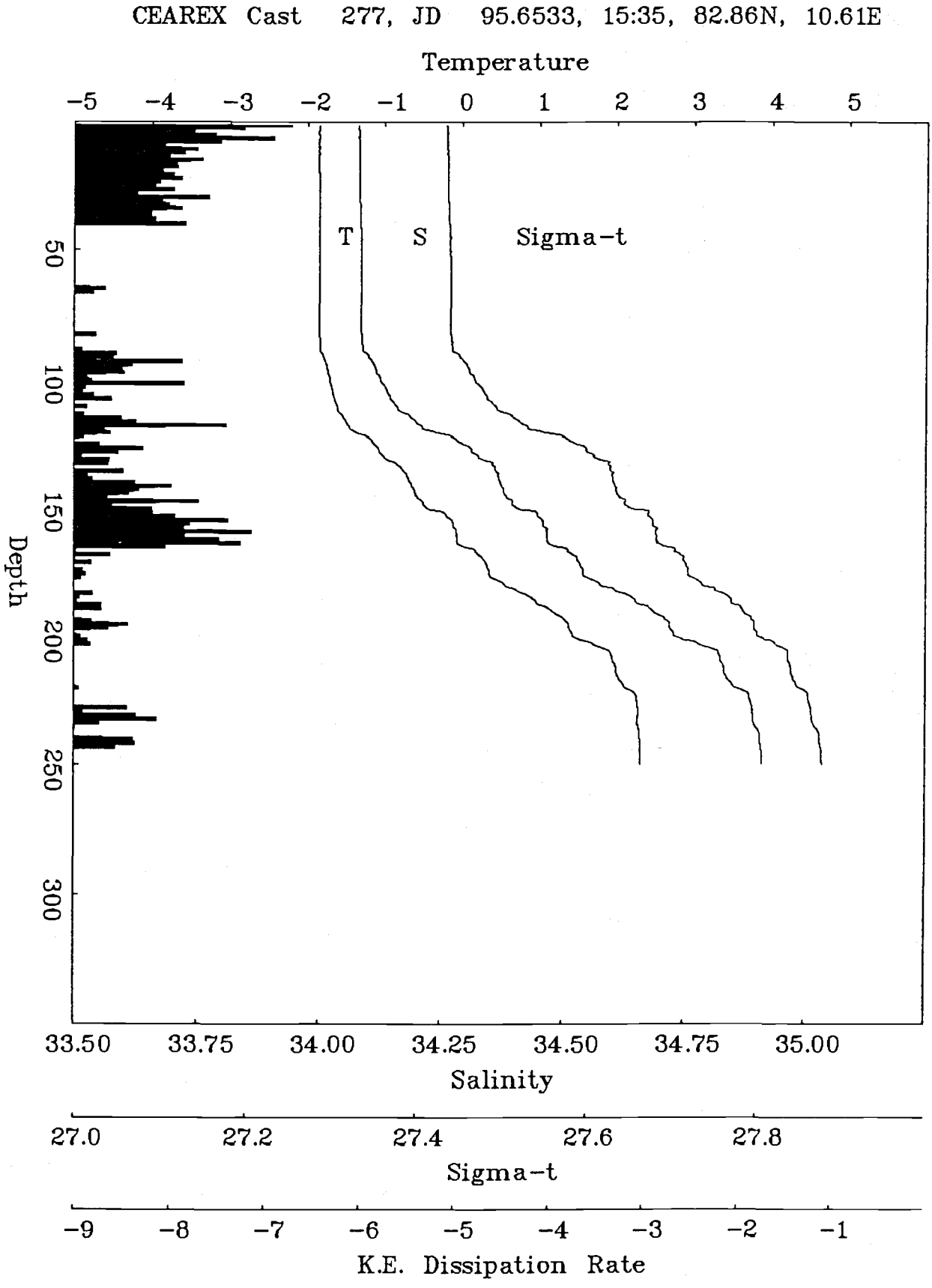

CEAREX Cast 219, JD 94.8408, 20:02, 82.87N, 10.62E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

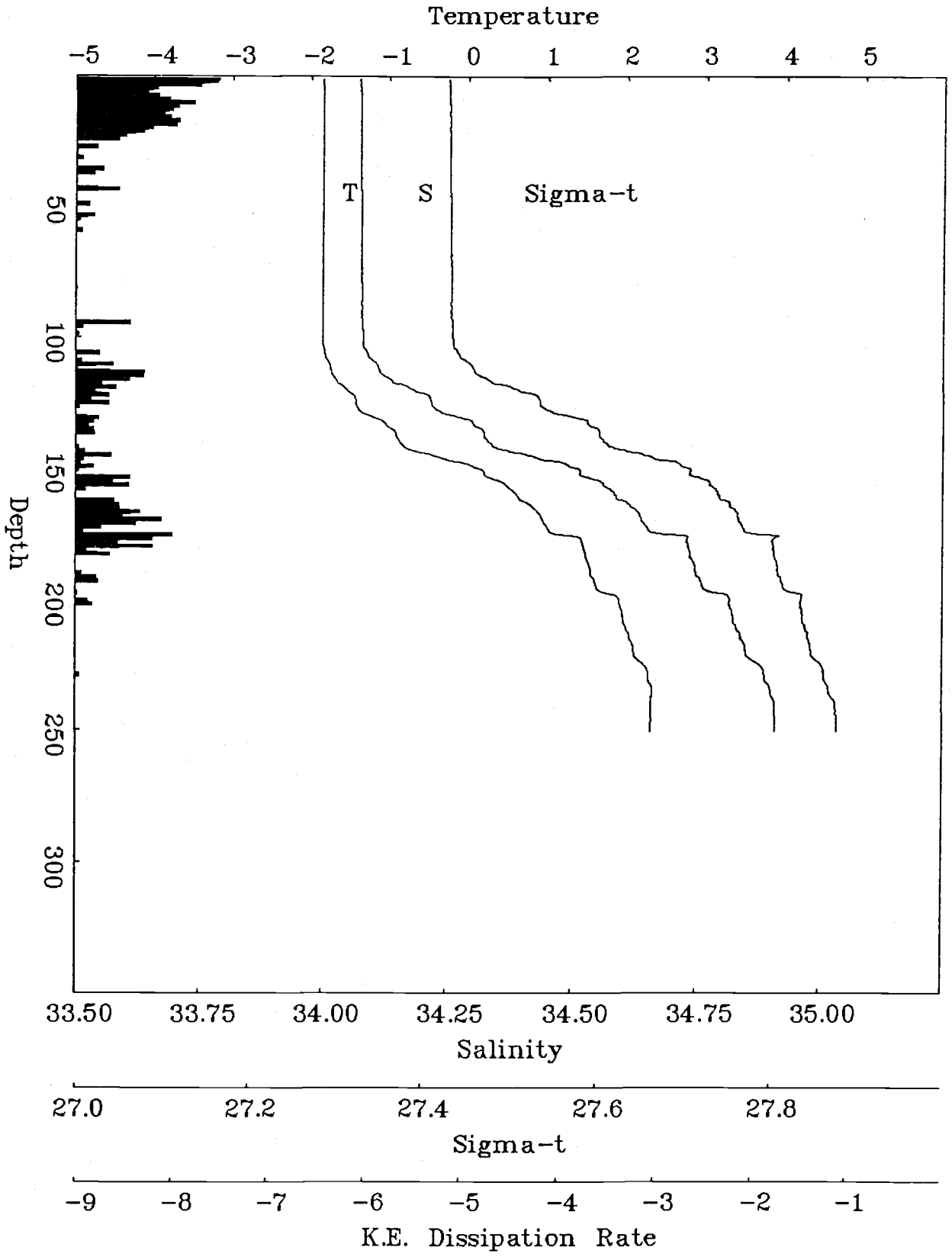

CEAREX Cast 231, JD 95.0111, 00:08, 82.86N, 10.62E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

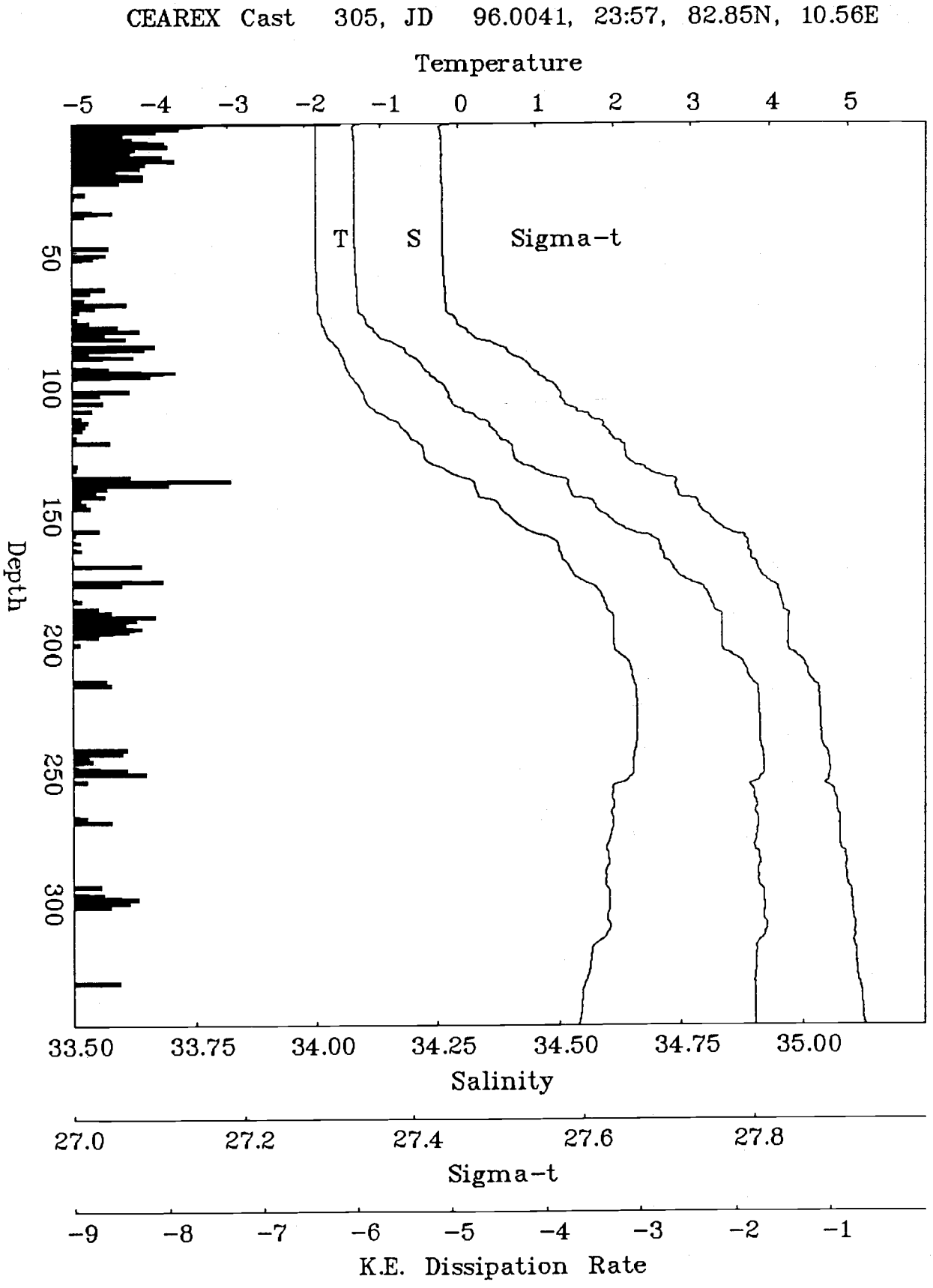

CEAREX Cast 241, JD 95.1824, 04:14, 82.87N, 10.60E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

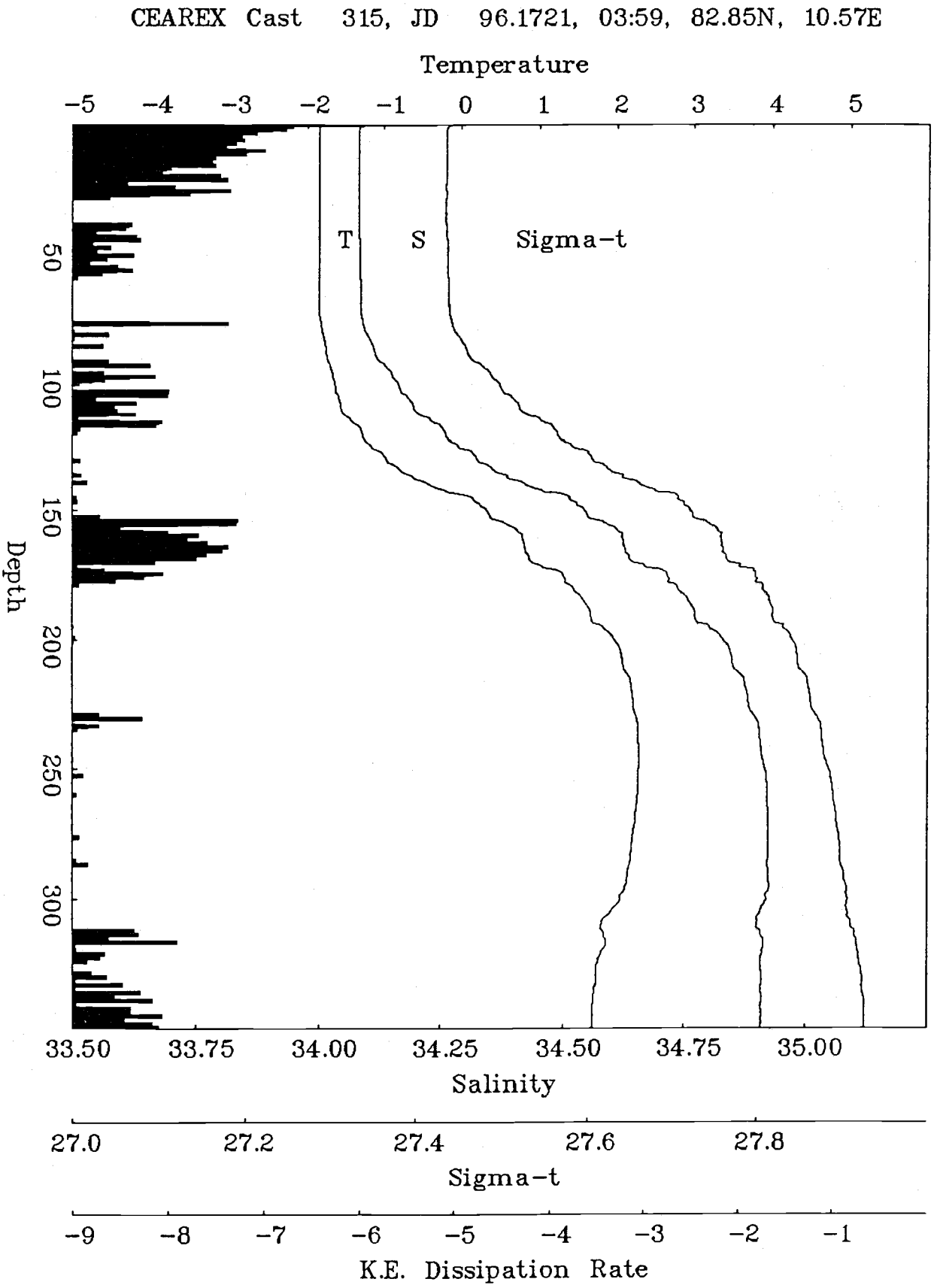

CEAREX Cast 250, JD 95.3434, 08:06, 82.86N, 10.57E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

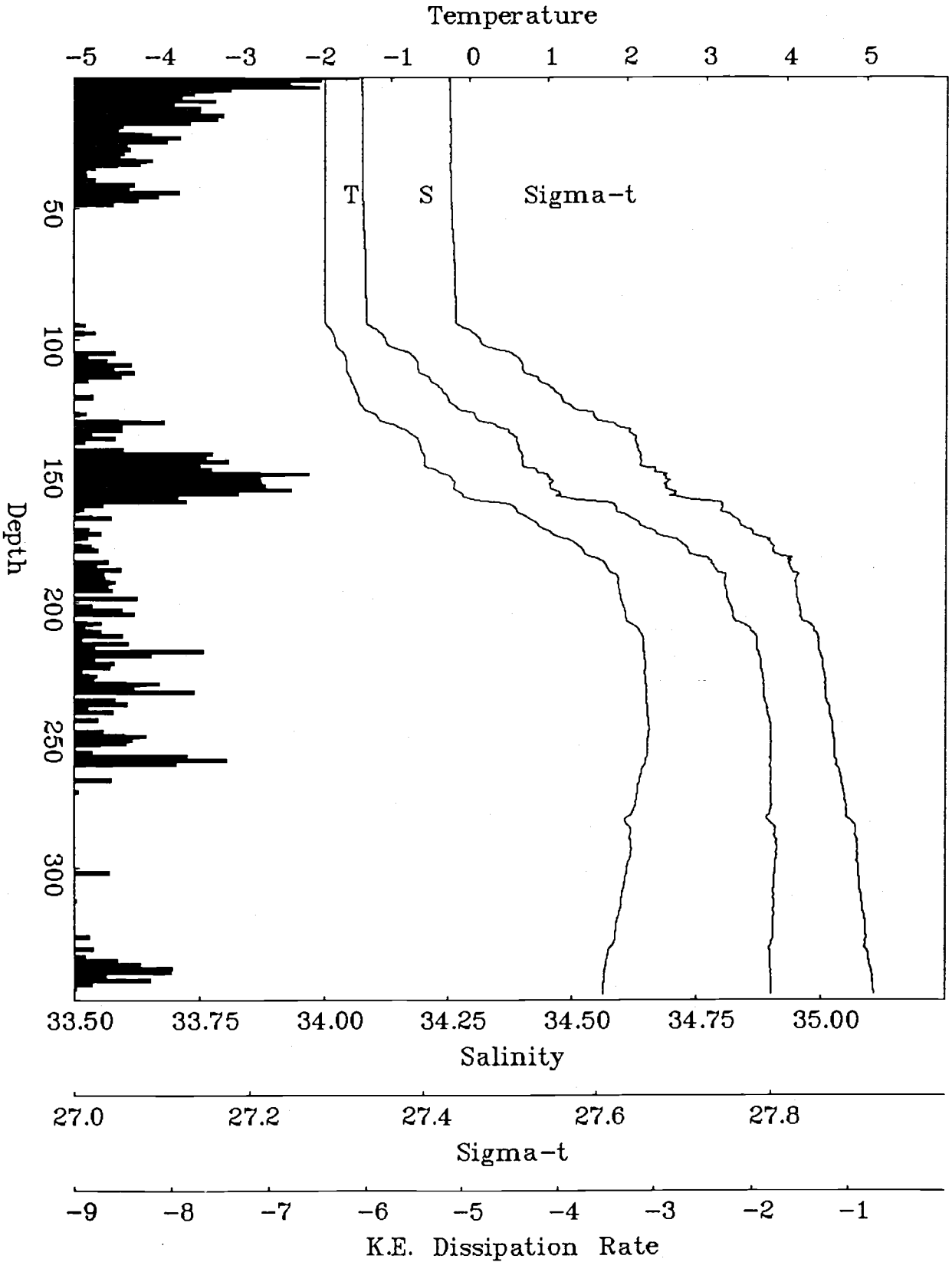

CEAREX Cast 263, JD 95.5100, 12:06, 82.86N, 10.58E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

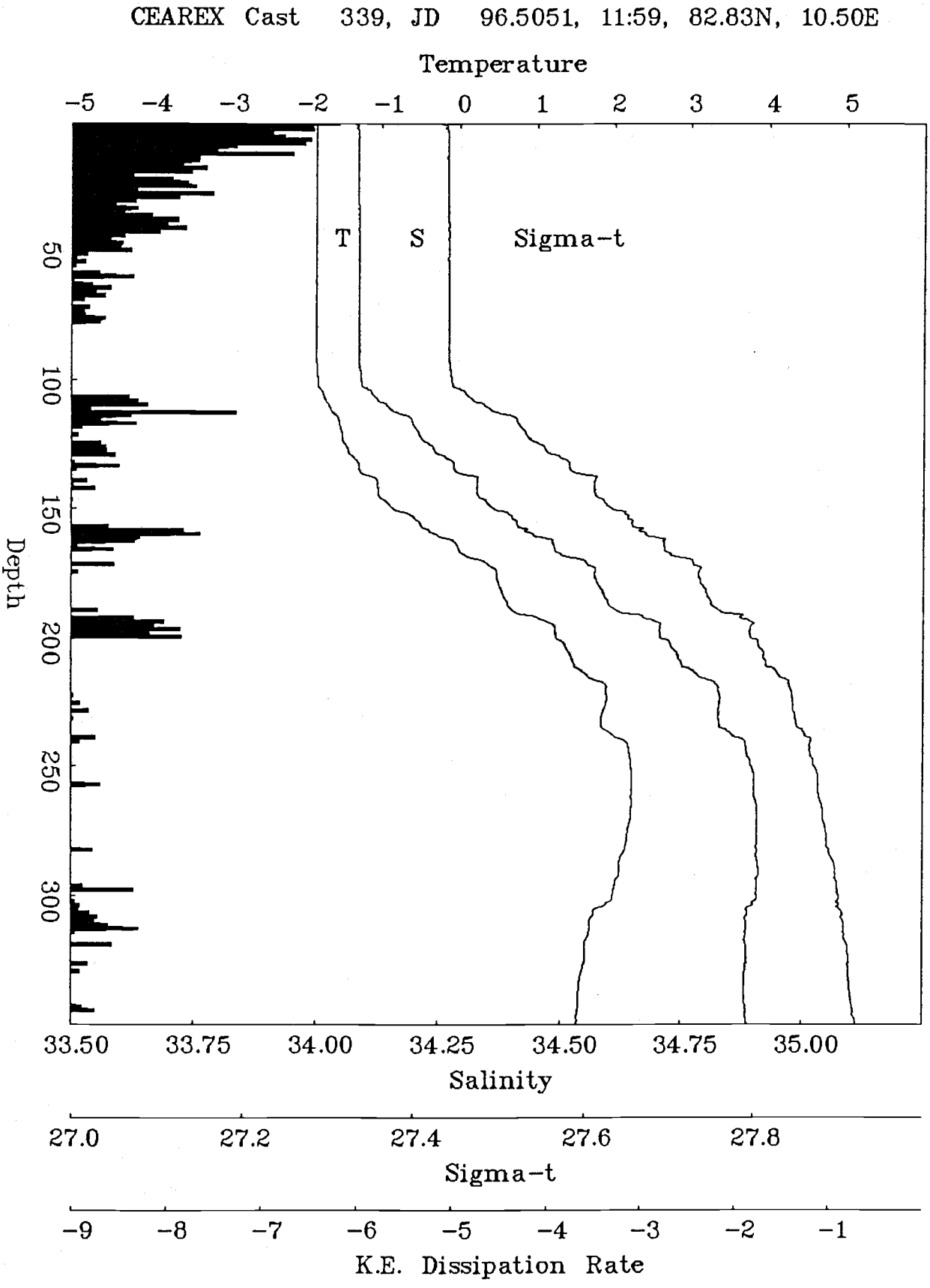

CEAREX Cast 277, JD 95.6533, 15:35, 82.86N, 10.61E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

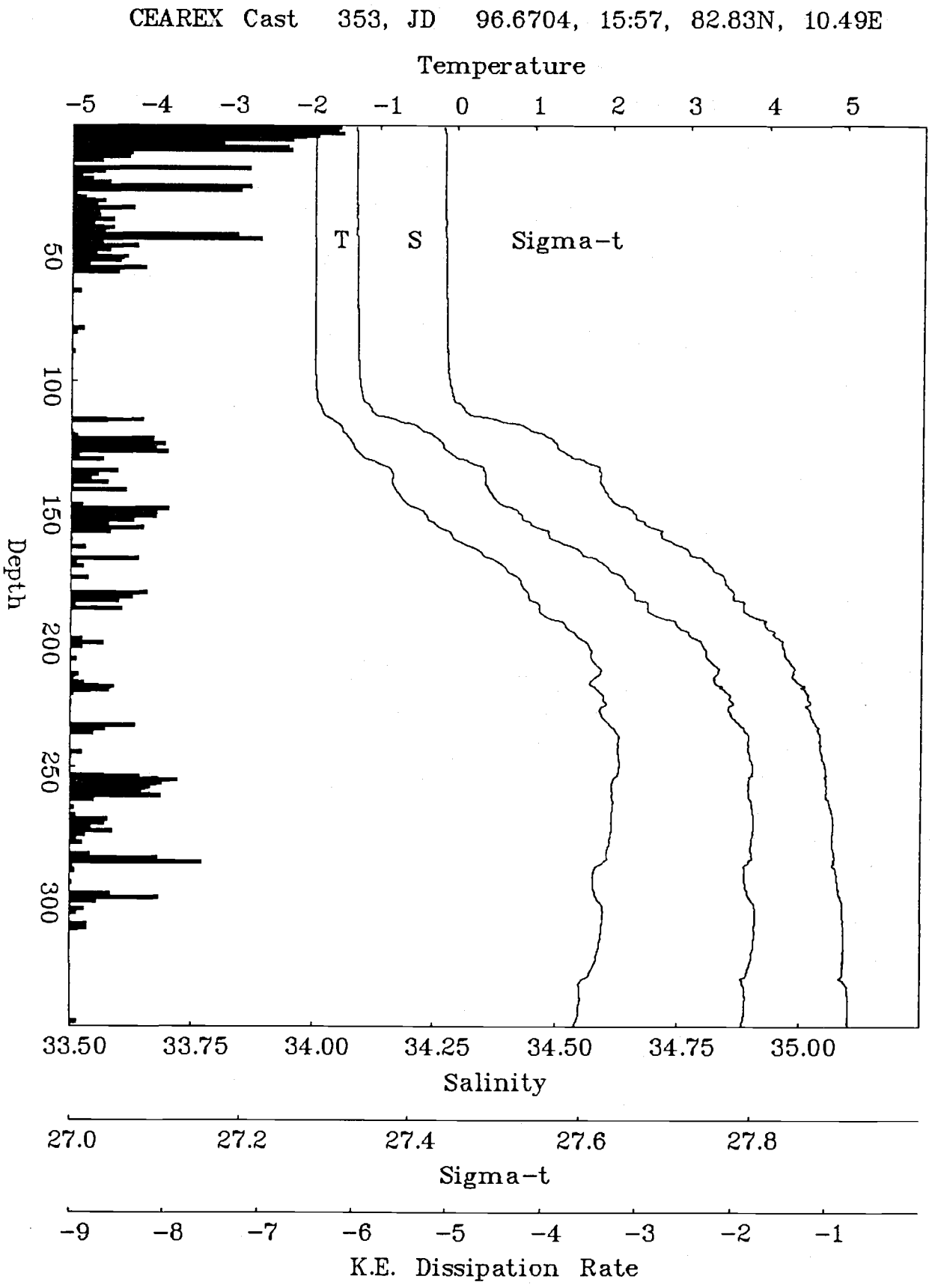

CEAREX Cast 291, JD 95.8373, 19:59, 82.86N, 10.58E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

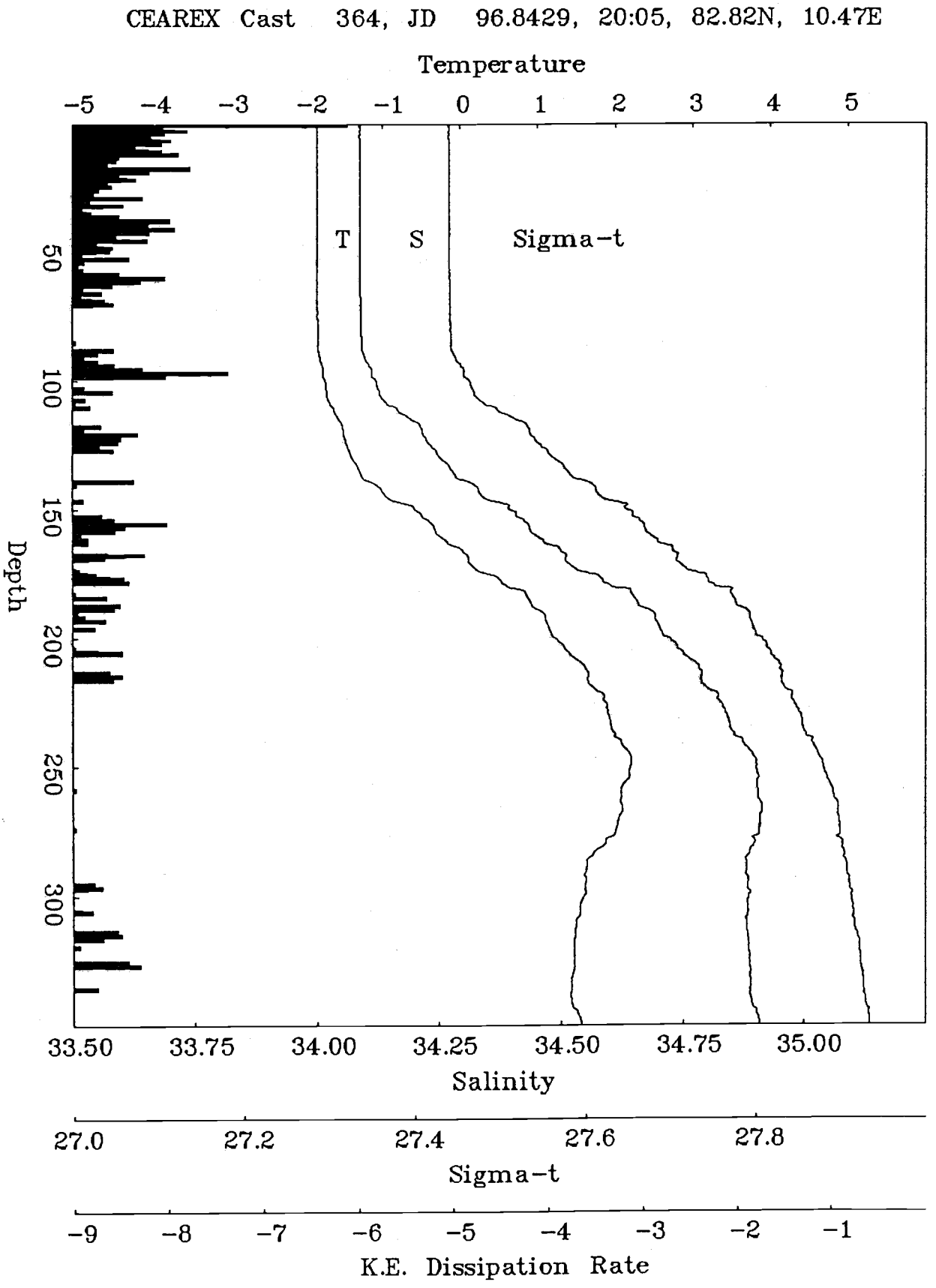

CEAREX Cast 305, JD 96.0041, 23:57, 82.85N, 10.56E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

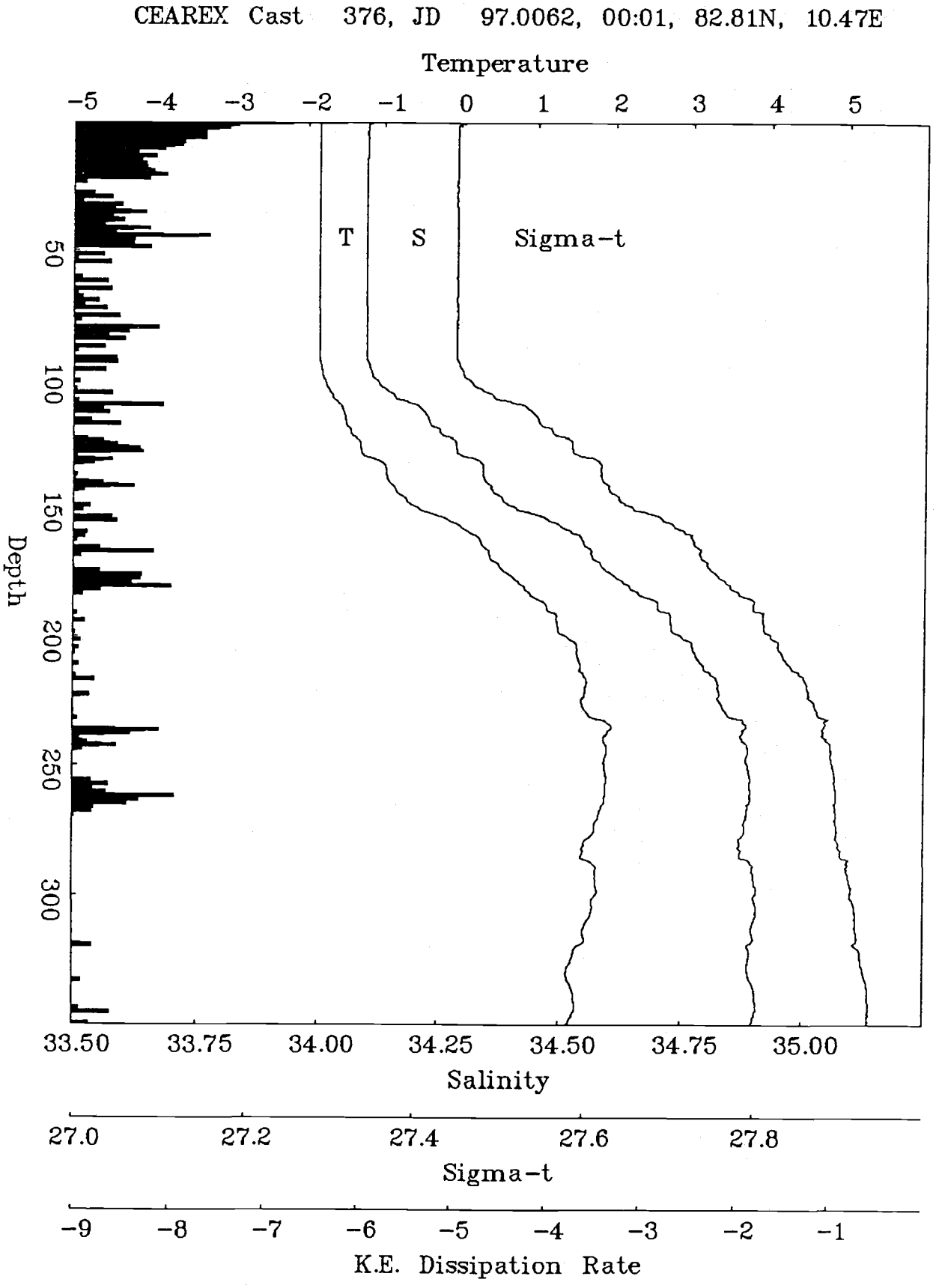

CEAREX Cast 315, JD 96.1721, 03:59, 82.85N, 10.57E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

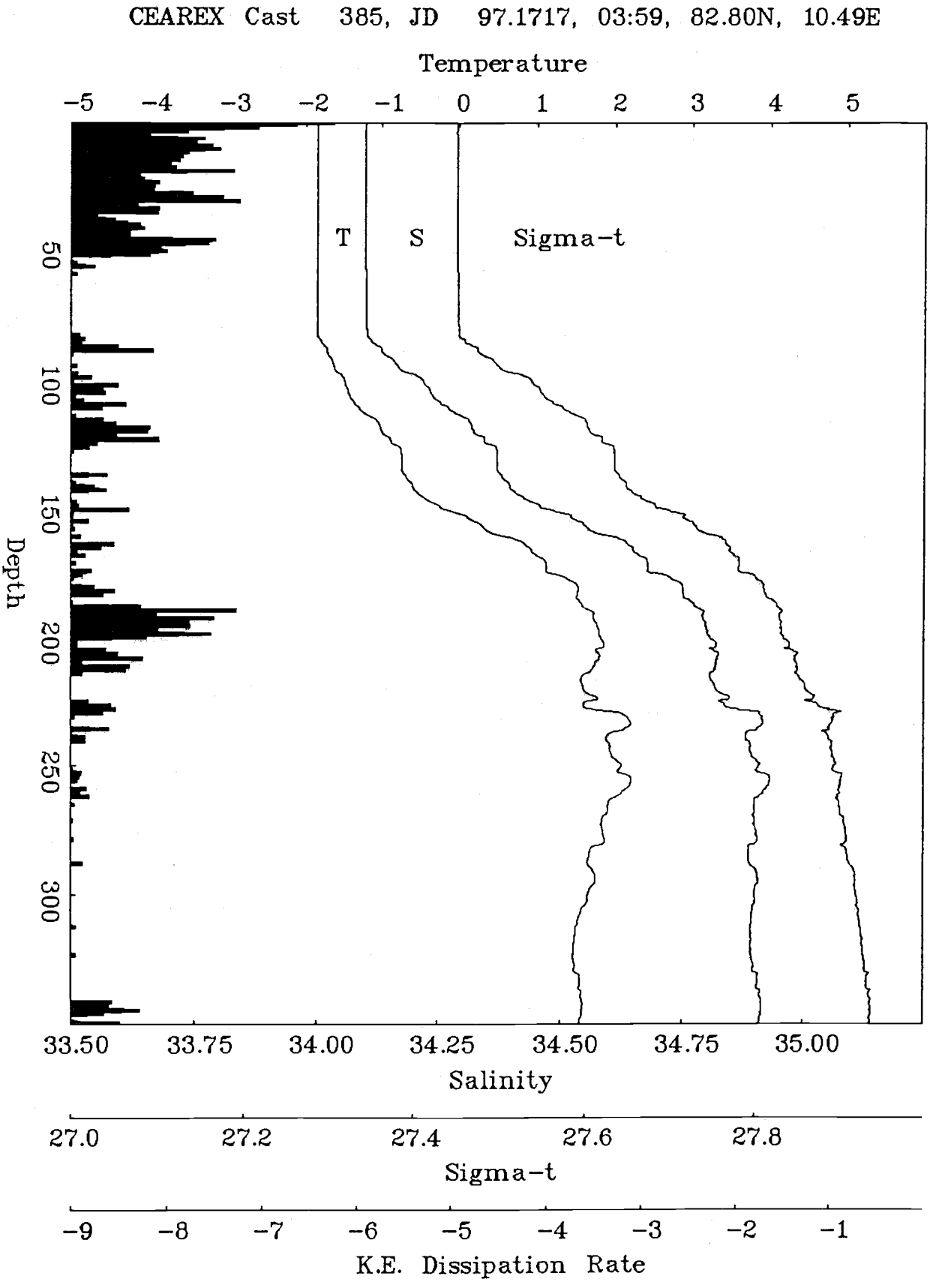

CEAREX Cast 326, JD 96.3367, 07:57, 82.84N, 10.54E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

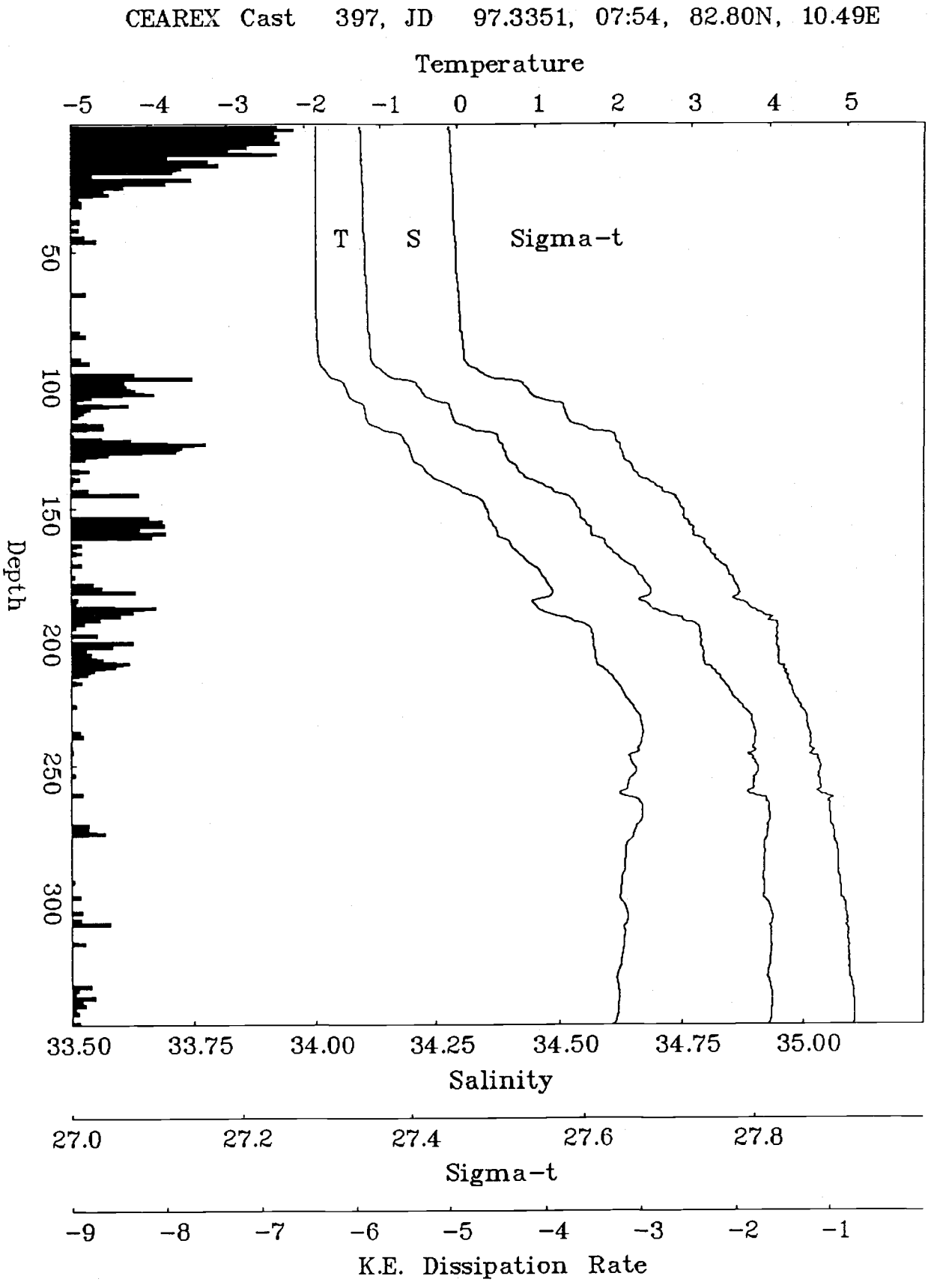

CEAREX Cast 339, JD 96.5051, 11:59, 82.83N, 10.50E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

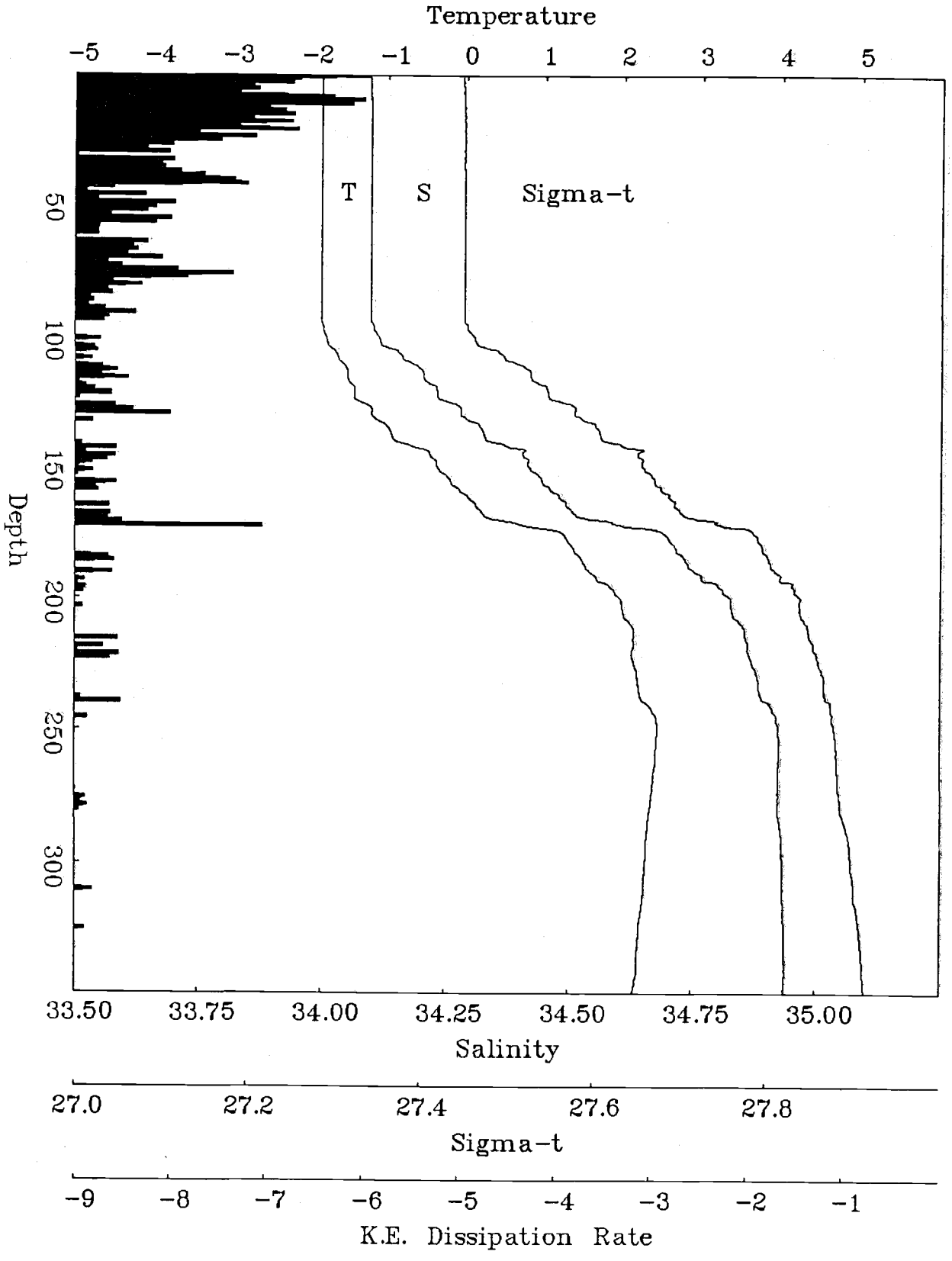

CEAREX Cast 353, JD 96.6704, 15:57, 82.83N, 10.49E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

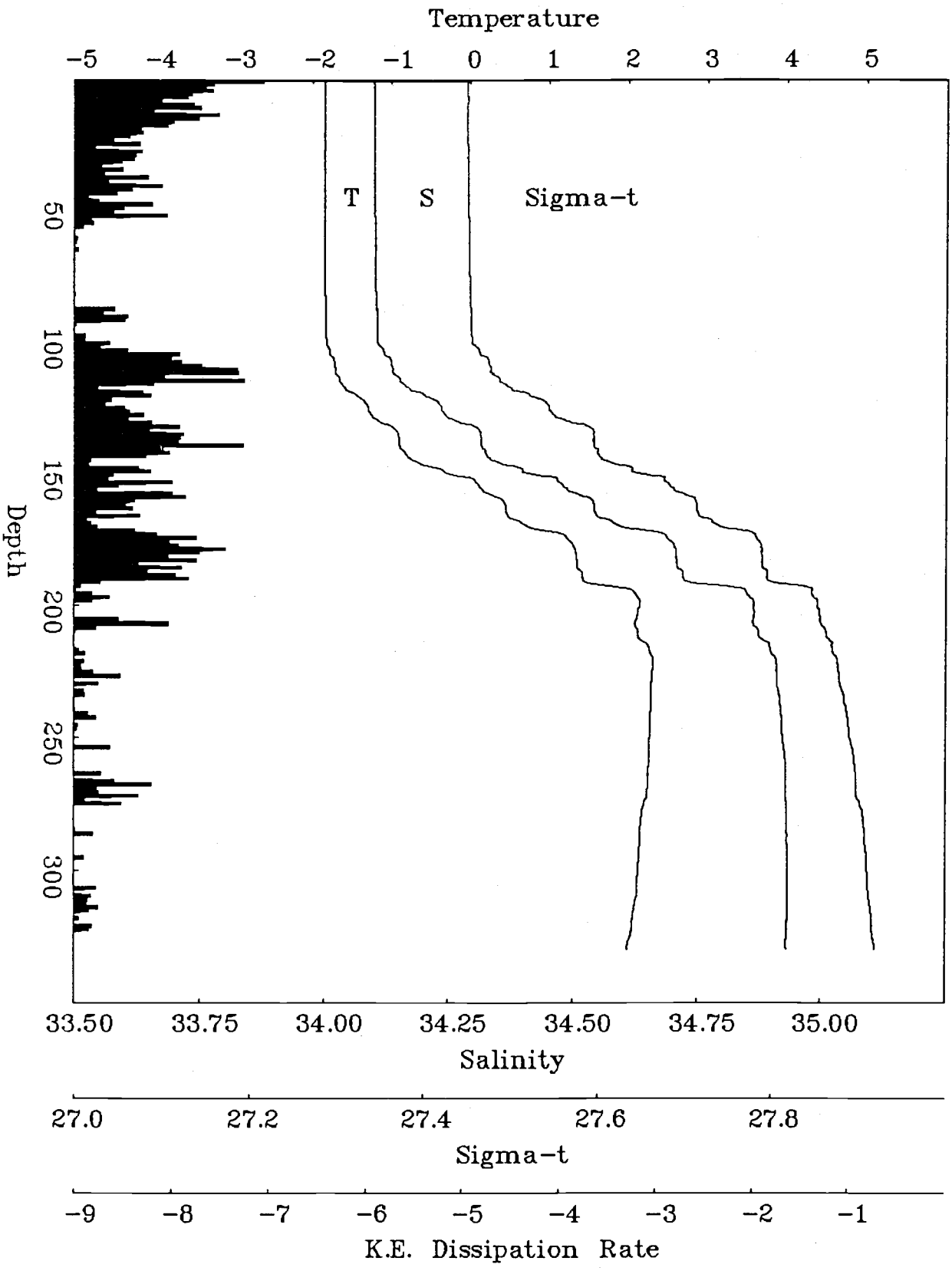

CEAREX Cast 364, JD 96.8429, 20:05, 82.82N, 10.47E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

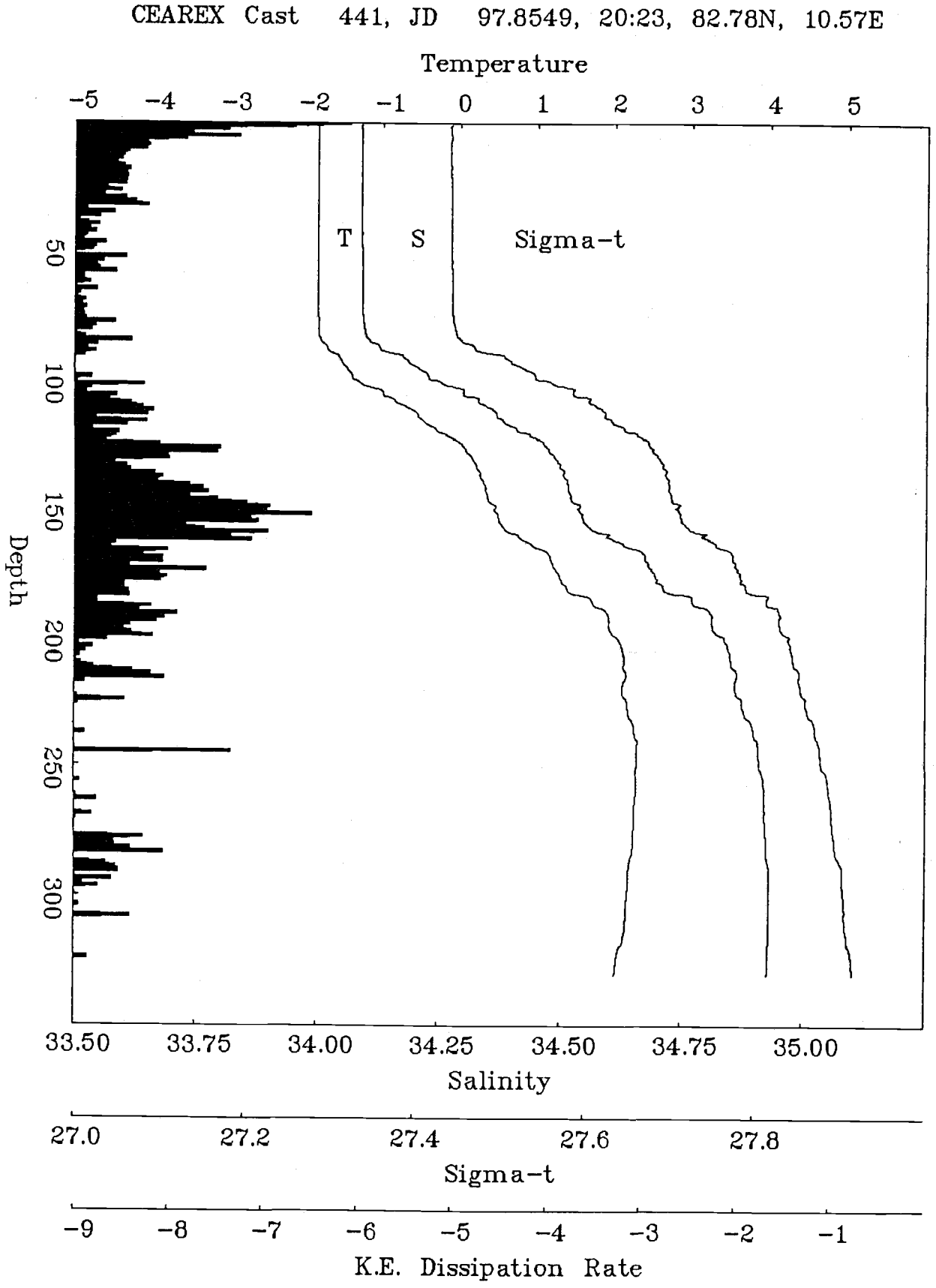

CEAREX Cast 376, JD 97.0062, 00:01, 82.81N, 10.47E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

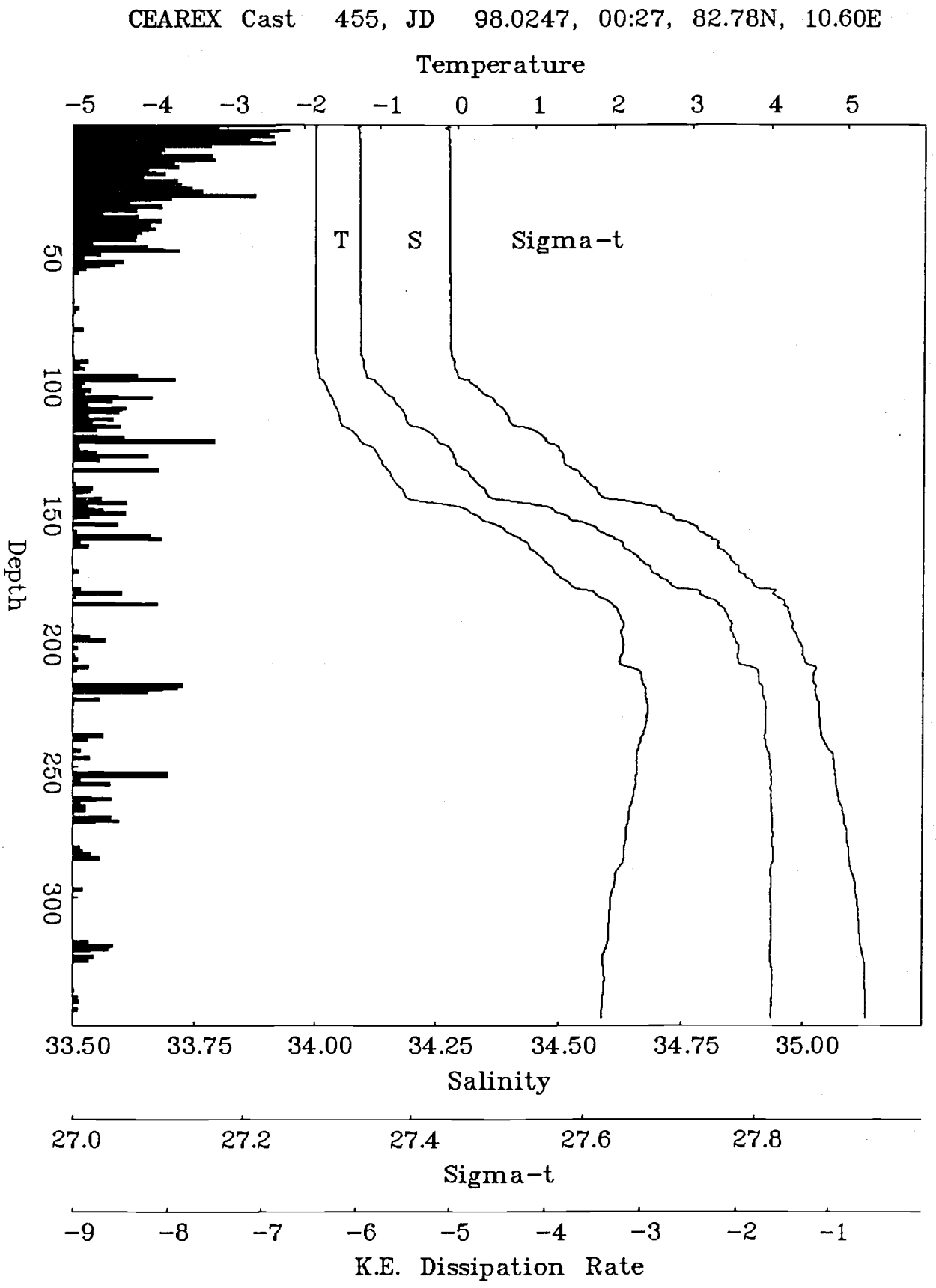

CEAREX Cast 385, JD 97.1717, 03:59, 82.80N, 10.49E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

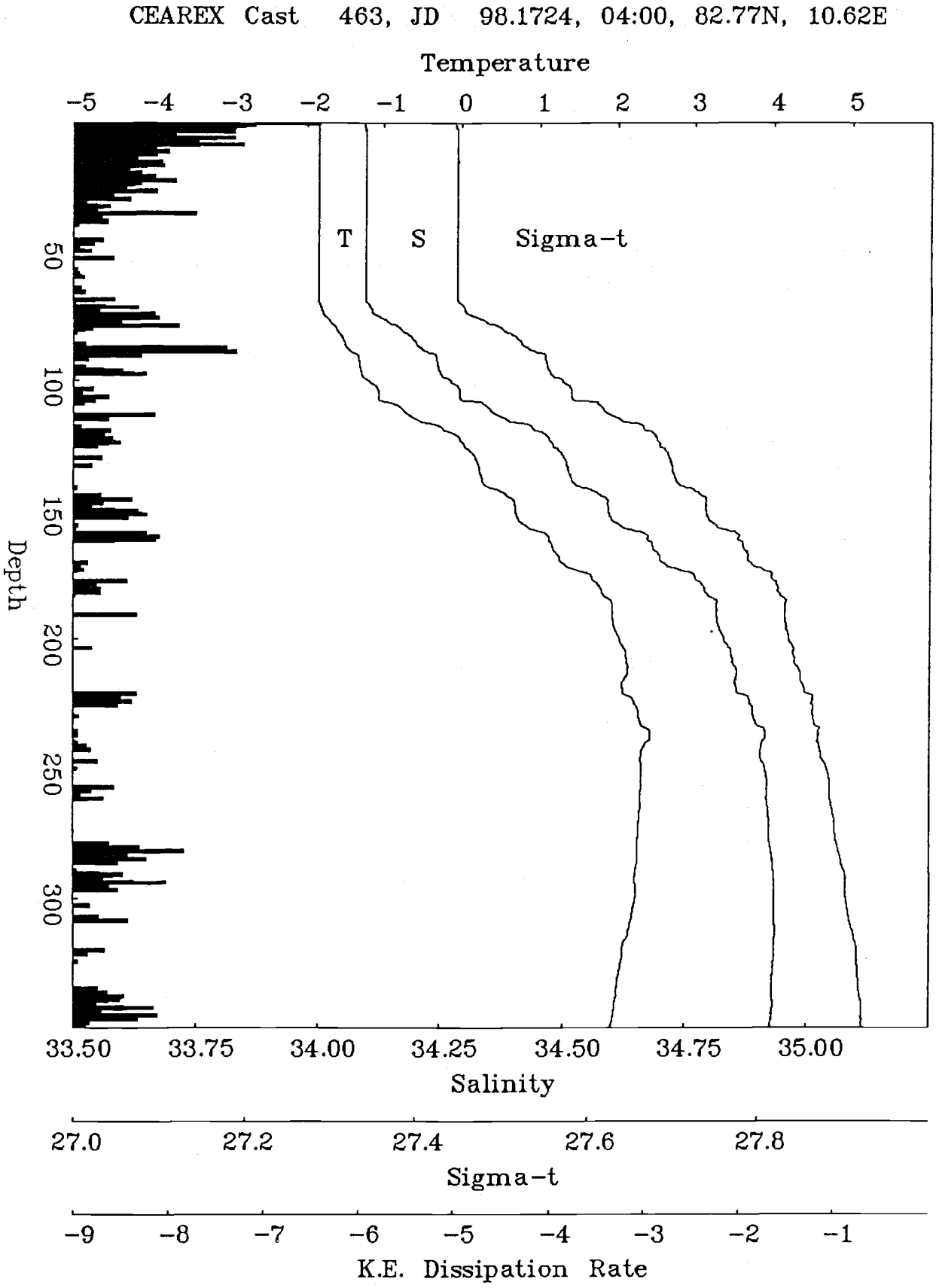

CEAREX Cast 397, JD 97.3351, 07:54, 82.80N, 10.49E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

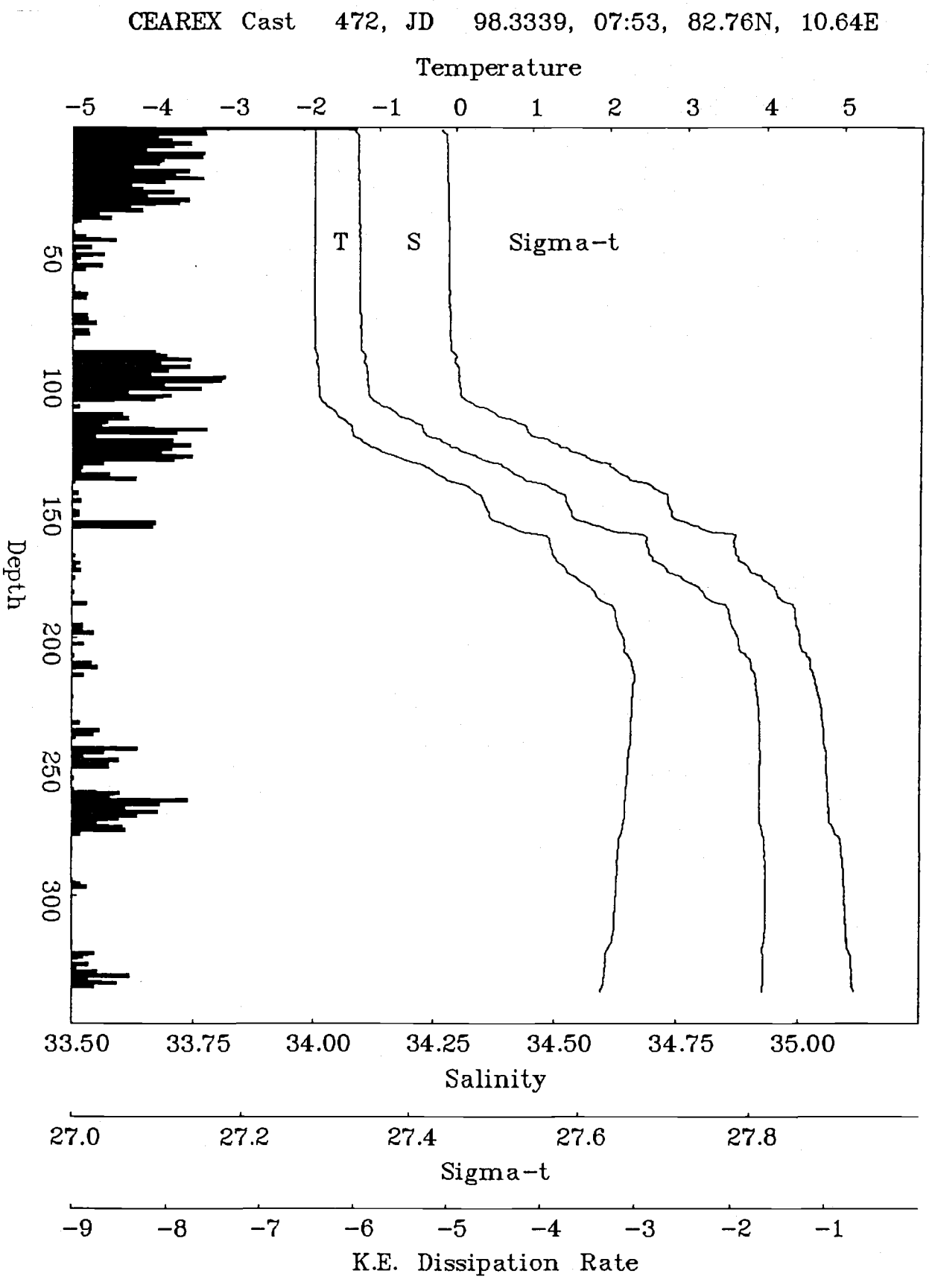

CEAREX Cast 405, JD 97.4637, 10:59, 82.79N, 10.52E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

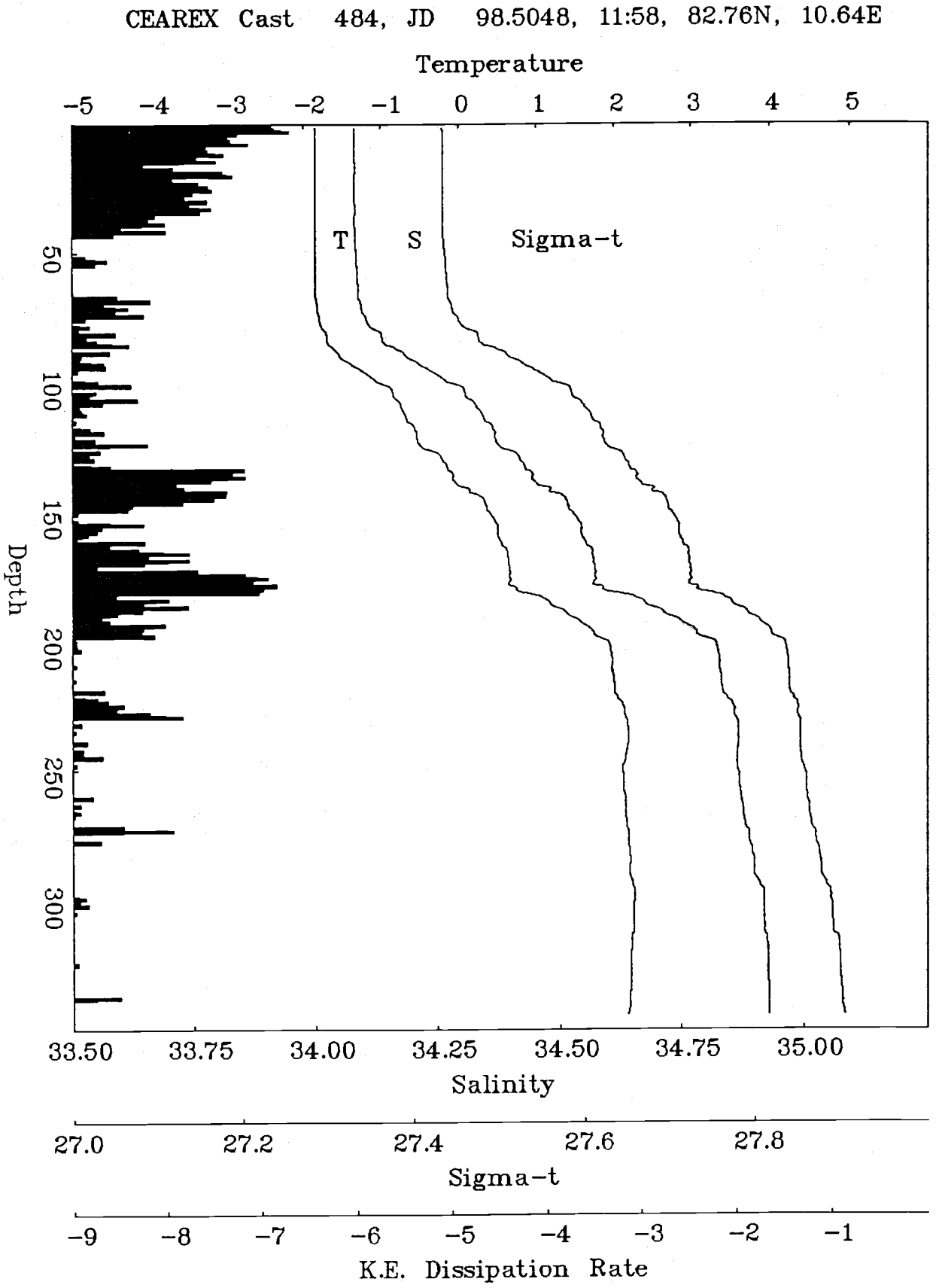

CEAREX Cast 416, JD 97.6826, 16:14, 82.78N, 10.55E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

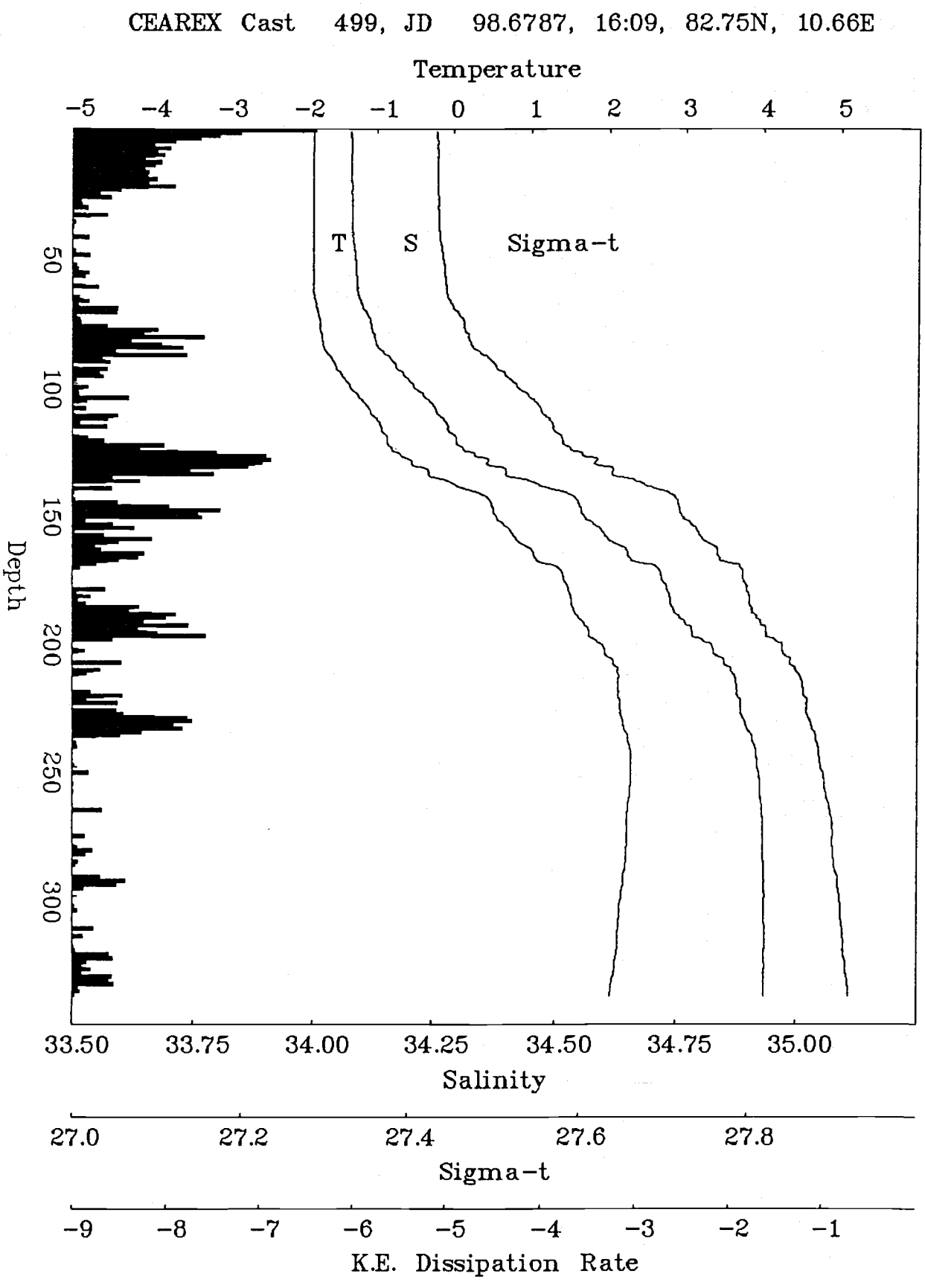

CEAREX Cast 441, JD 97.8549, 20:23, 82.78N, 10.57E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

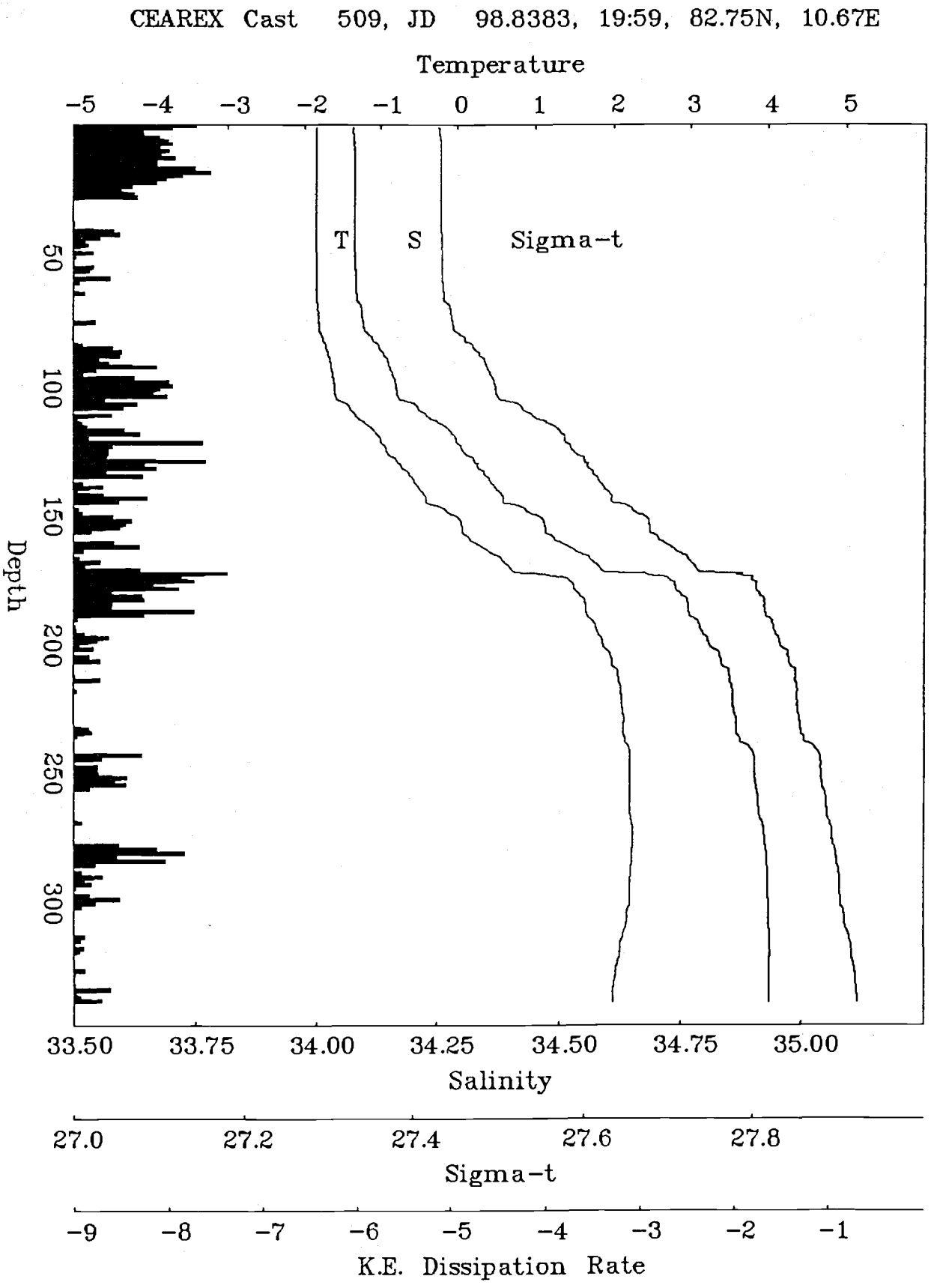

CEAREX Cast 455, JD 98.0247, 00:27, 82.78N, 10.60E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

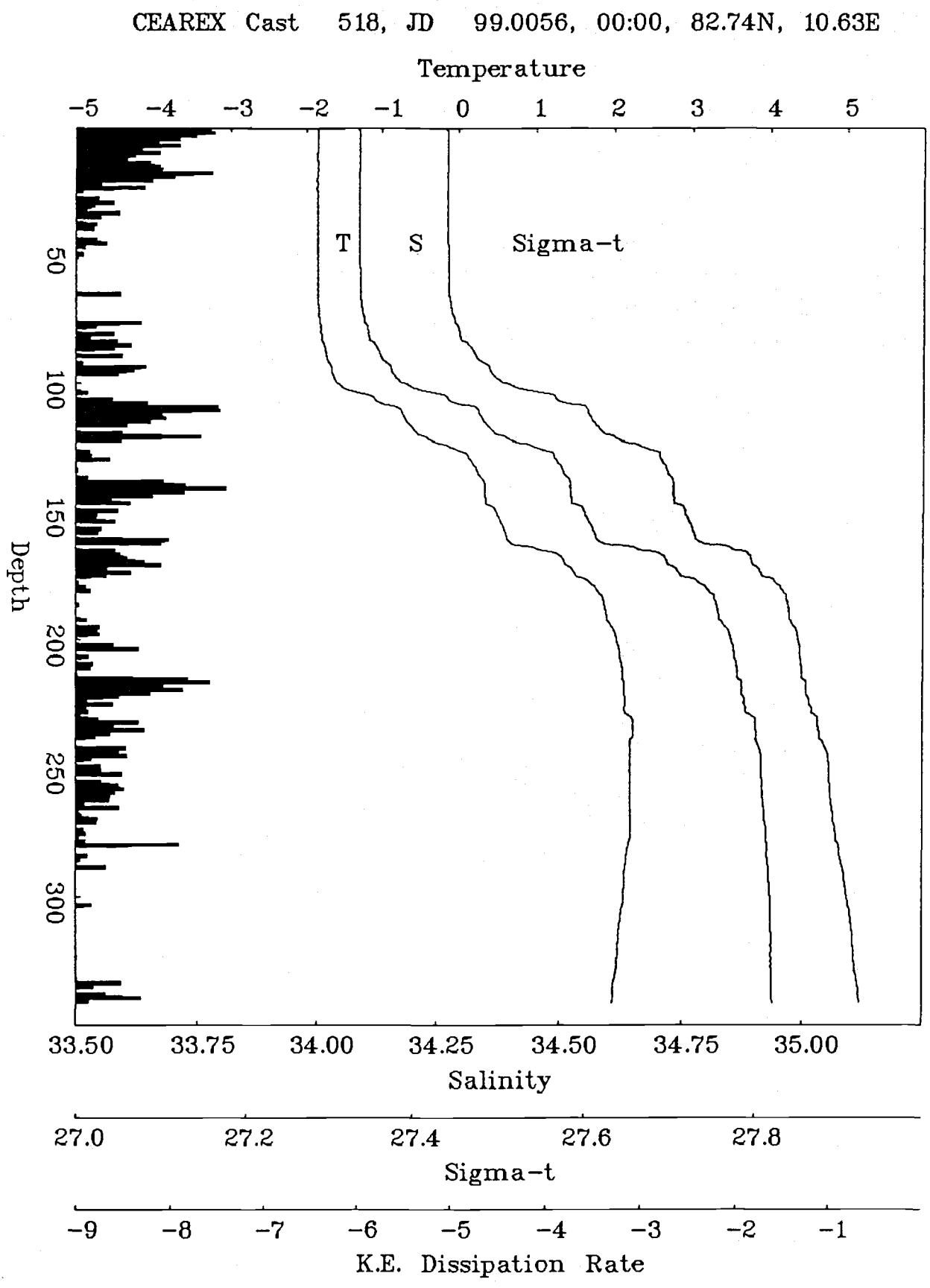

CEAREX Cast 463, JD 98.1724, 04:00, 82.77N, 10.62E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

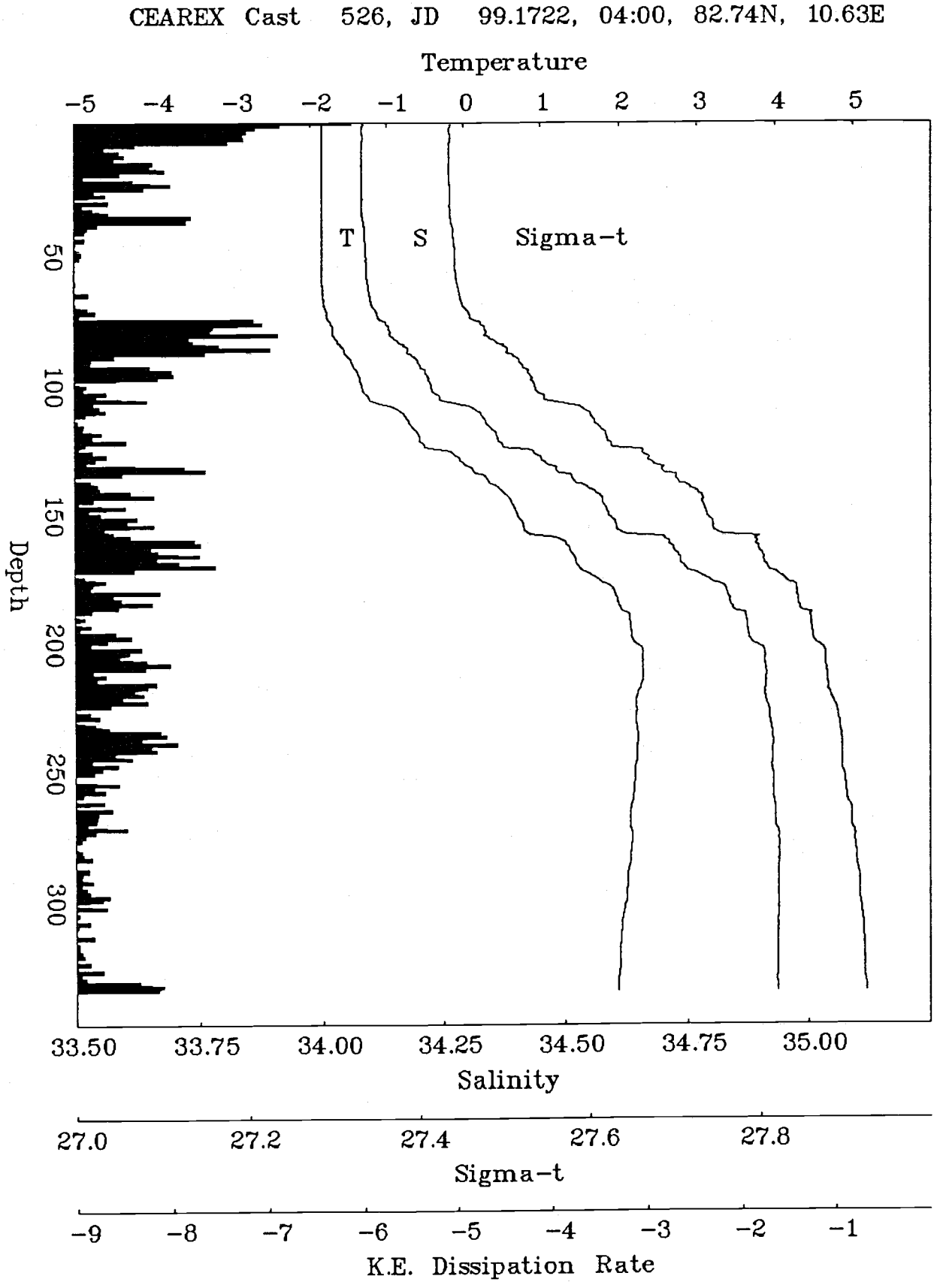

CEAREX Cast 472, JD 98.3339, 07:53, 82.76N, 10.64E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

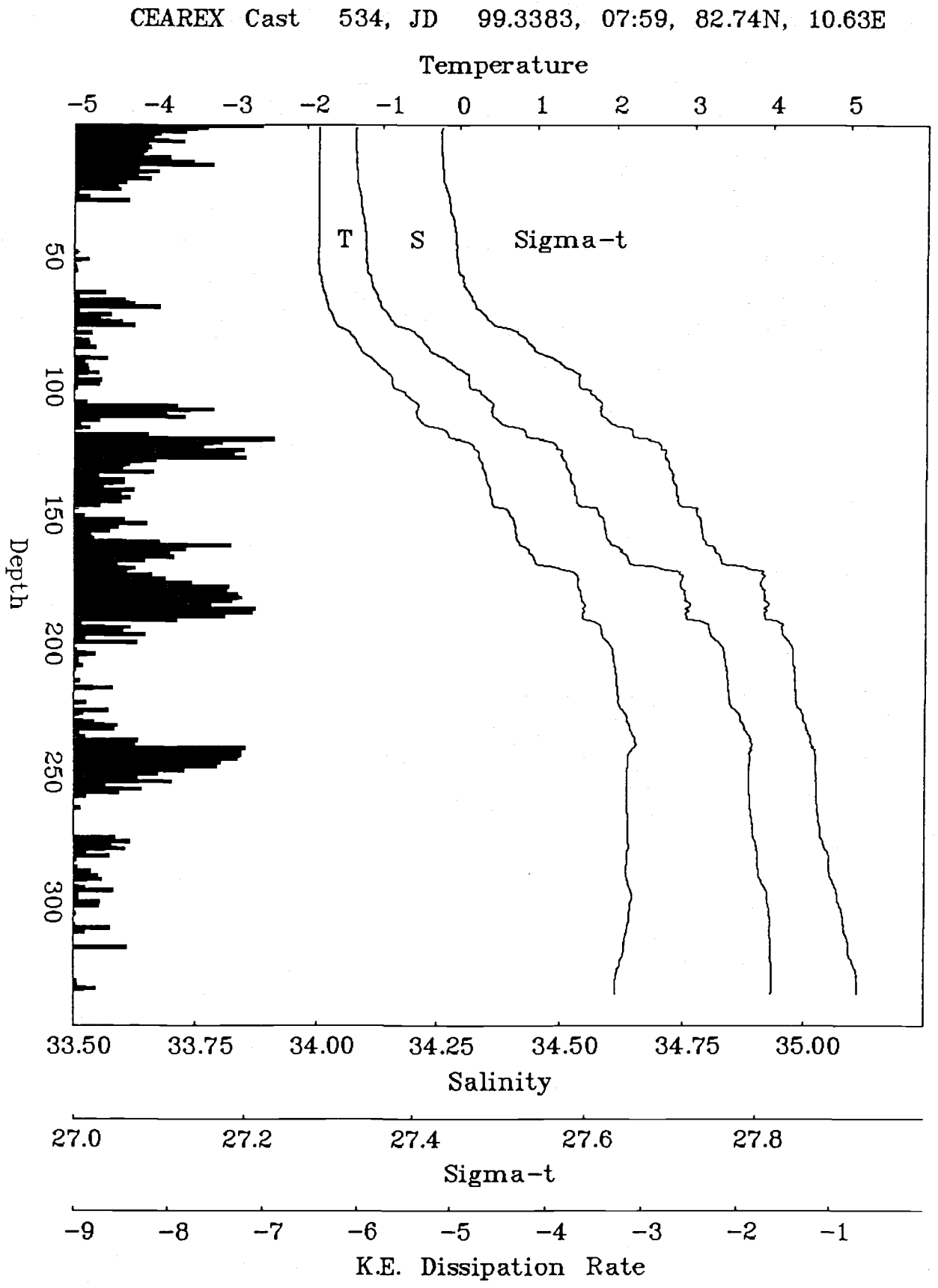

CEAREX Cast 484, JD 98.5048, 11:58, 82.76N, 10.64E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

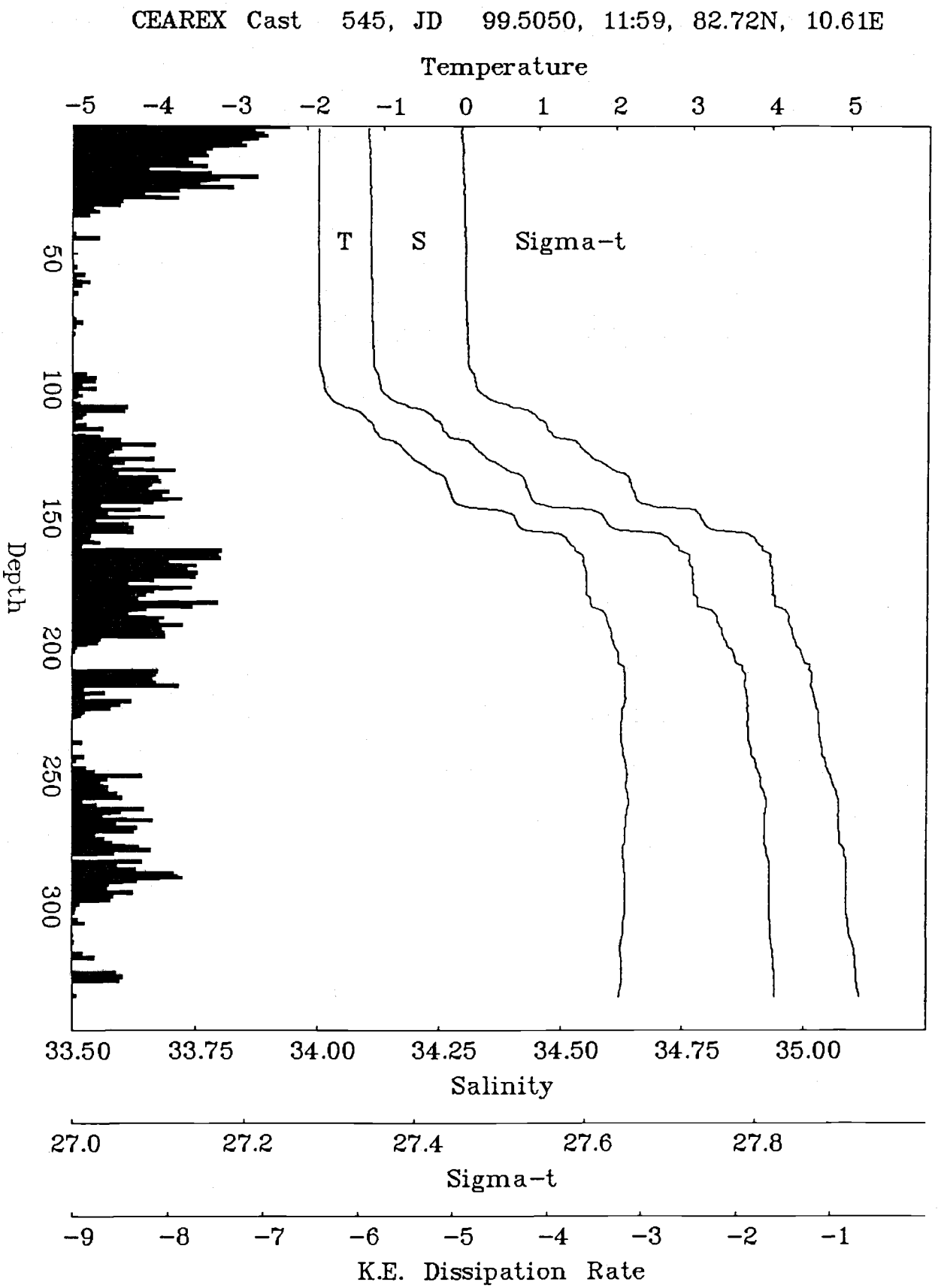

CEAREX Cast 499, JD 98.6787, 16:09, 82.75N, 10.66E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

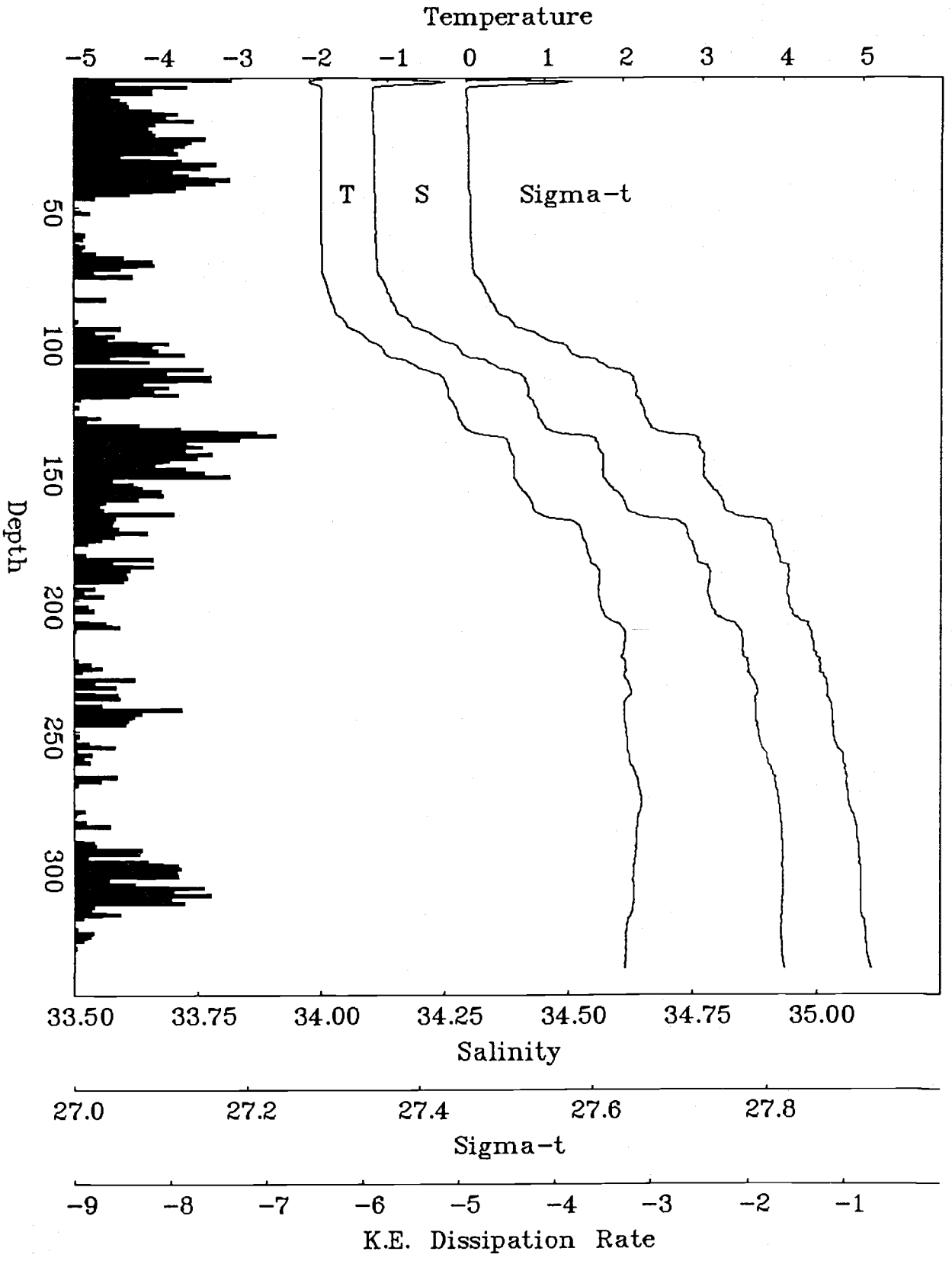

CEAREX Cast 509, JD 98.8383, 19:59, 82.75N, 10.67E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

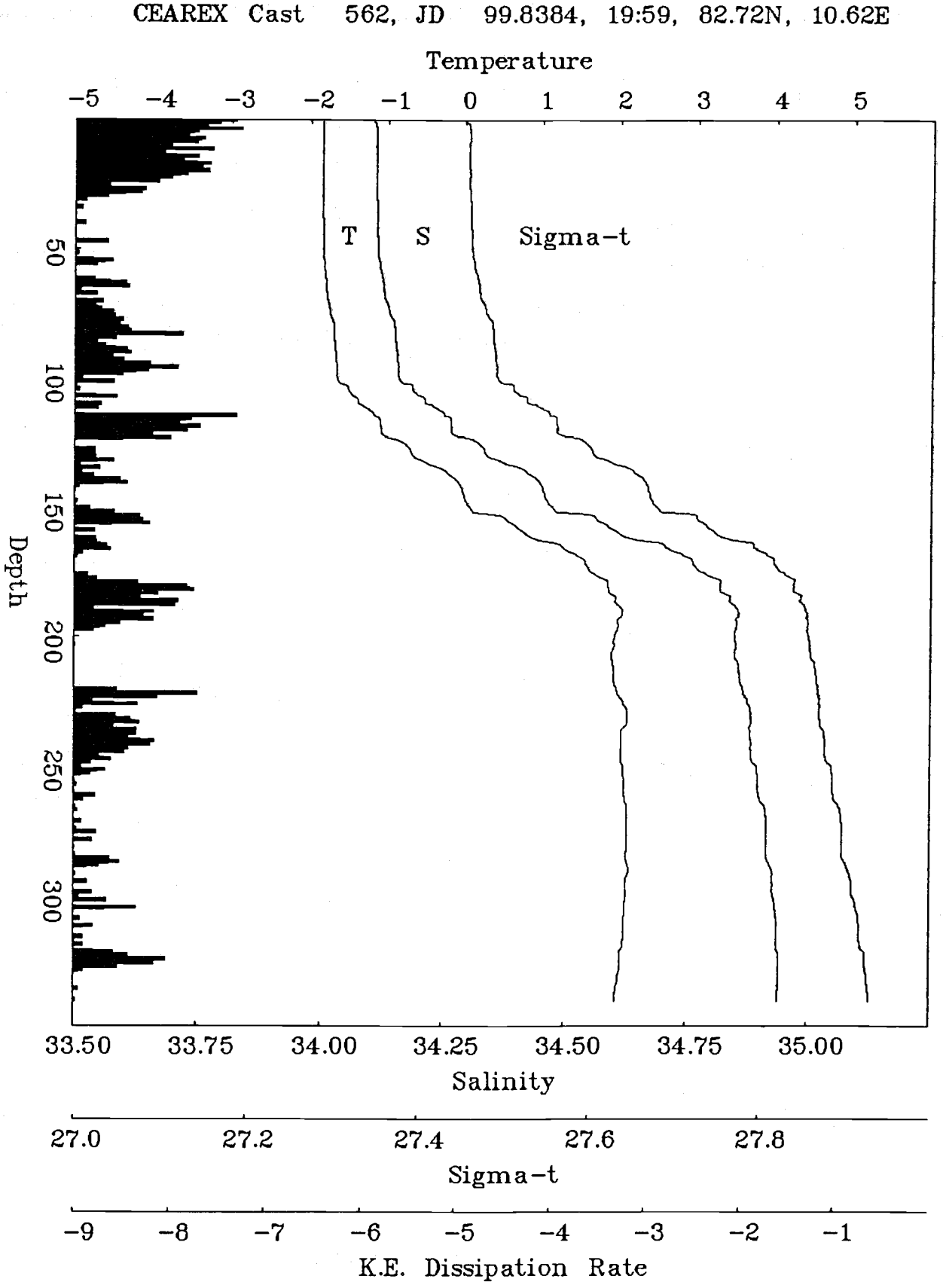

CEAREX Cast 518, JD 99.0056, 00:00, 82.74N, 10.63E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

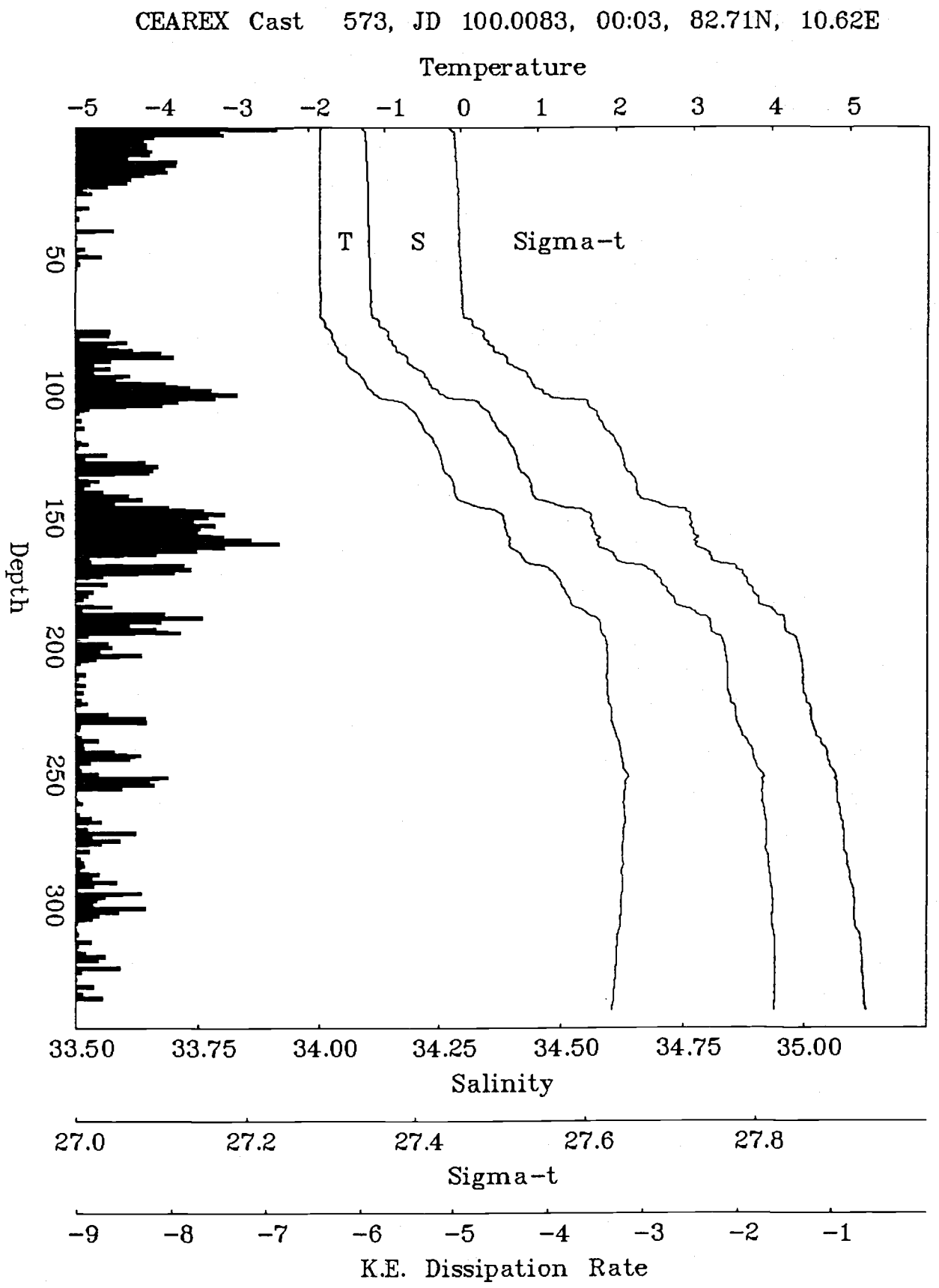

CEAREX Cast 526, JD 99.1722, 04:00, 82.74N, 10.63E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

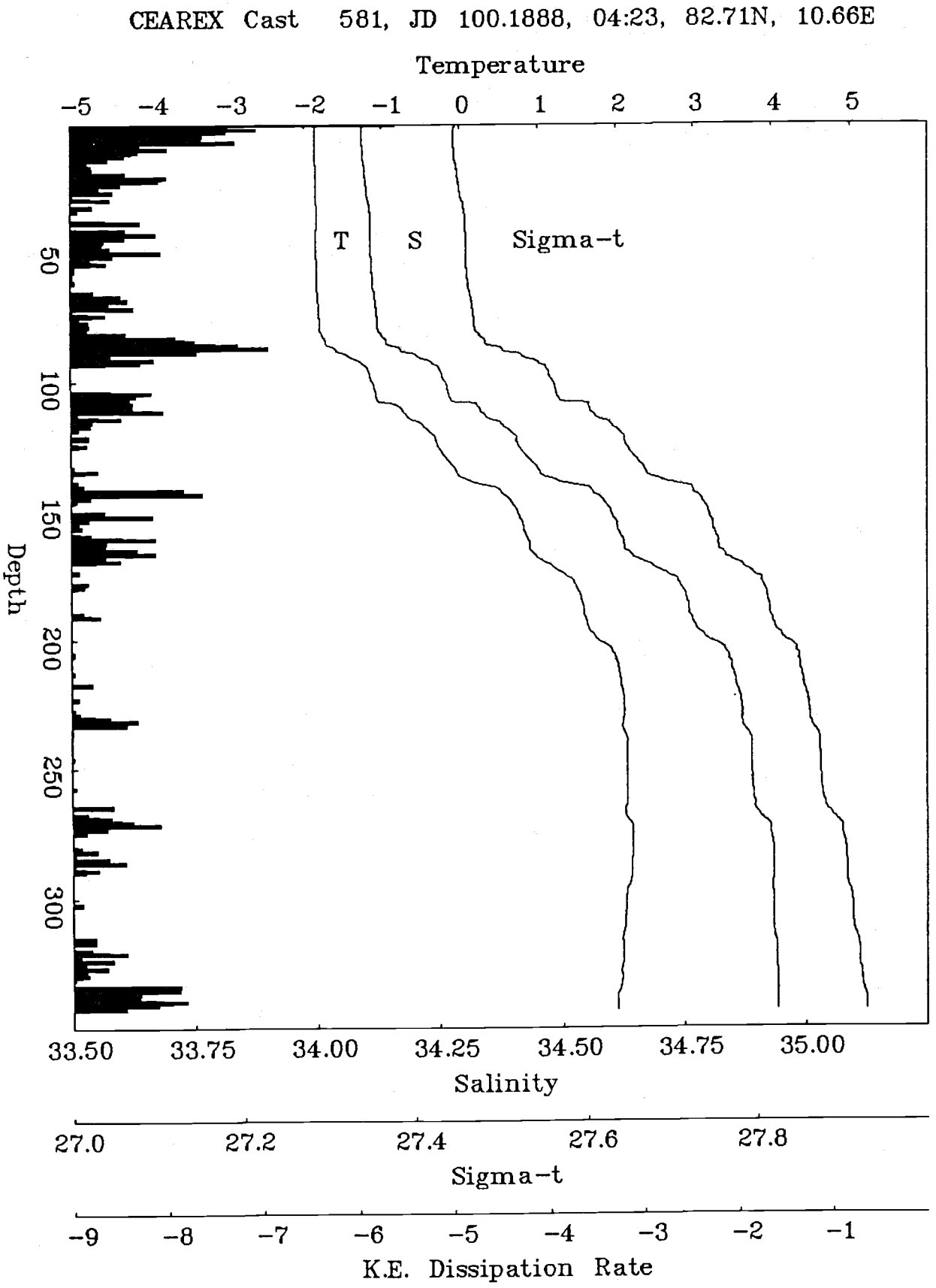

CEAREX Cast 534, JD 99.3383, 07:59, 82.74N, 10.63E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

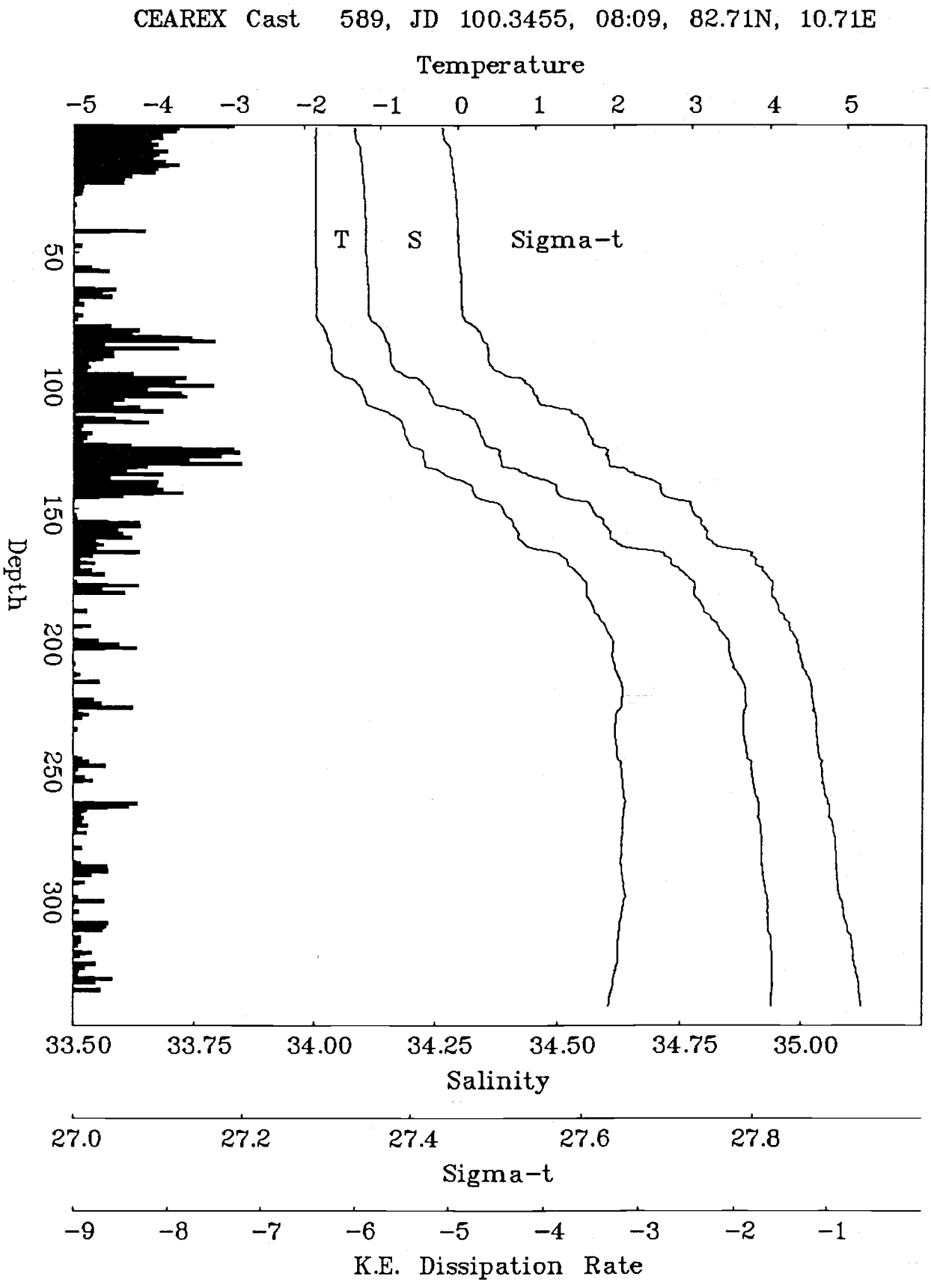

CEAREX Cast 545, JD 99.5050, 11:59, 82.72N, 10.61E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

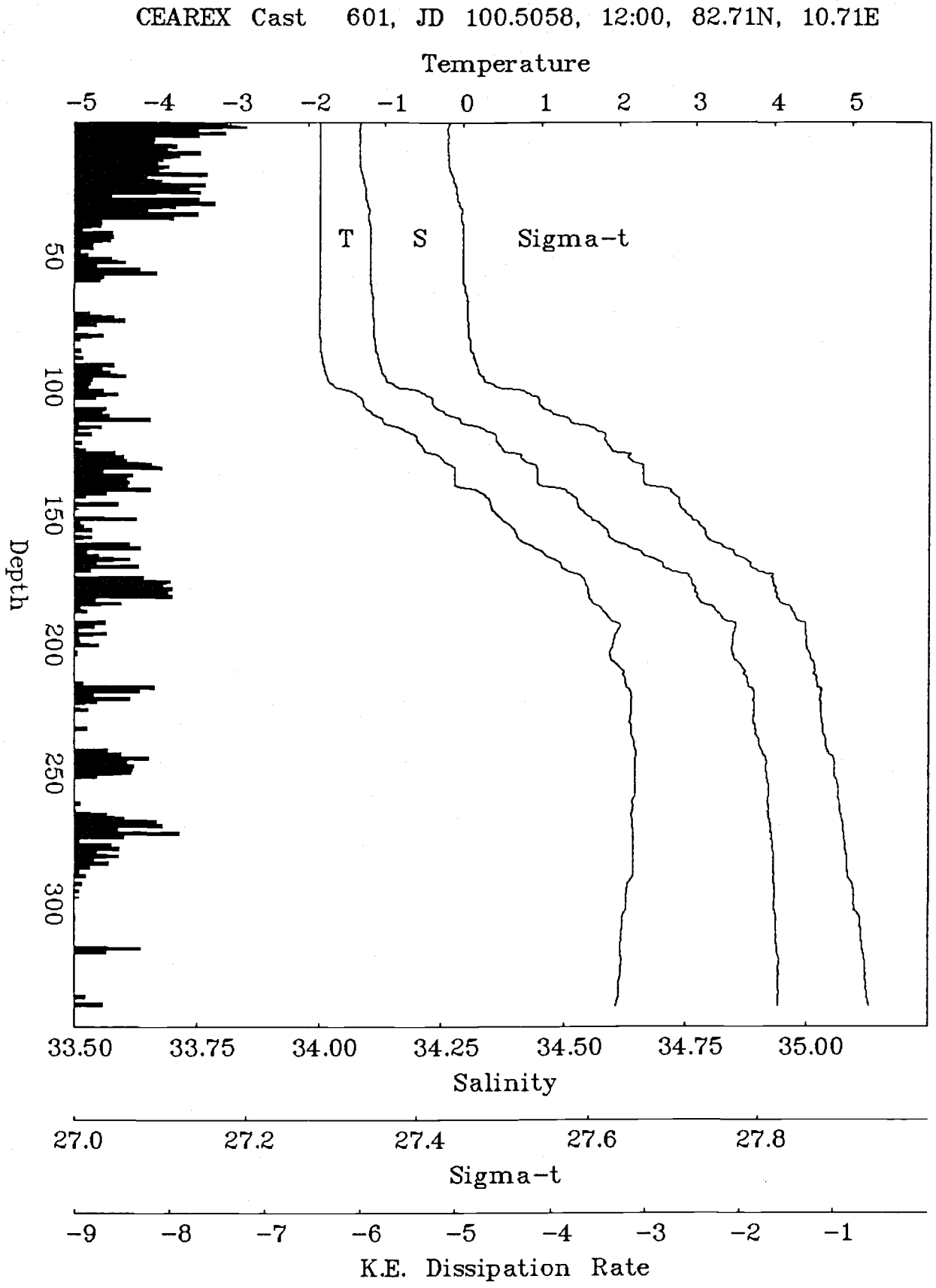

CEAREX Cast 554, JD 99.6717, 15:59, 82.72N, 10.61E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

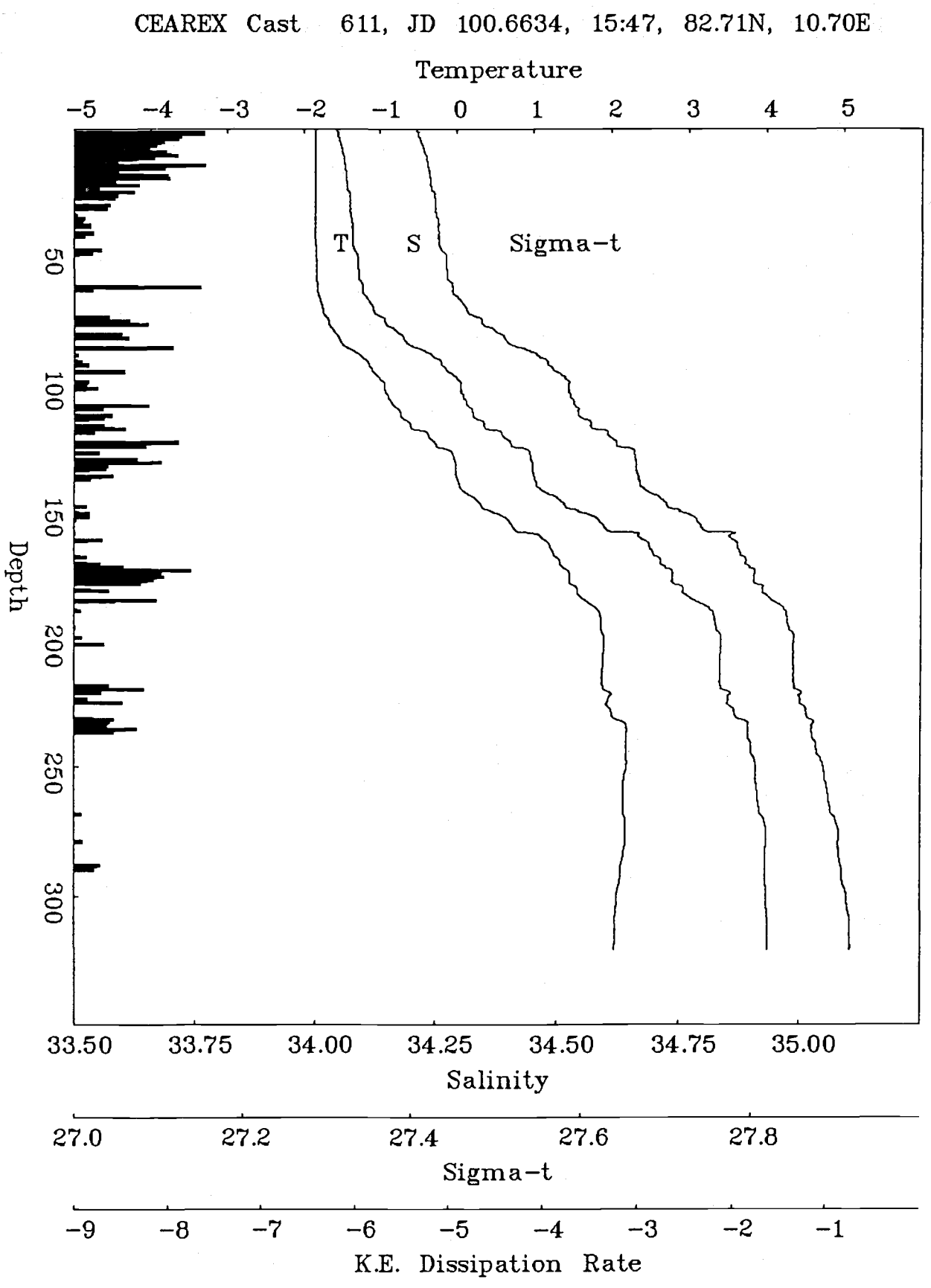

CEAREX Cast 562, JD 99.8384, 19:59, 82.72N, 10.62E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

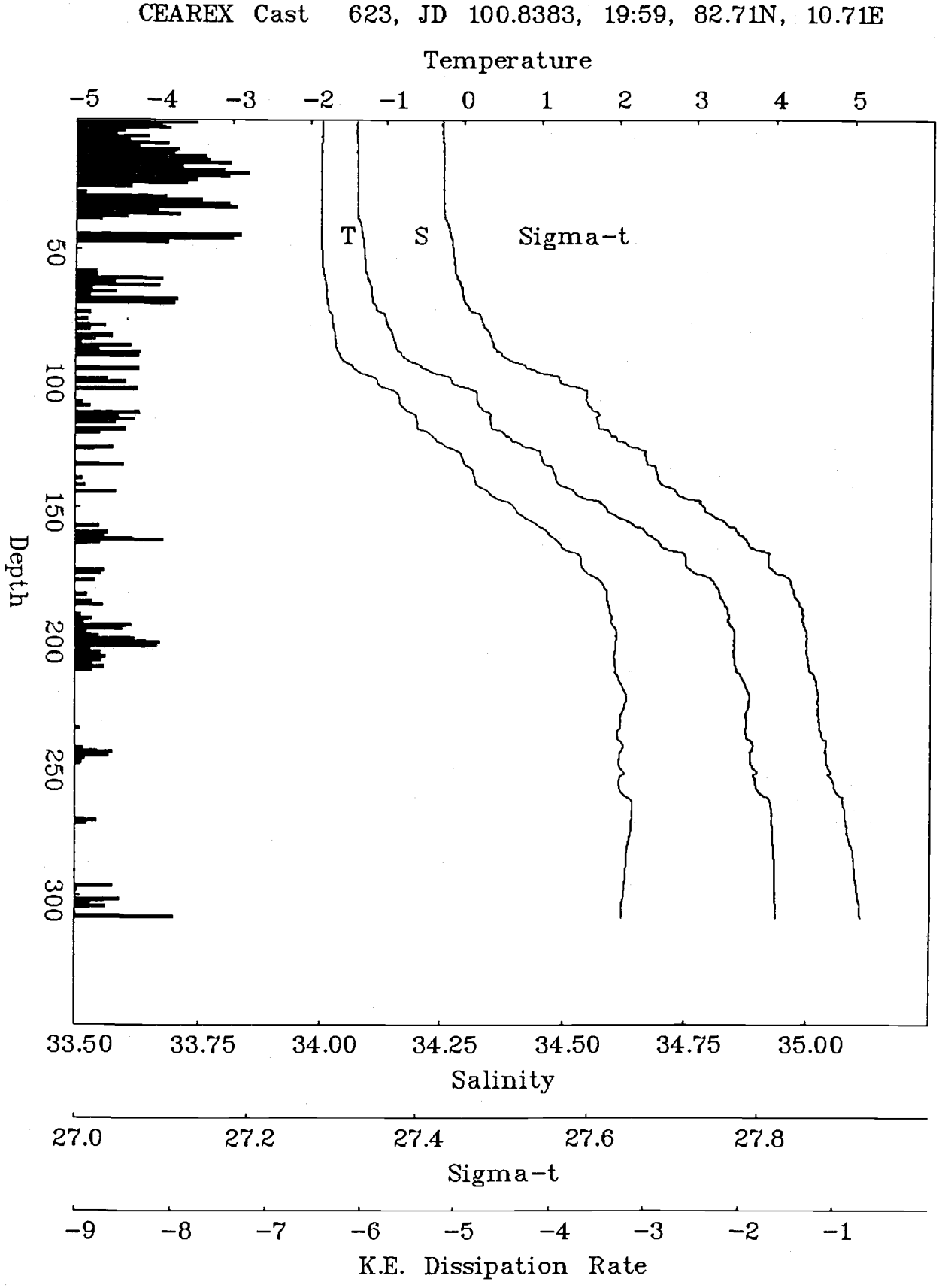

CEAREX Cast 573, JD 100.0083, 00:03, 82.71N, 10.62E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

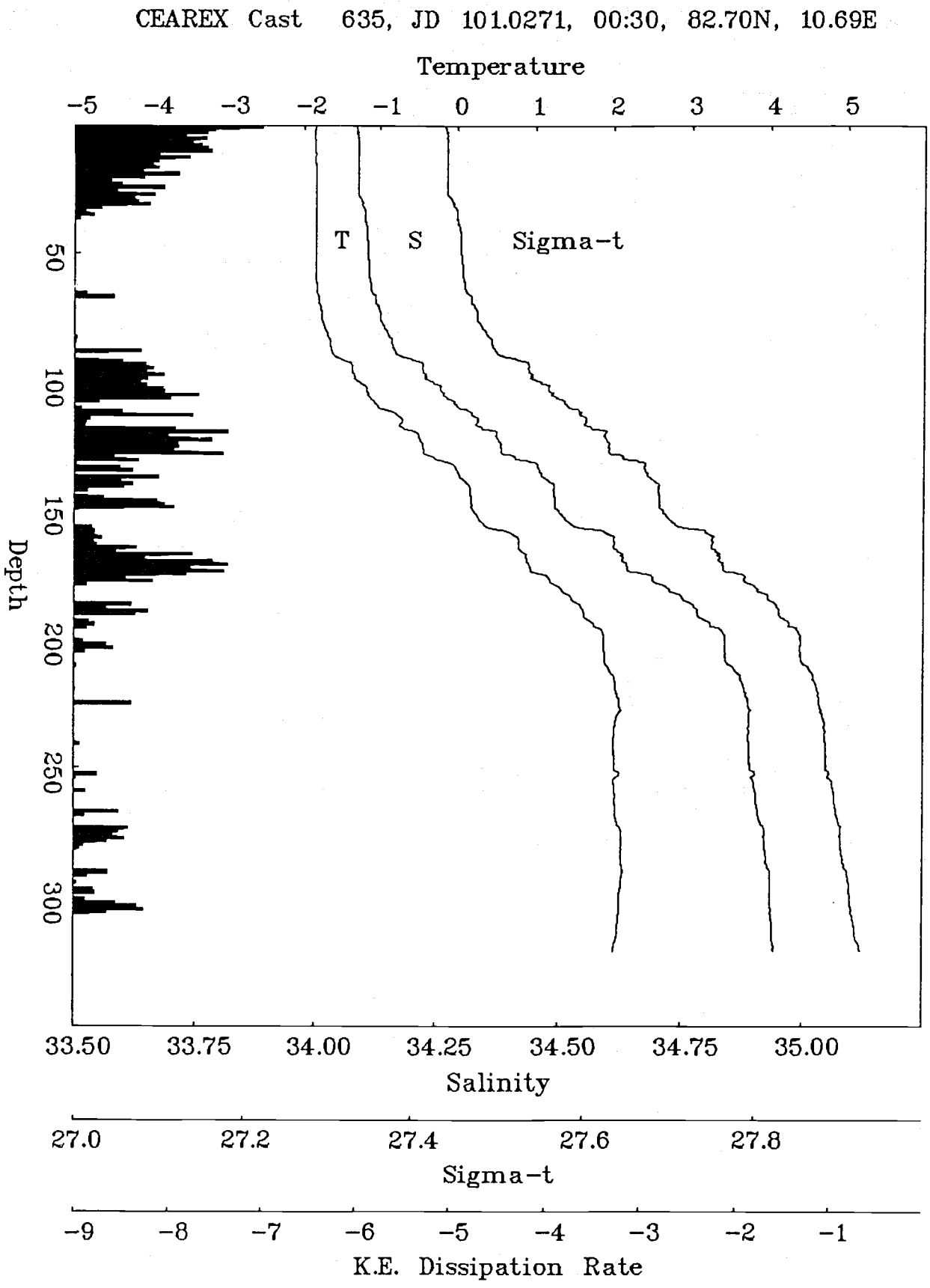

CEAREX Cast 581, JD 100.1888, 04:23, 82.71N, 10.66E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

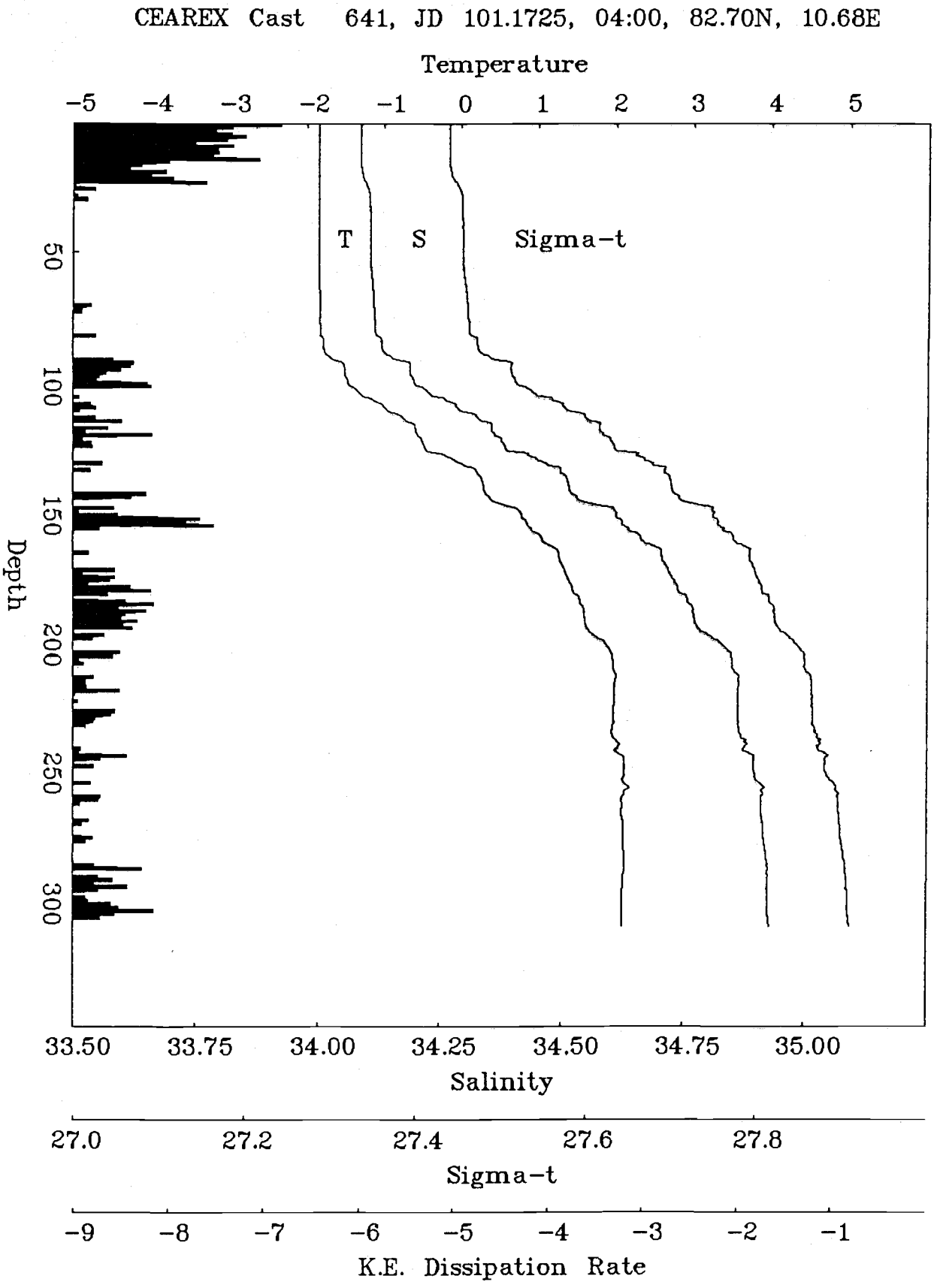

CEAREX Cast 589, JD 100.3455, 08:09, 82.71N, 10.71E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

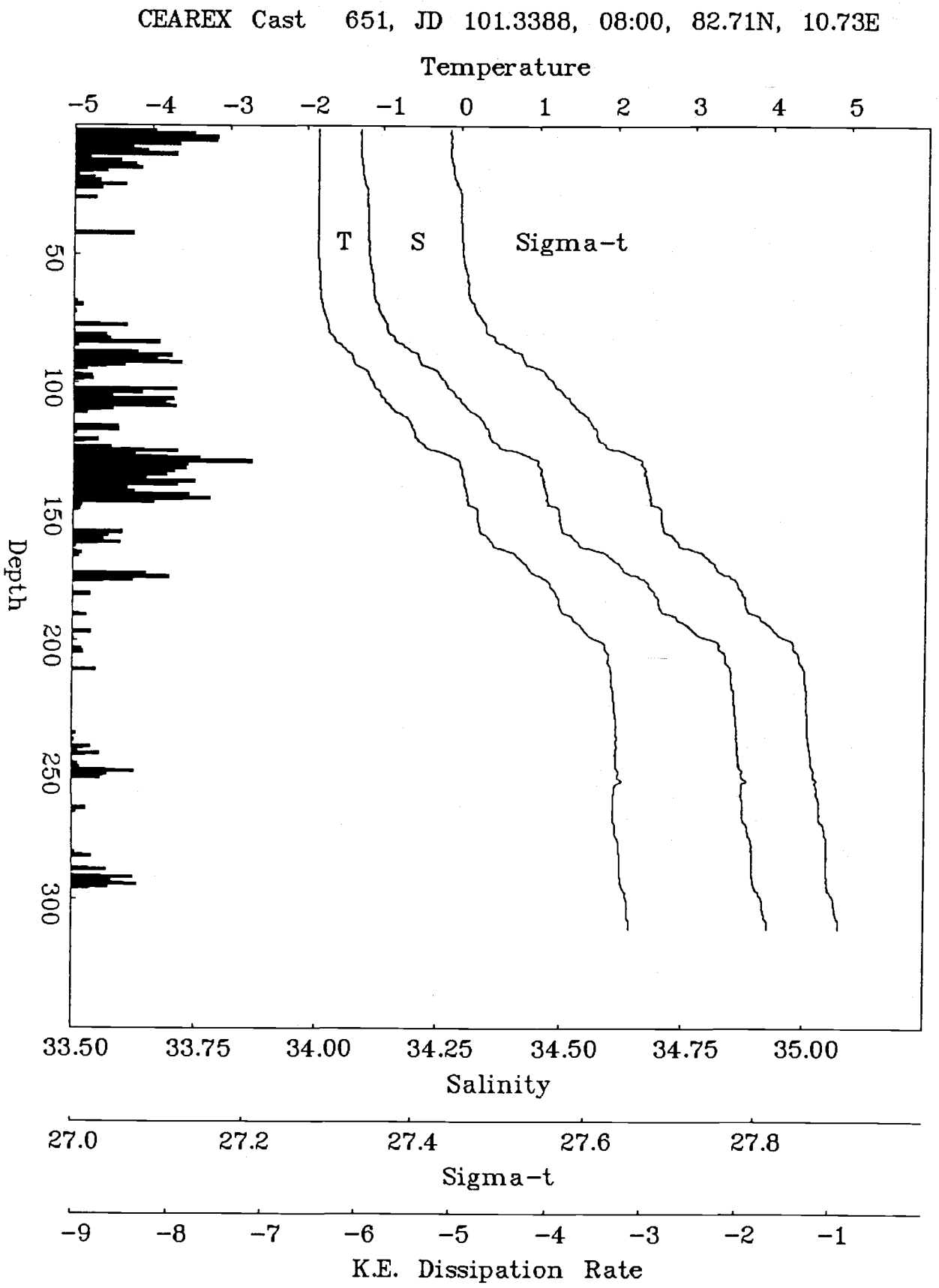

CEAREX Cast 601, JD 100.5058, 12:00, 82.71N, 10.71E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

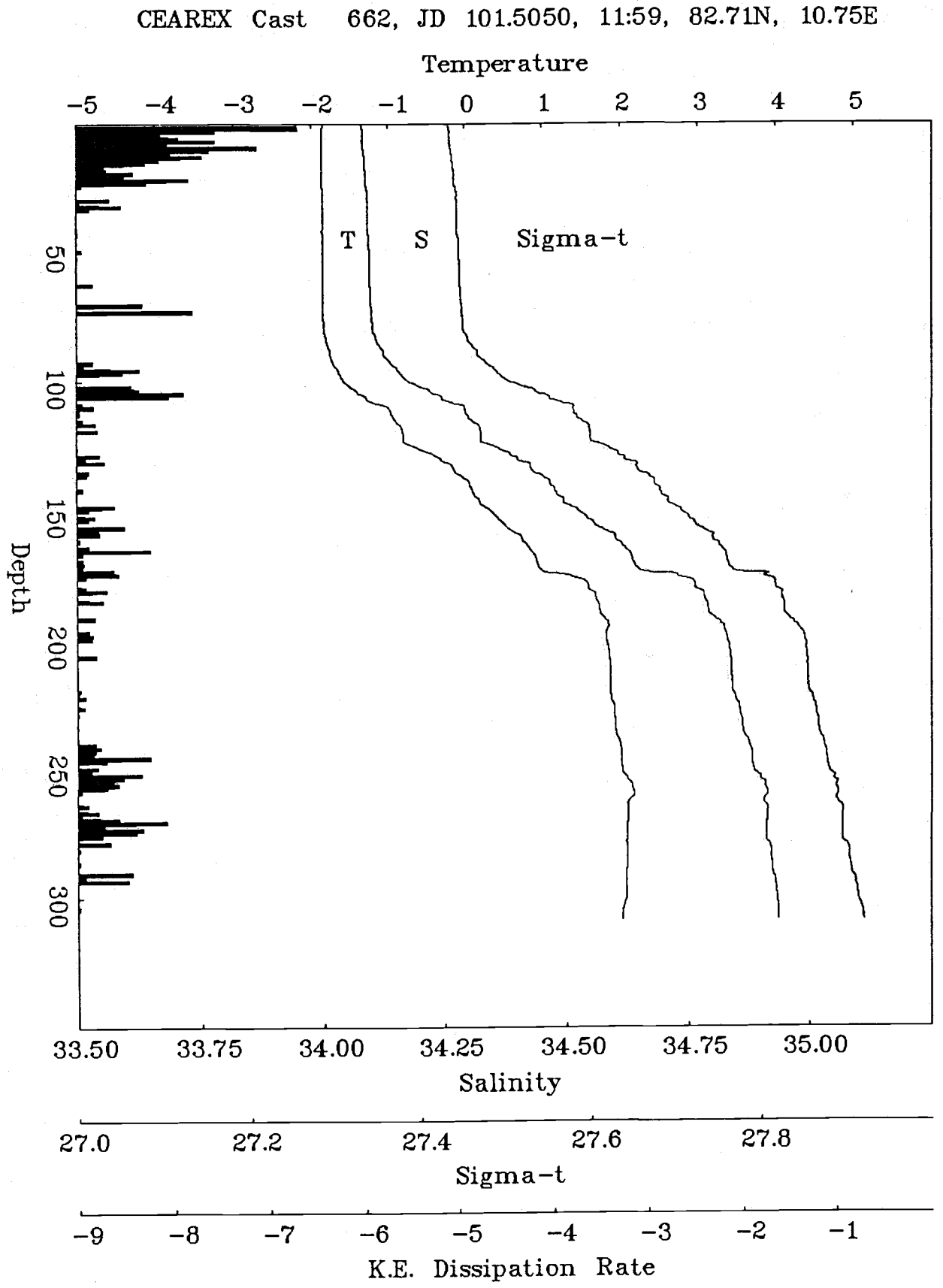

CEAREX Cast 611, JD 100.6634, 15:47, 82.71N, 10.70E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

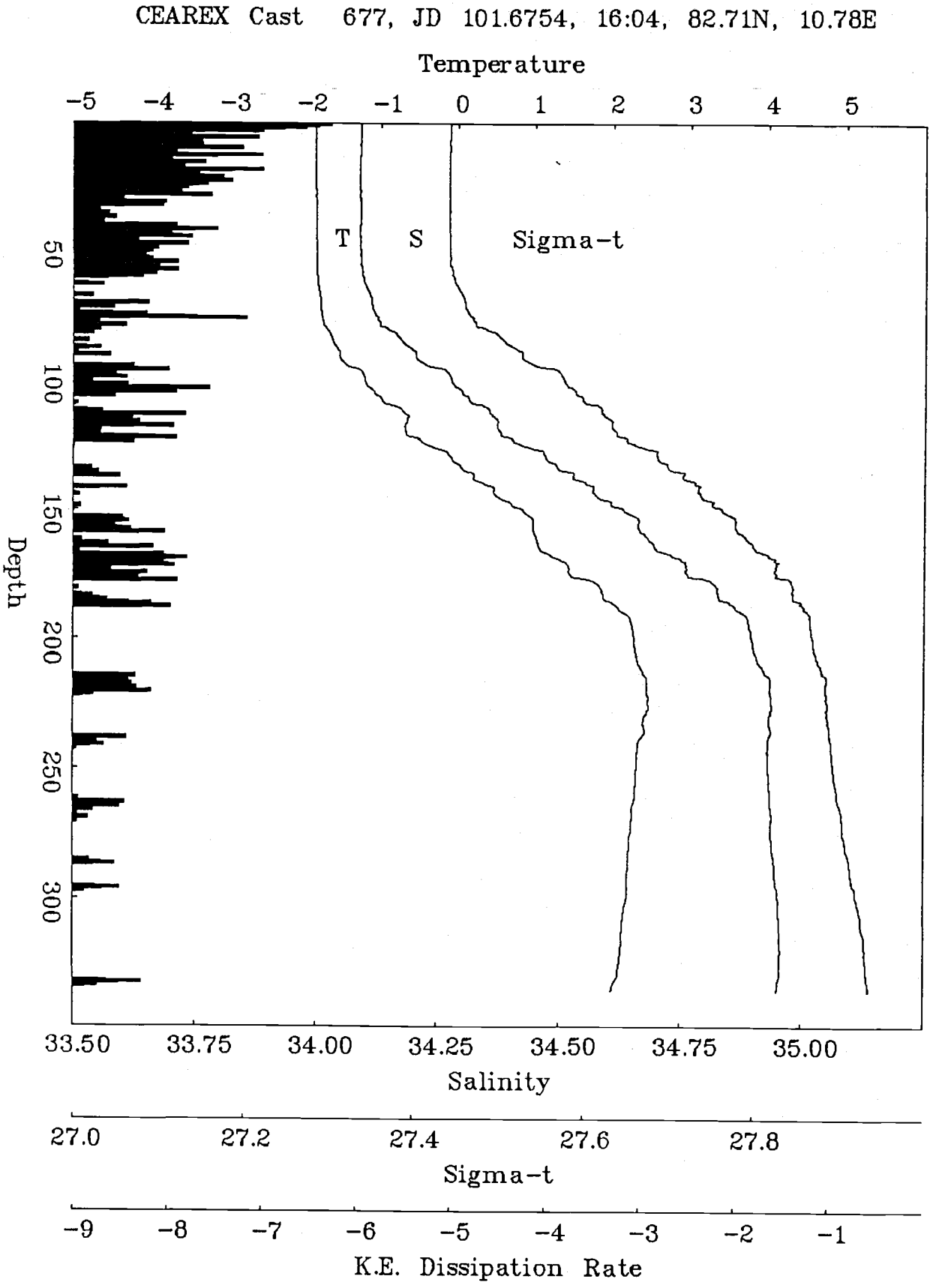

CEAREX Cast 623, JD 100.8383, 19:59, 82.71N, 10.71E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

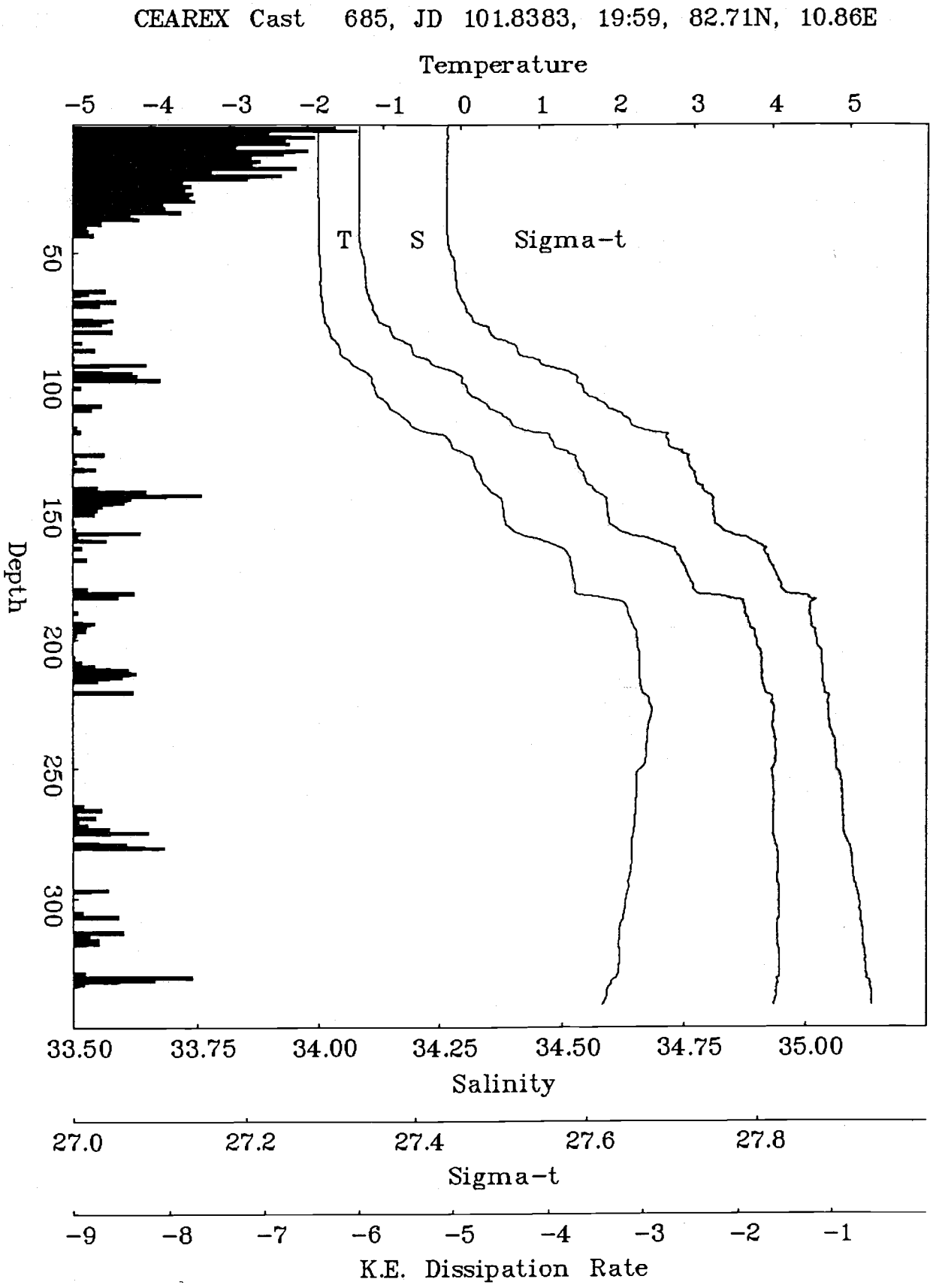

CEAREX Cast 635, JD 101.0271, 00:30, 82.70N, 10.69E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

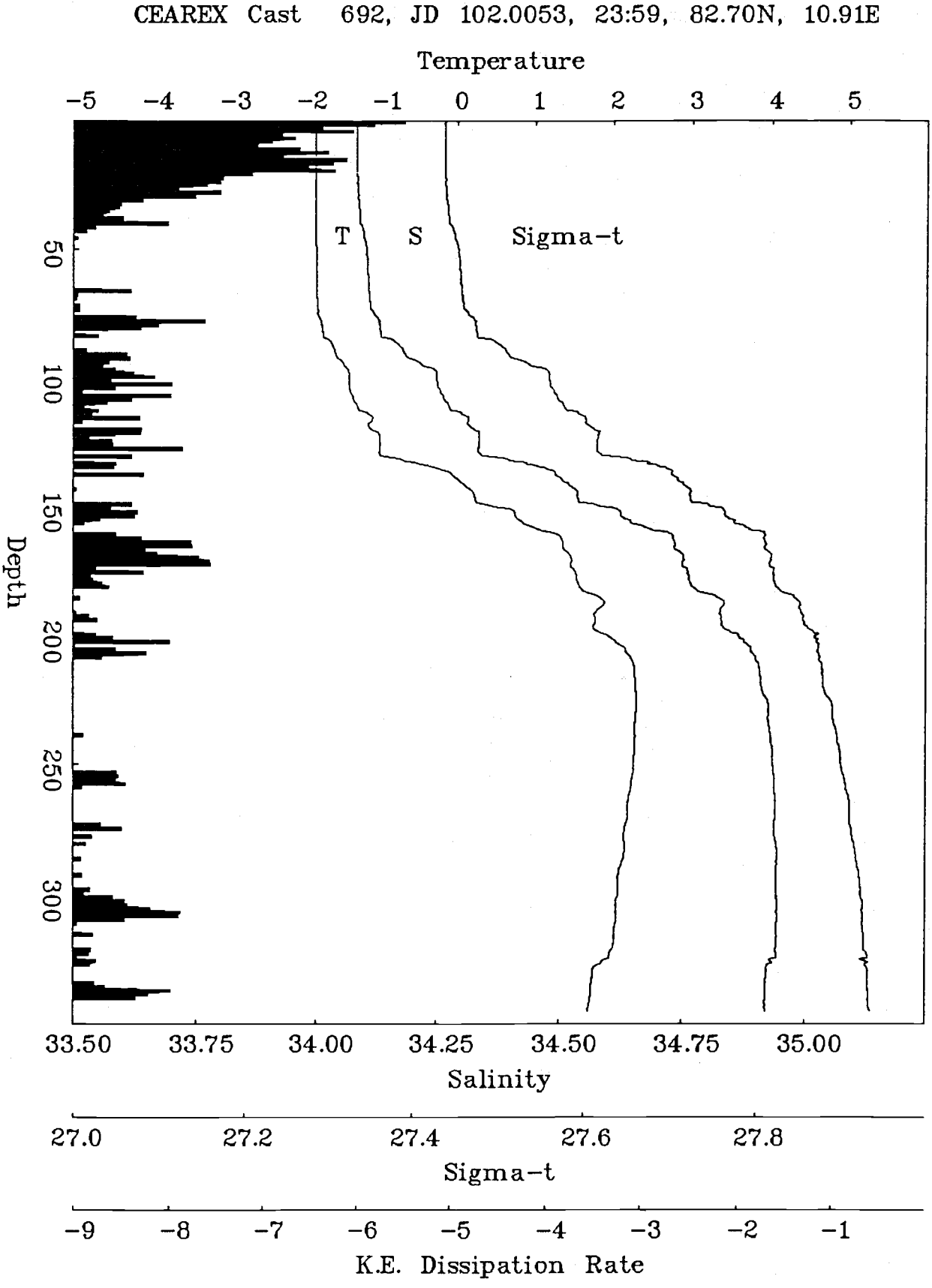

CEAREX Cast 641, JD 101.1725, 04:00, 82.70N, 10.68E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

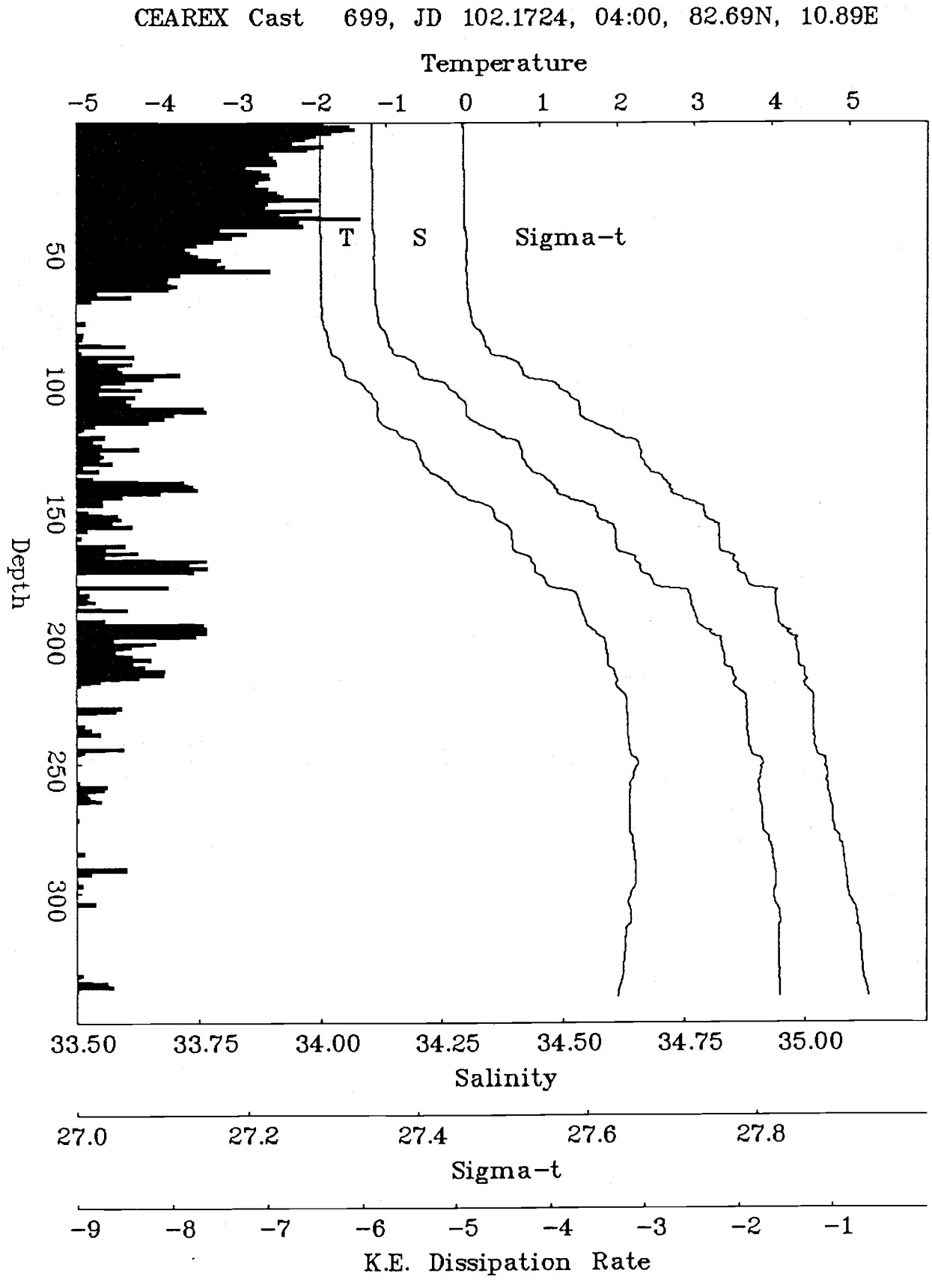

CEAREX Cast 651, JD 101.3388, 08:00, 82.71N, 10.73E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

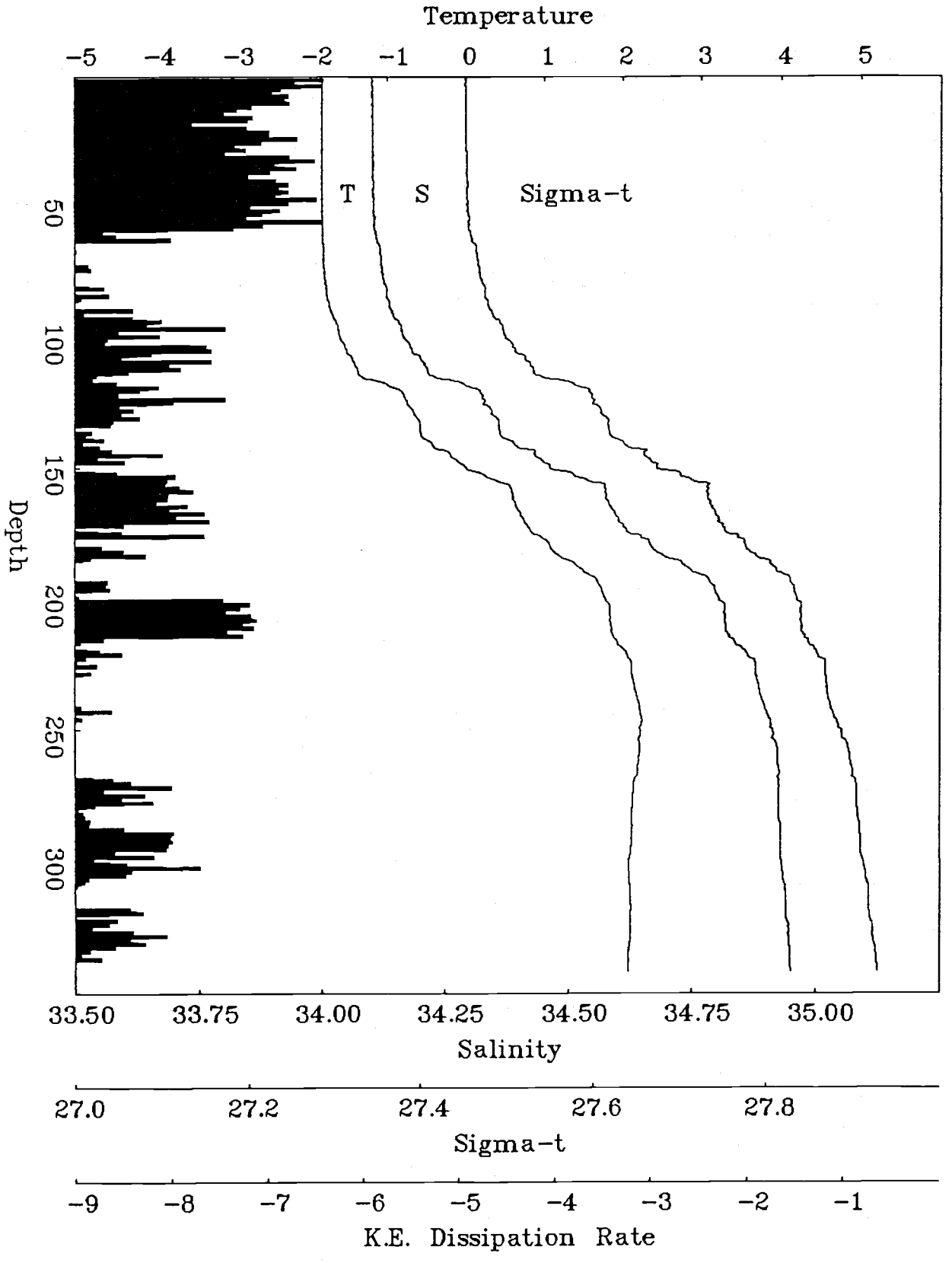

CEAREX Cast 662, JD 101.5050, 11:59, 82.71N, 10.75E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

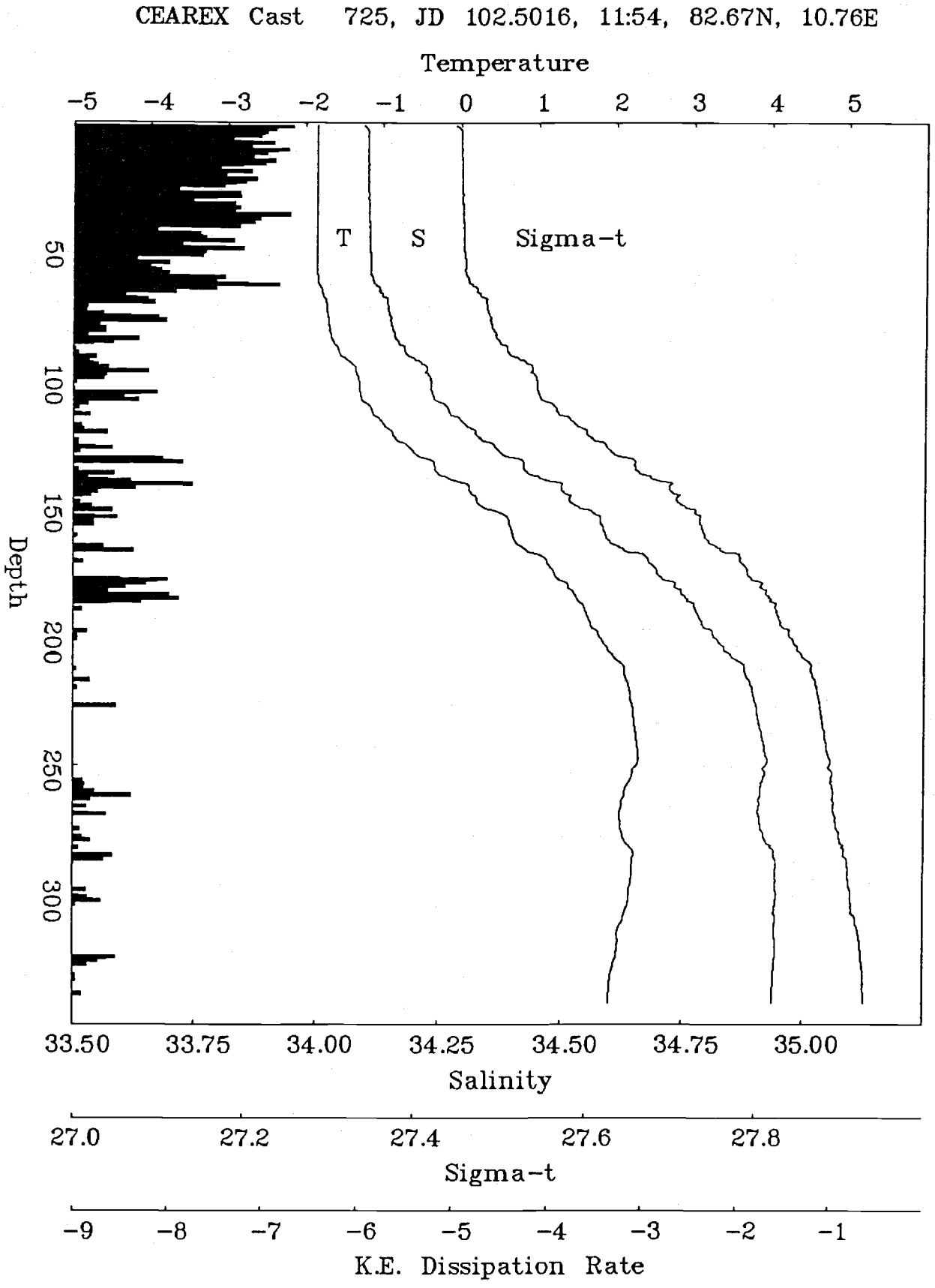

CEAREX Cast 677, JD 101.6754, 16:04, 82.71N, 10.78E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

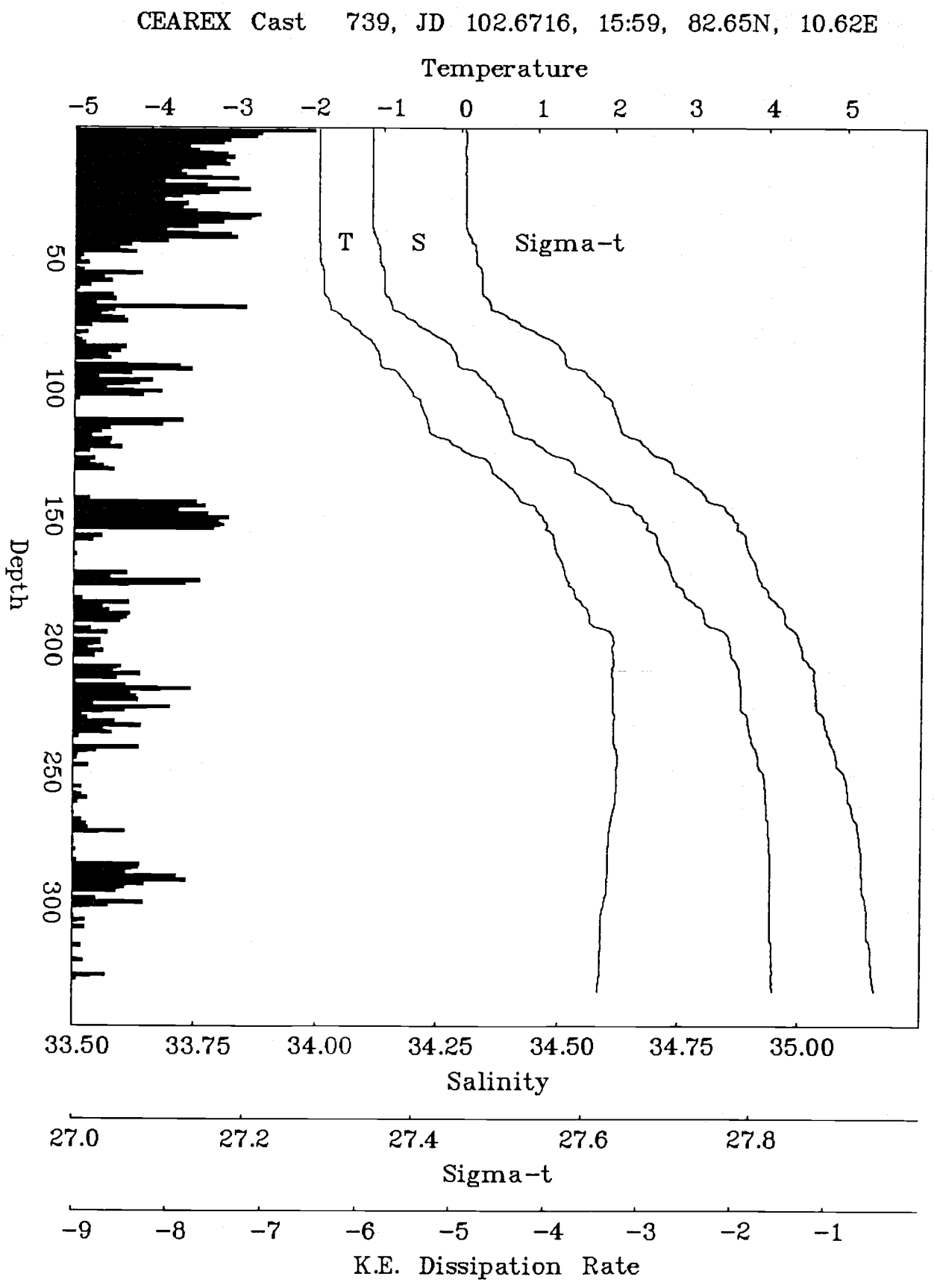

CEAREX Cast 685, JD 101.8383, 19:59, 82.71N, 10.86E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

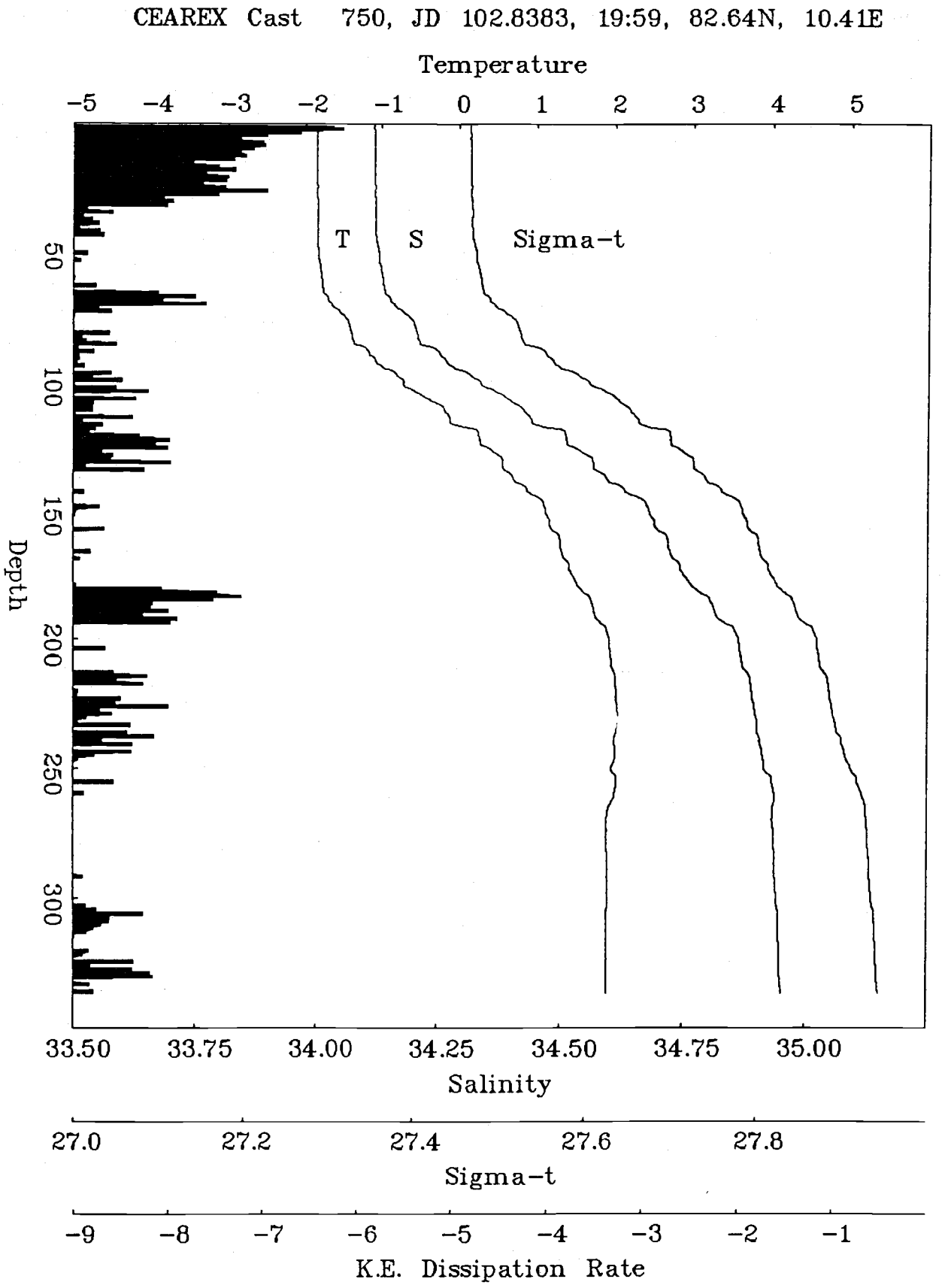

CEAREX Cast 692, JD 102.0053, 23:59, 82.70N, 10.91E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

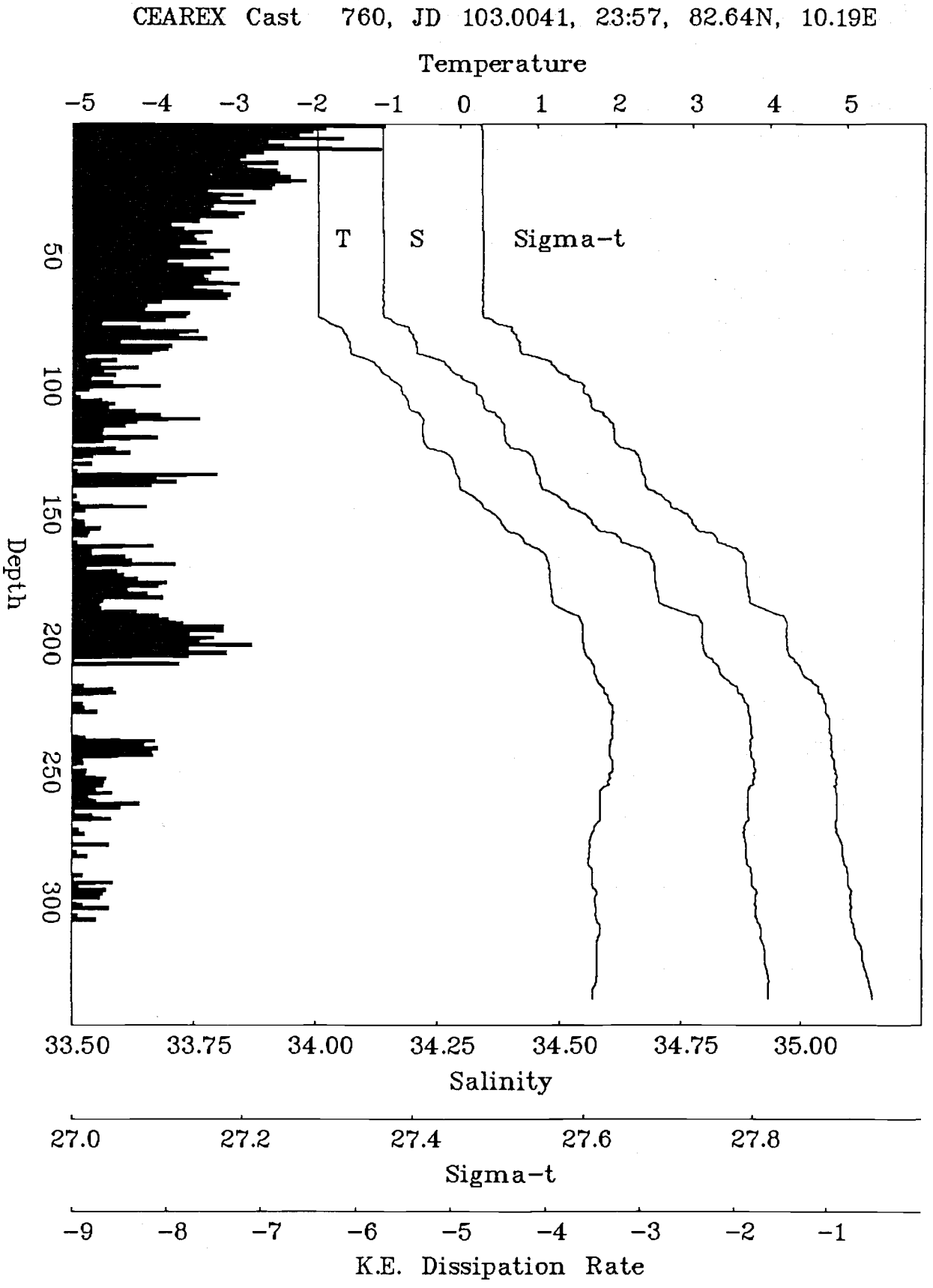

CEAREX Cast 699, JD 102.1724, 04:00, 82.69N, 10.89E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

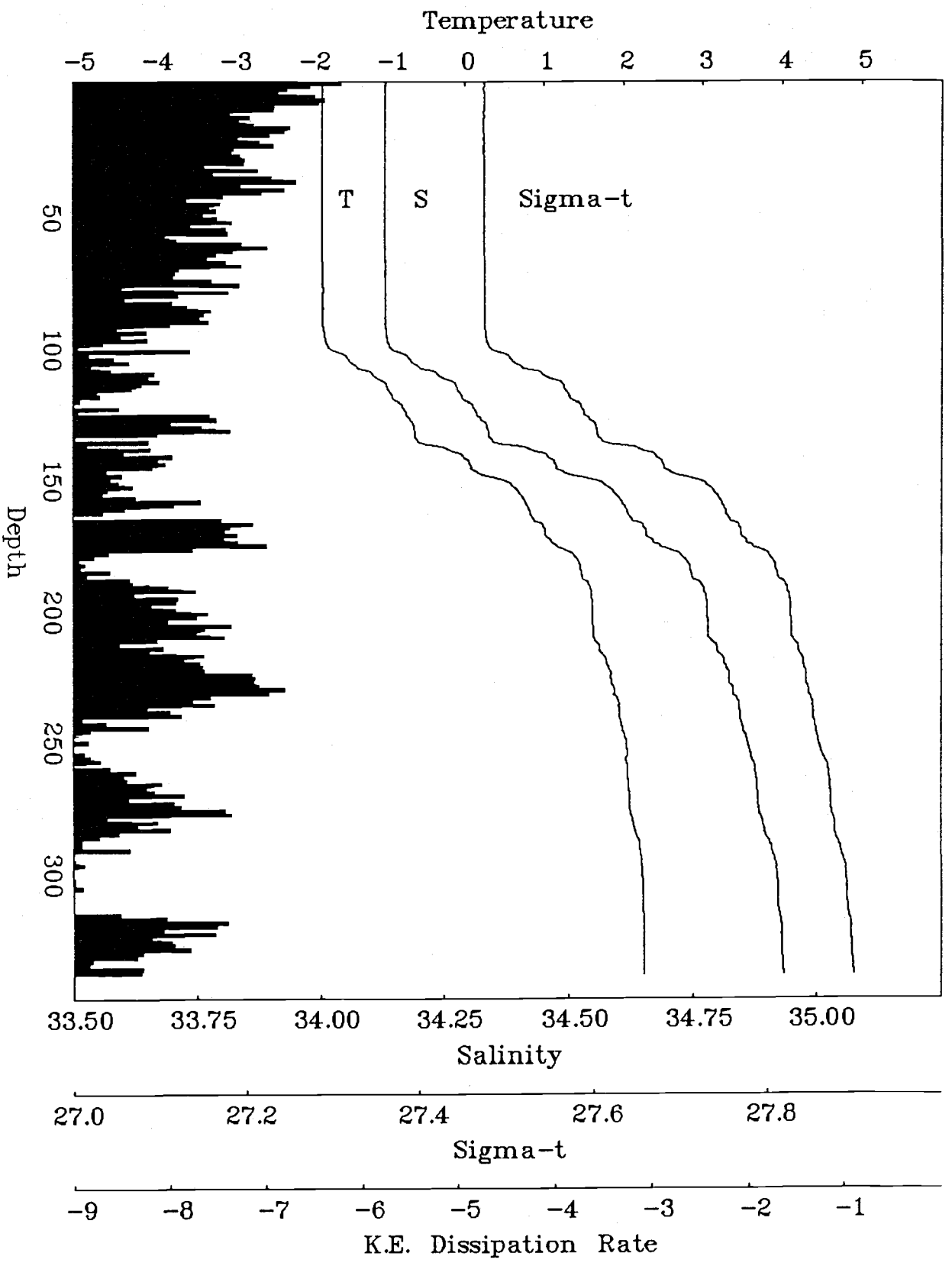

CEAREX Cast 712, JD 102.3440, 08:07, 82.68N, 10.84E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

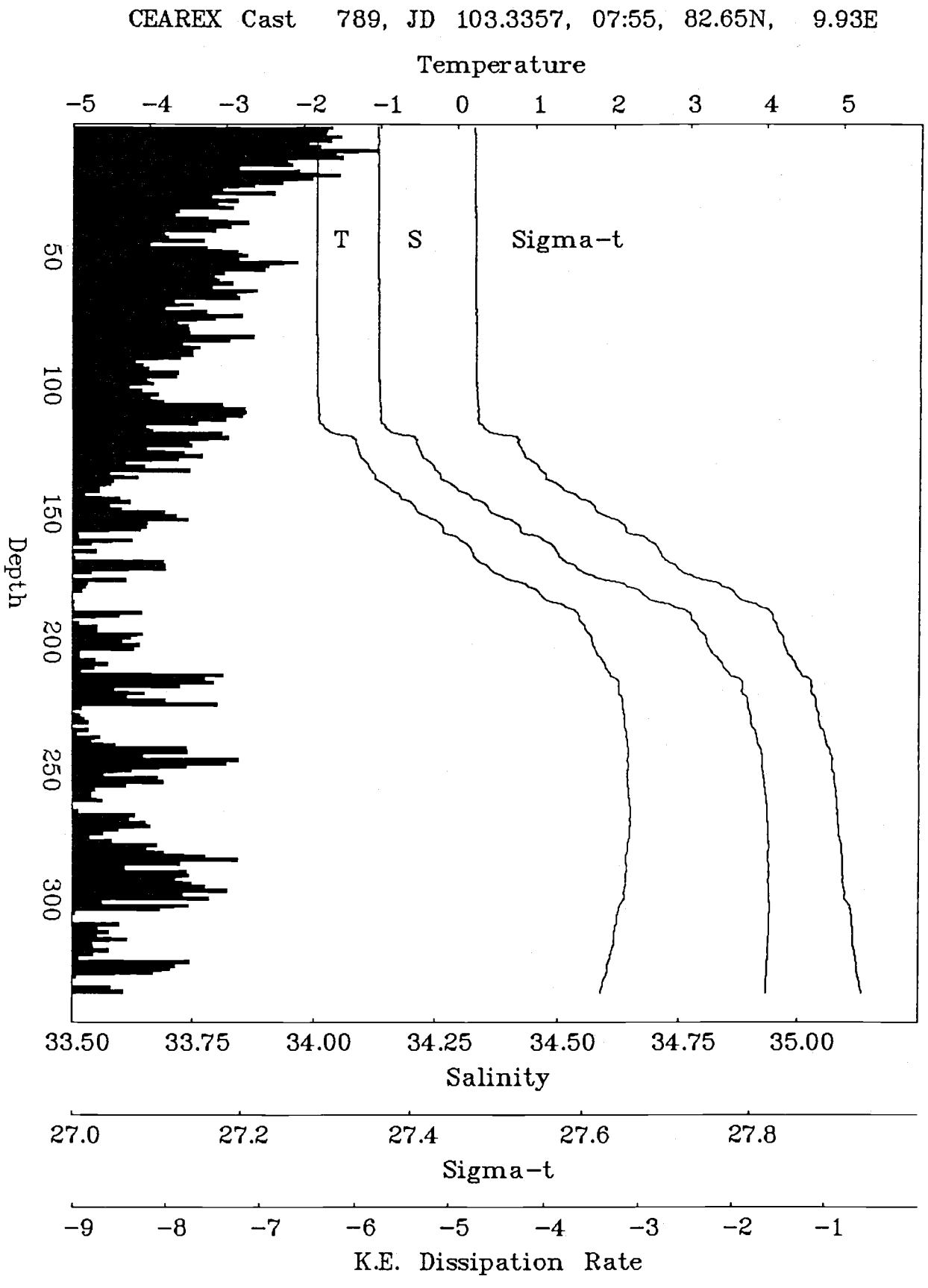

CEAREX Cast 725, JD 102.5016, 11:54, 82.67N, 10.76E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

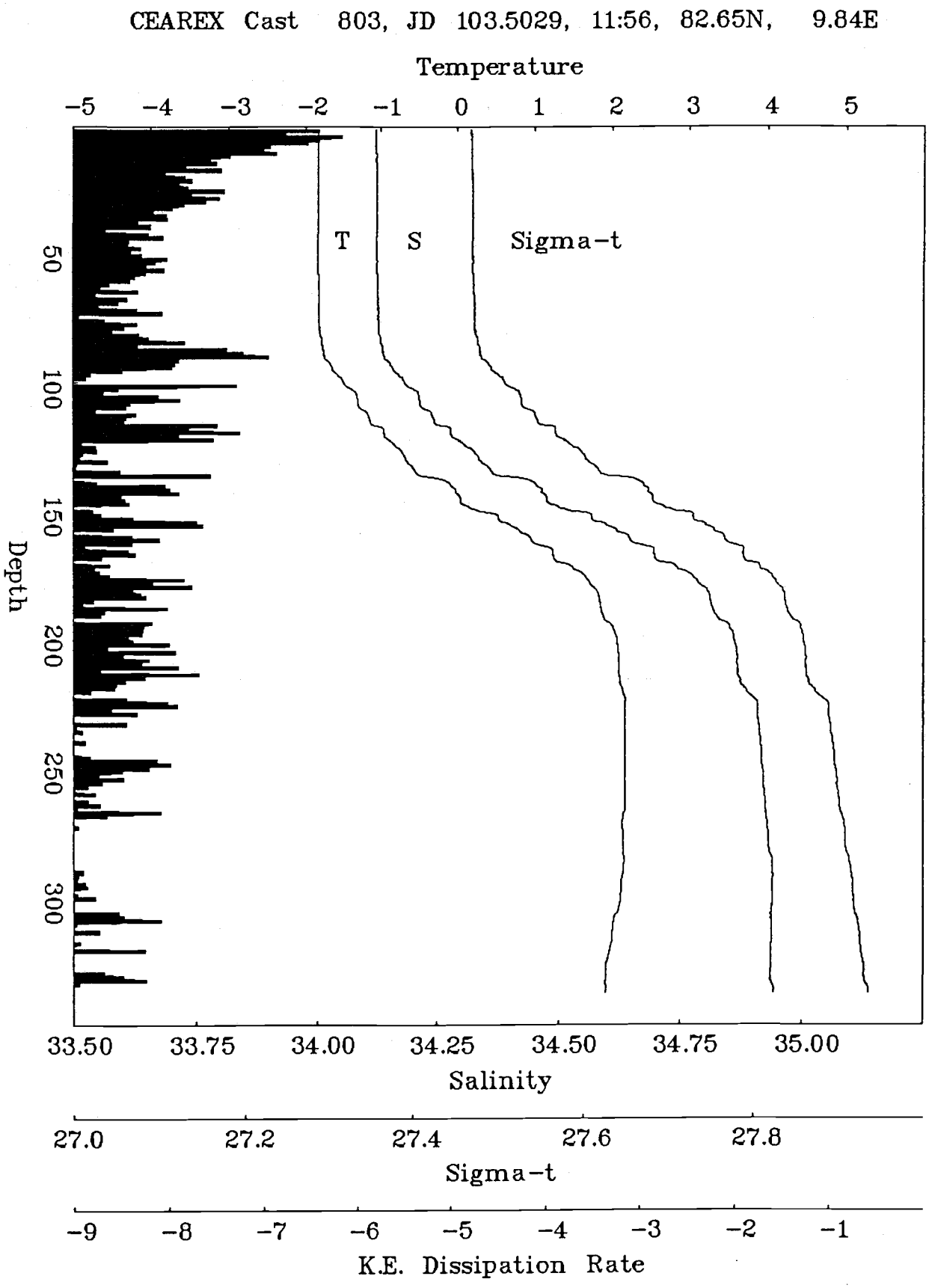

CEAREX Cast 739, JD 102.6716, 15:59, 82.65N, 10.62E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

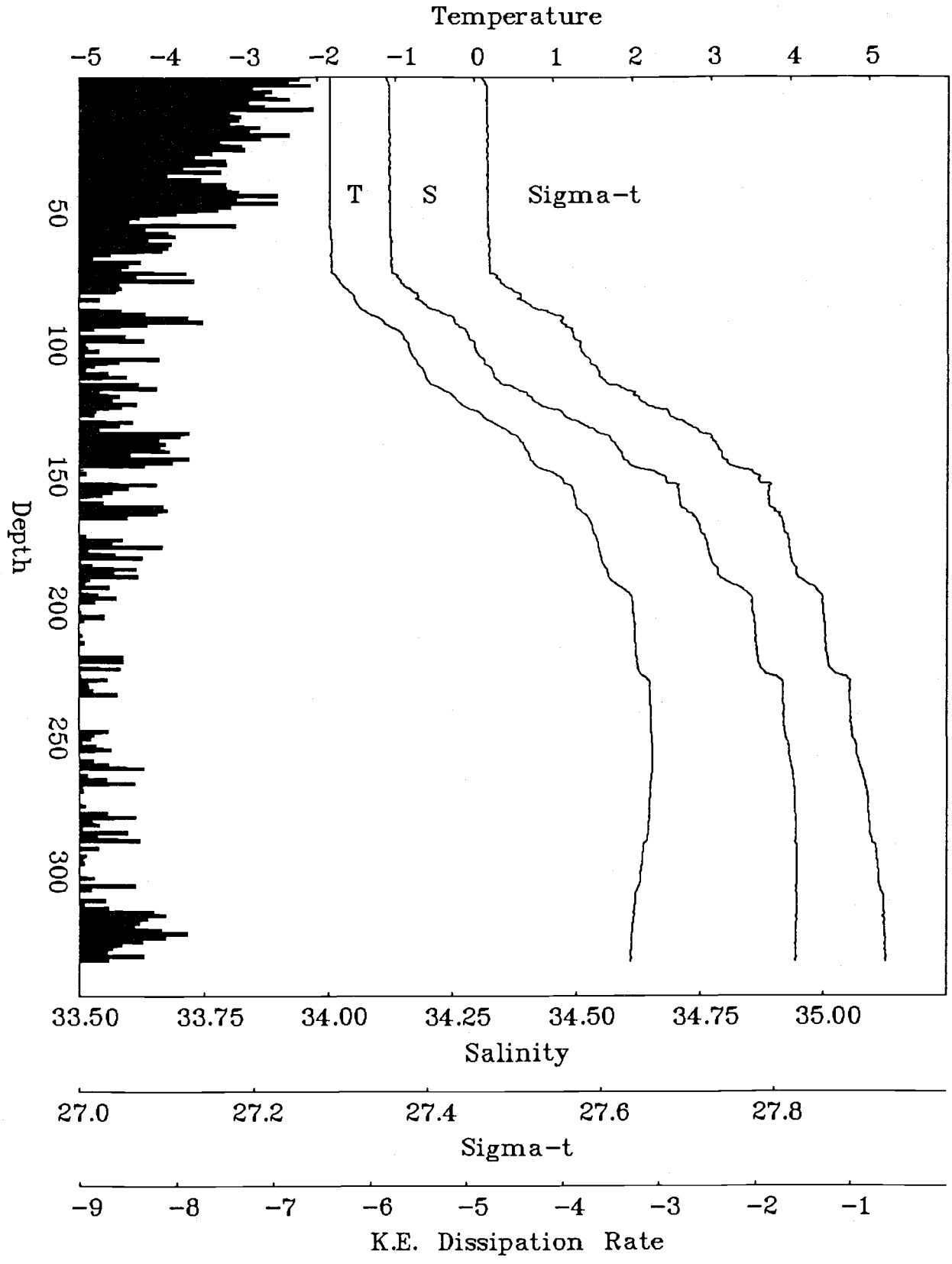

CEAREX Cast 750, JD 102.8383, 19:59, 82.64N, 10.41E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

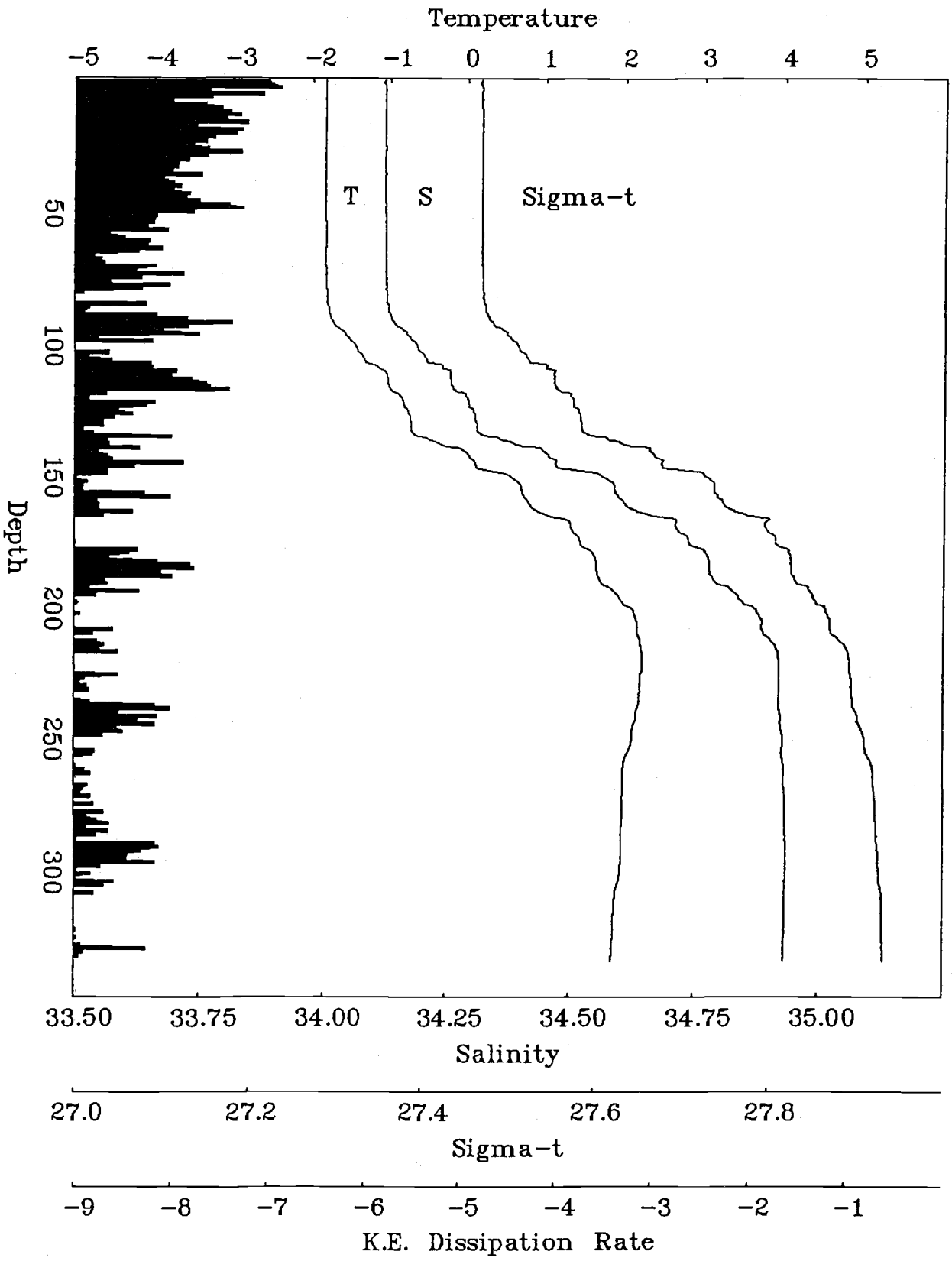

CEAREX Cast 760, JD 103.0041, 23:57, 82.64N, 10.19E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

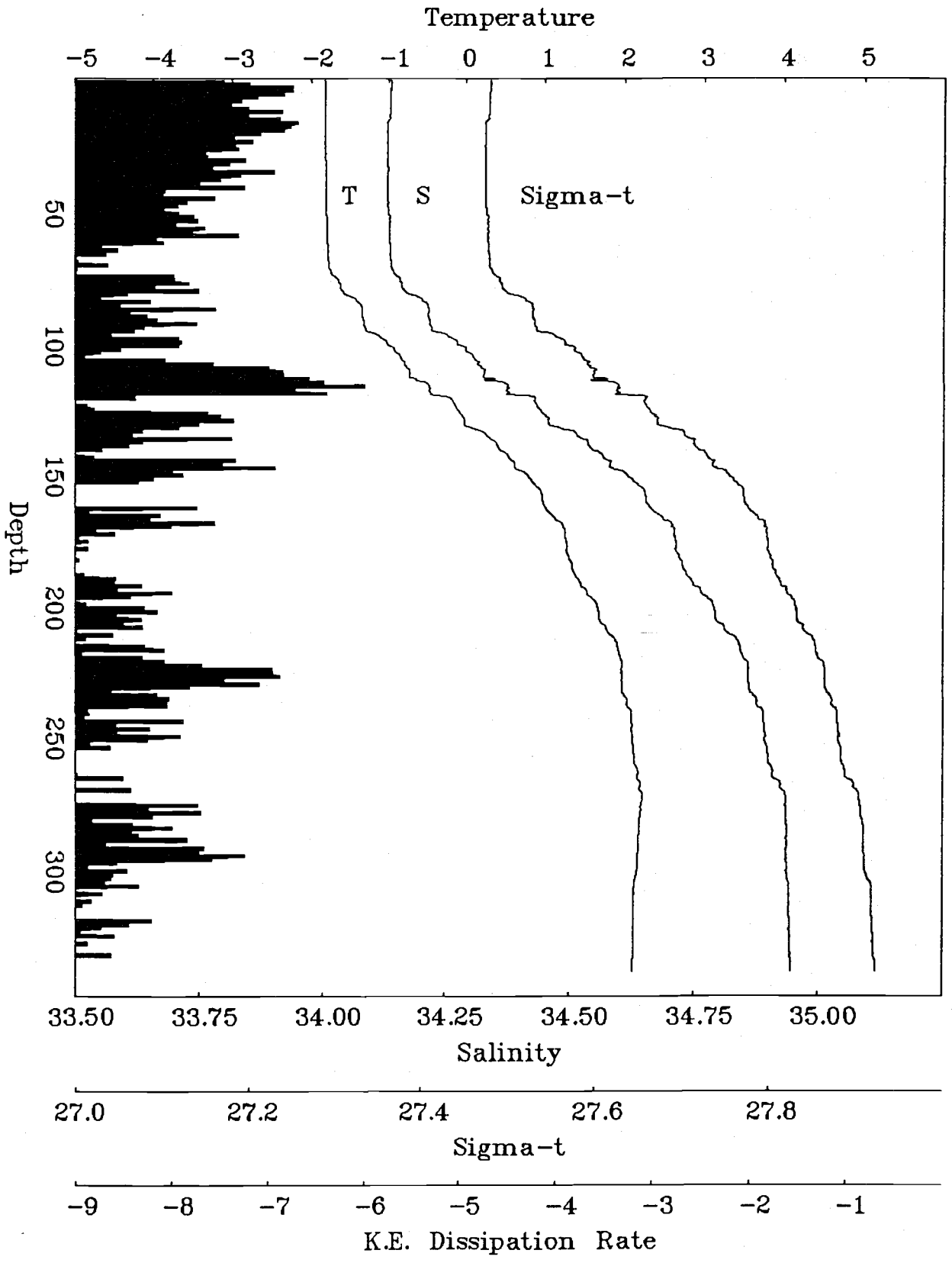

CEAREX Cast 774, JD 103.1710, 03:58, 82.64N, 10.02E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

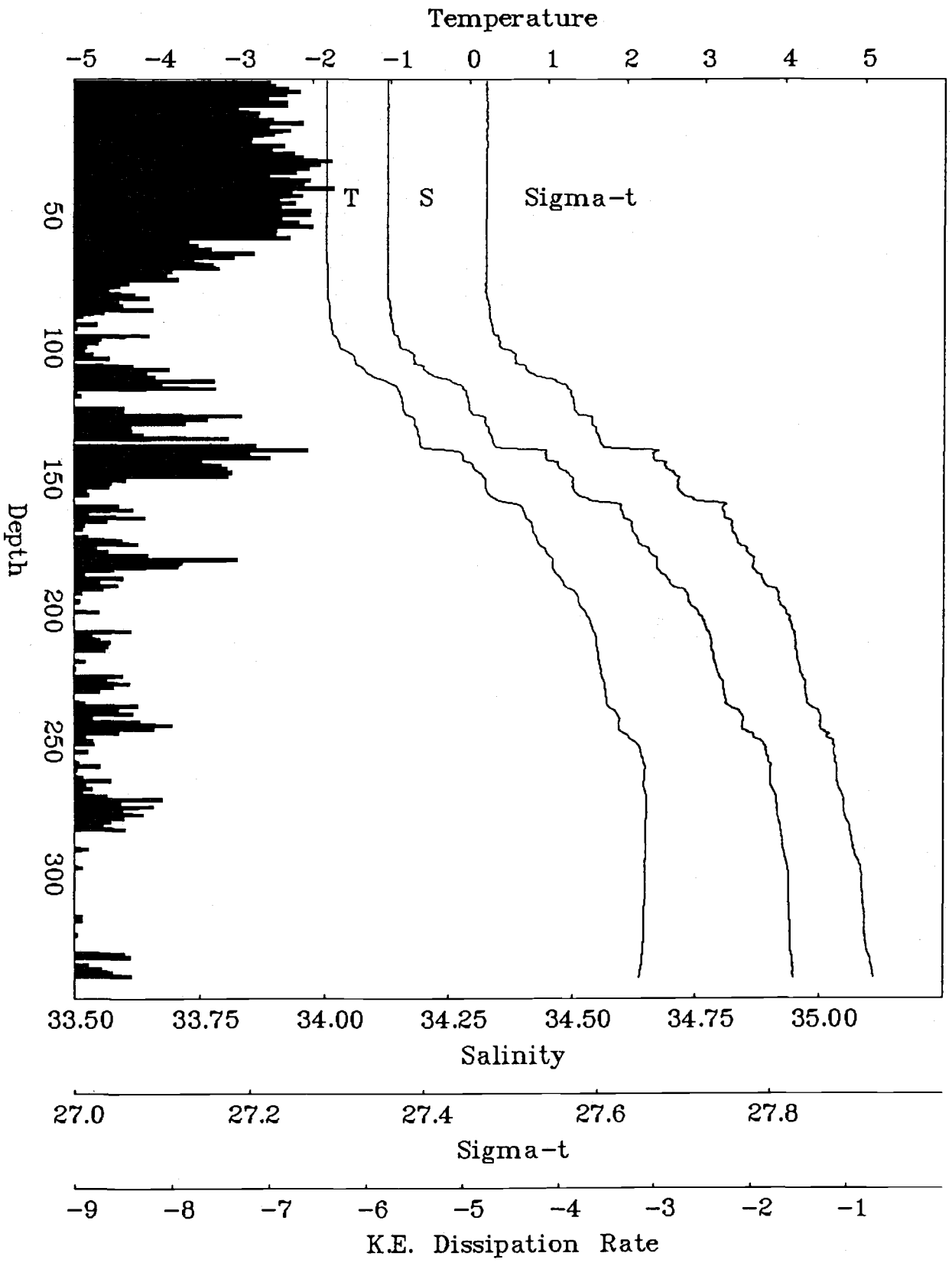

CEAREX Cast 789, JD 103.3357, 07:55, 82.65N, 9.93E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

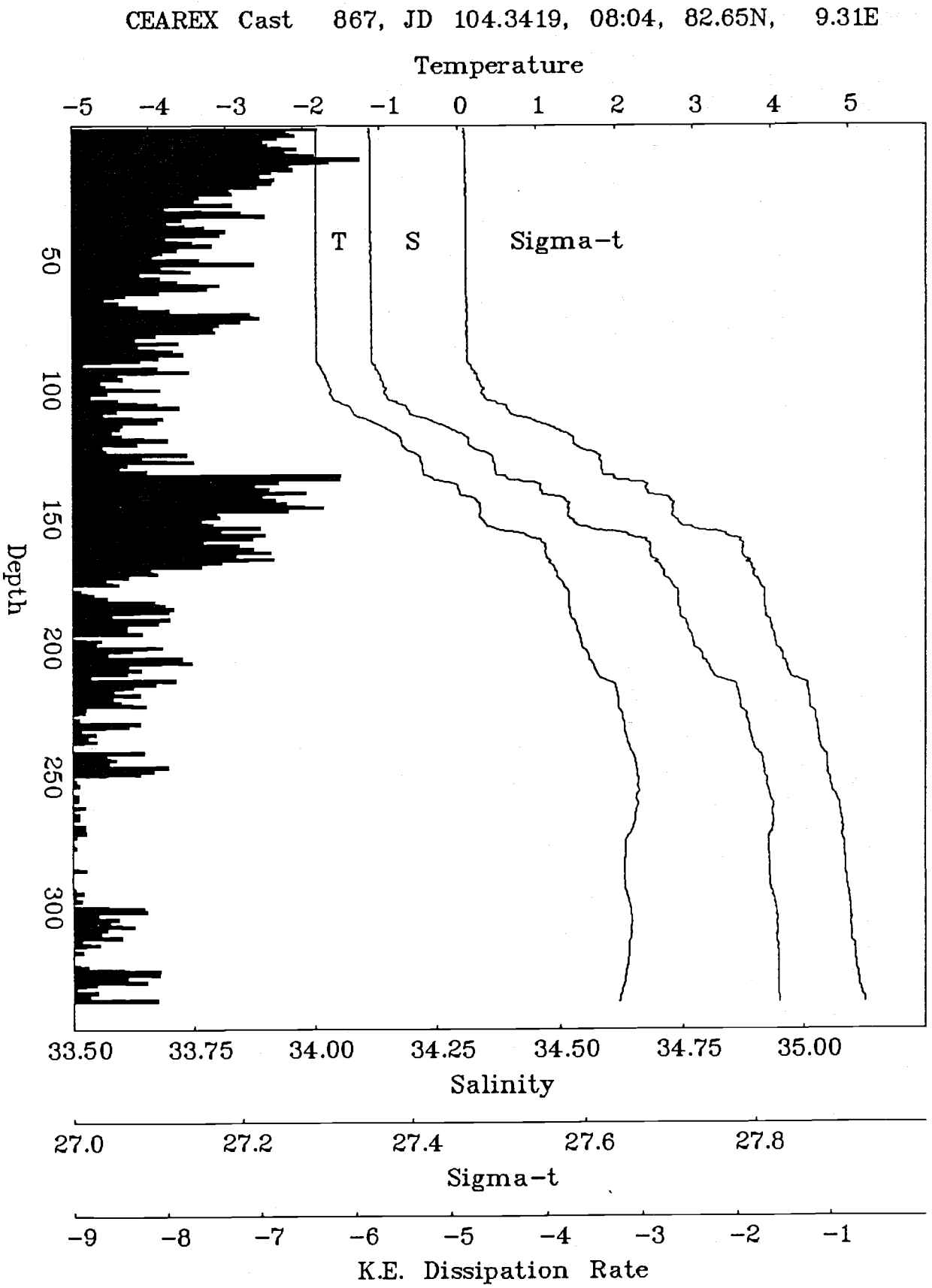

CEAREX Cast 803, JD 103.5029, 11:56, 82.65N, 9.84E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

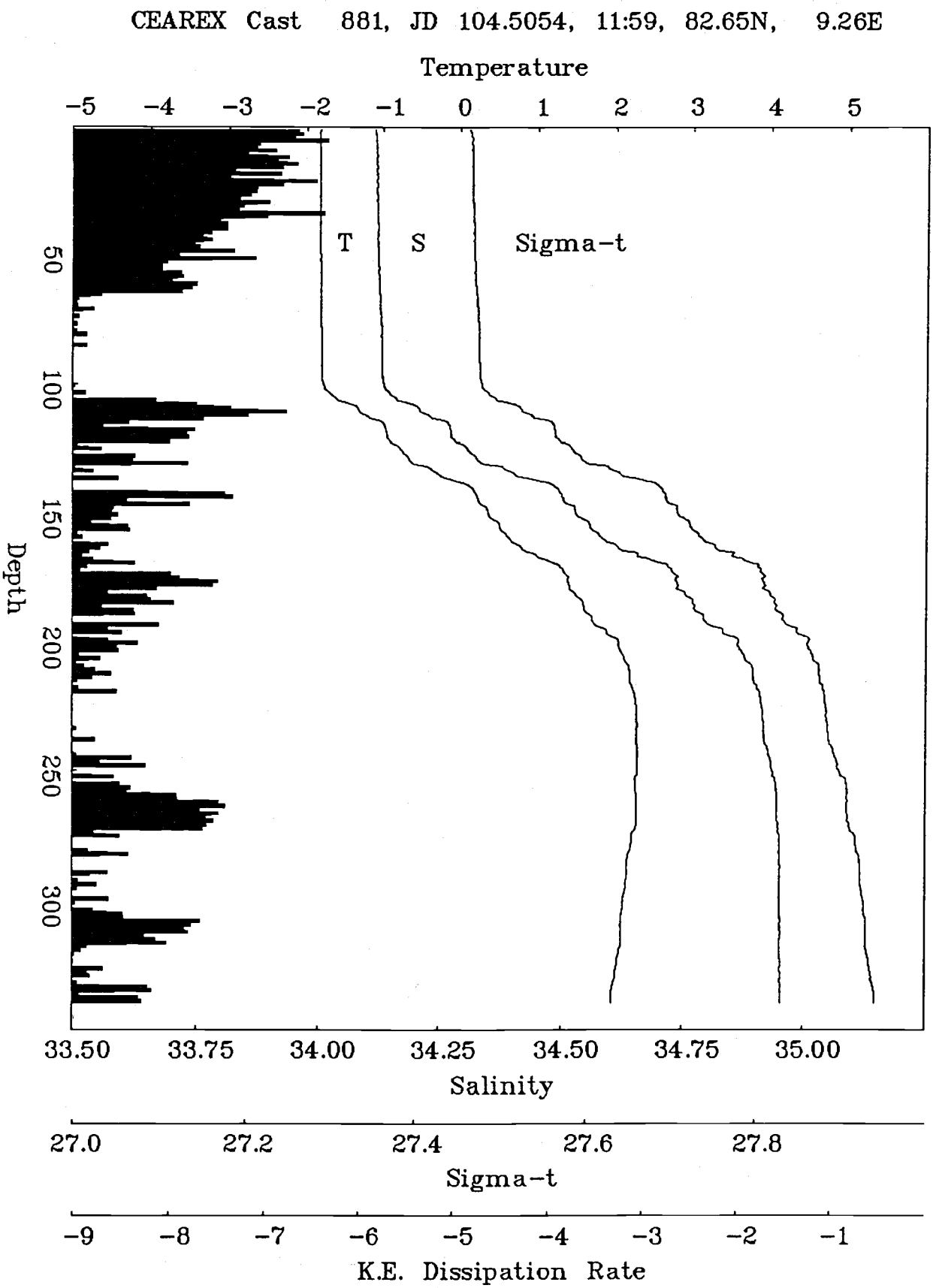

CEAREX Cast 818, JD 103.6717, 15:59, 82.65N, 9.73E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

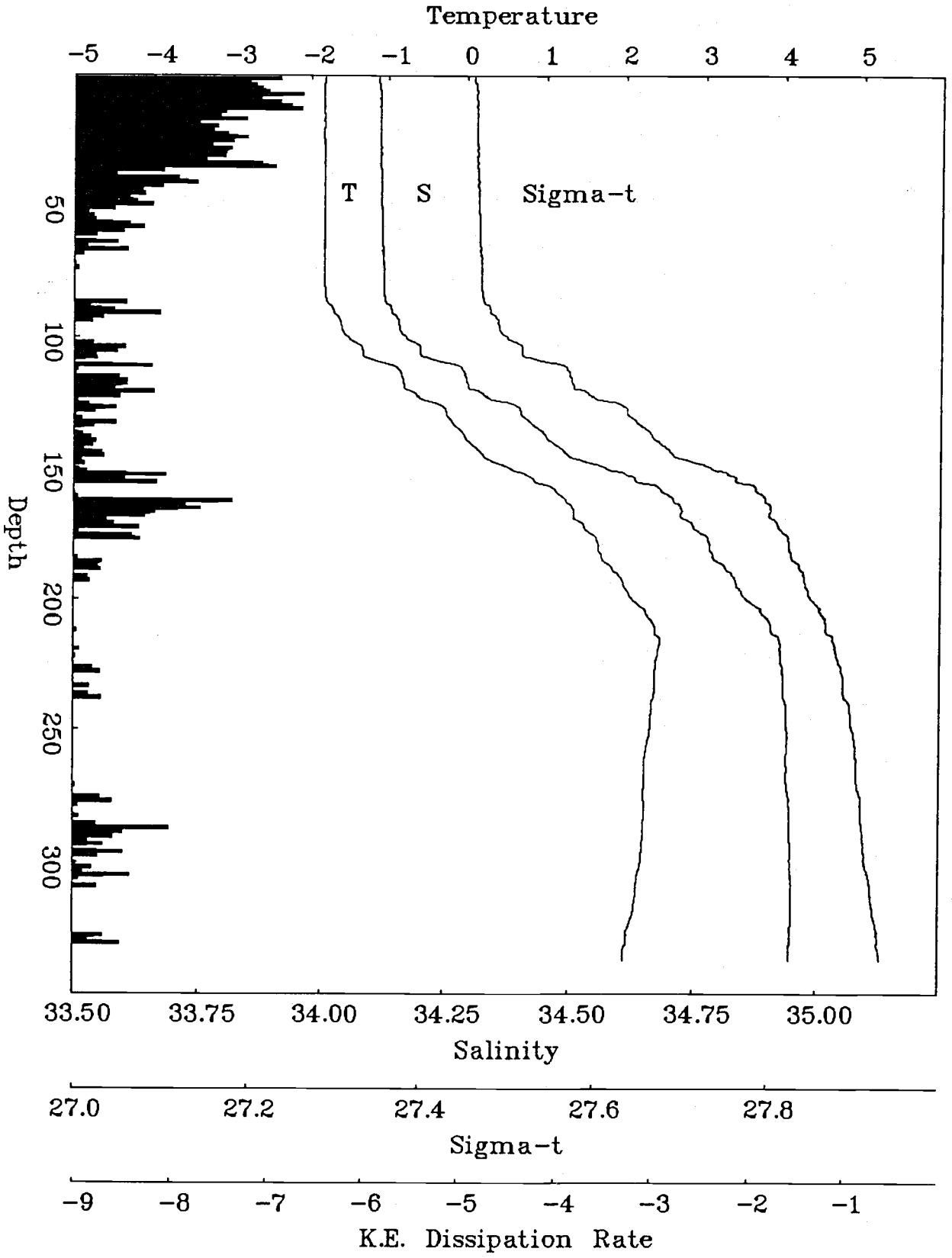

CEAREX Cast 831, JD 103.8372, 19:57, 82.65N, 9.61E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

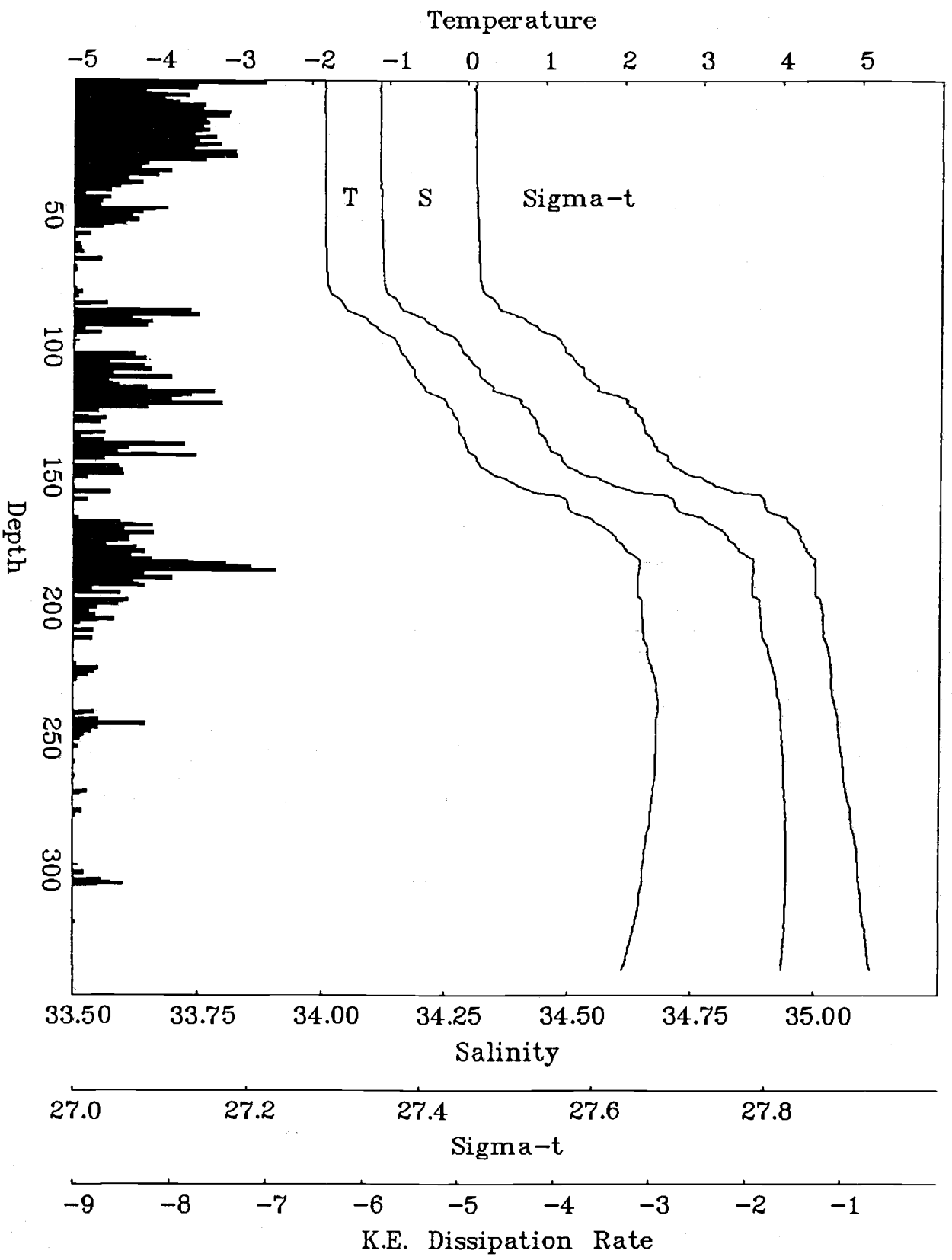

CEAREX Cast 845, JD 104.0268, 00:30, 82.65N, 9.47E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

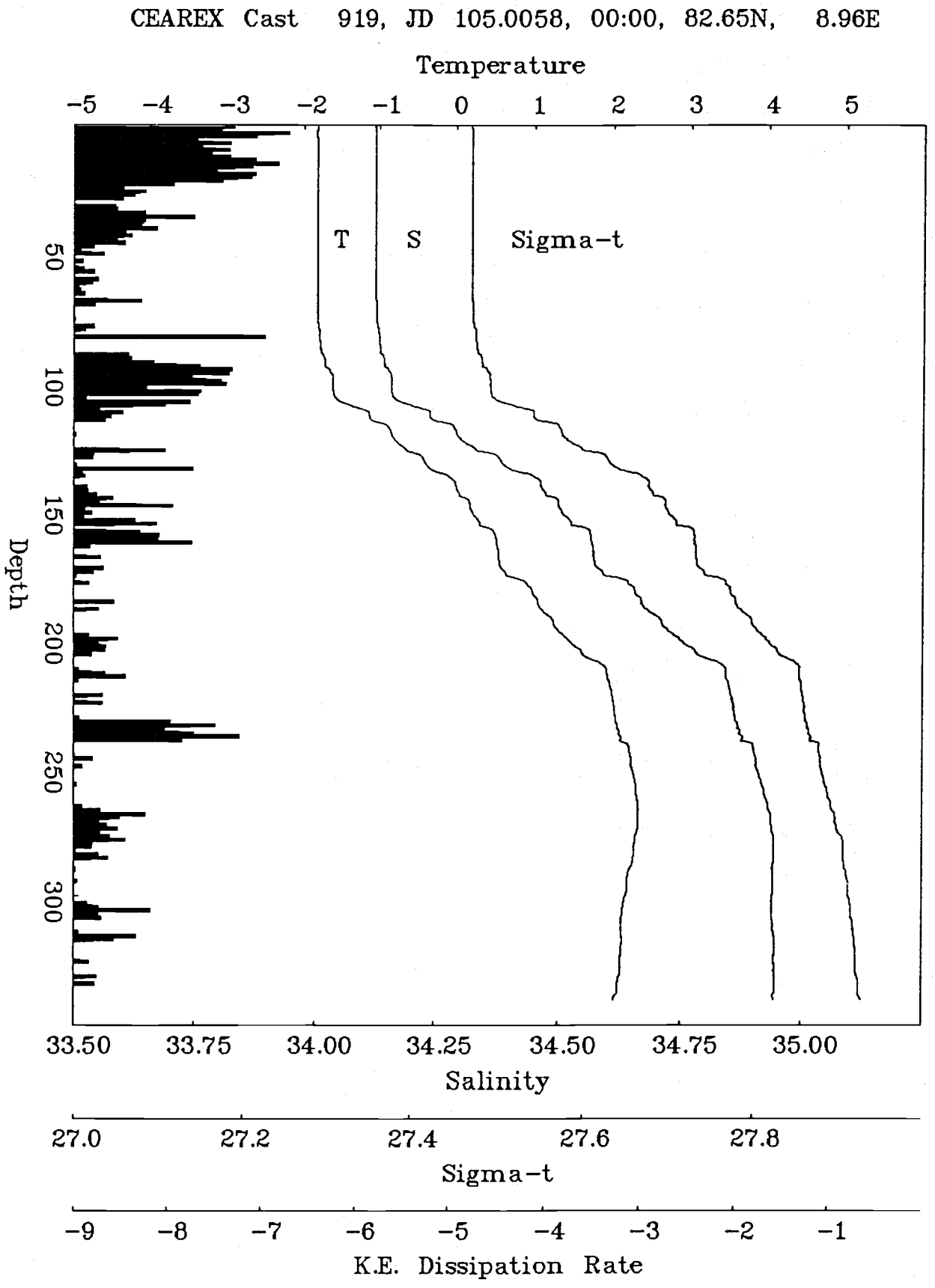

CEAREX Cast 854, JD 104.1726, 04:00, 82.65N, 9.39E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

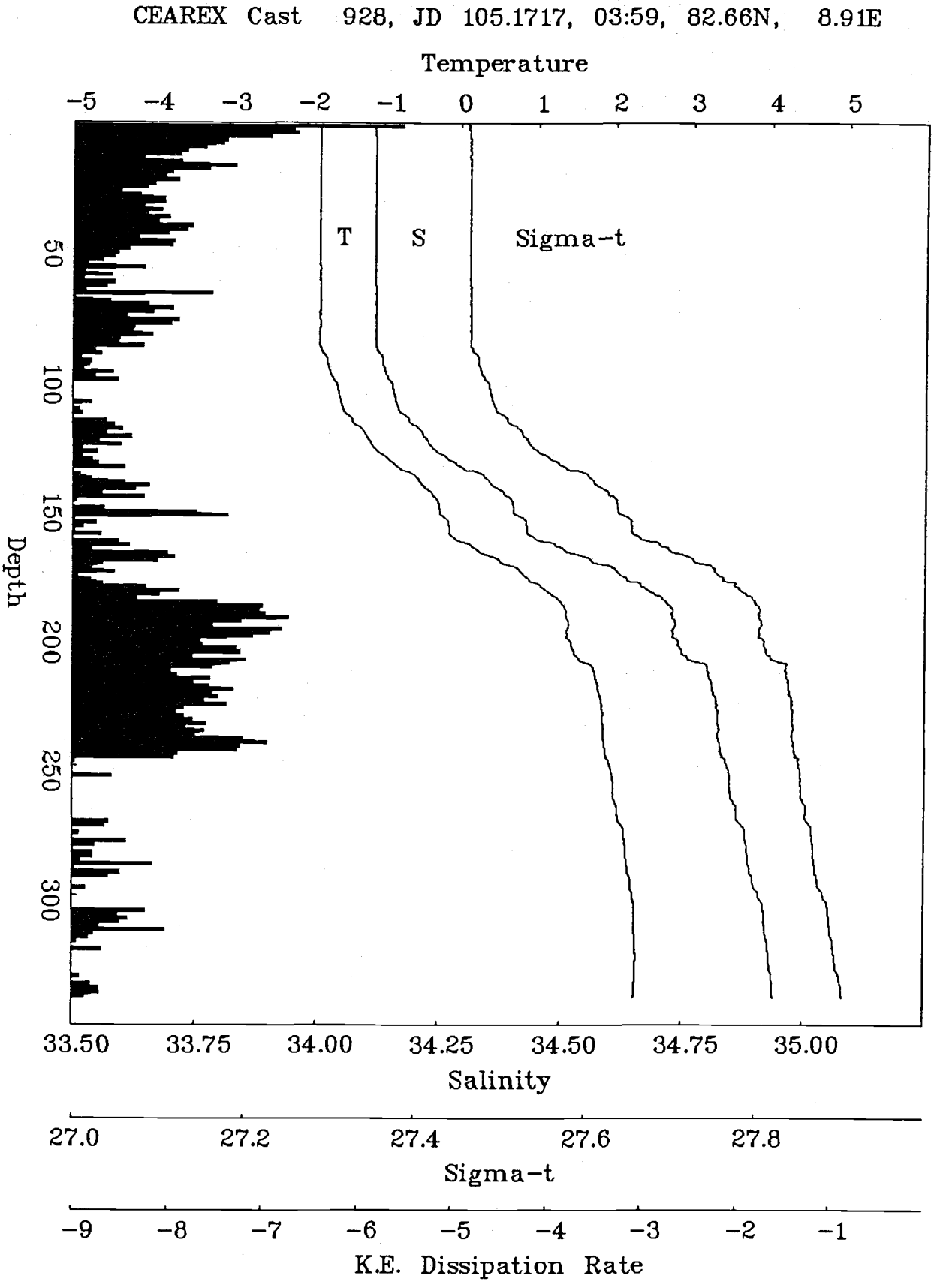

CEAREX Cast 867, JD 104.3419, 08:04, 82.65N, 9.31E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

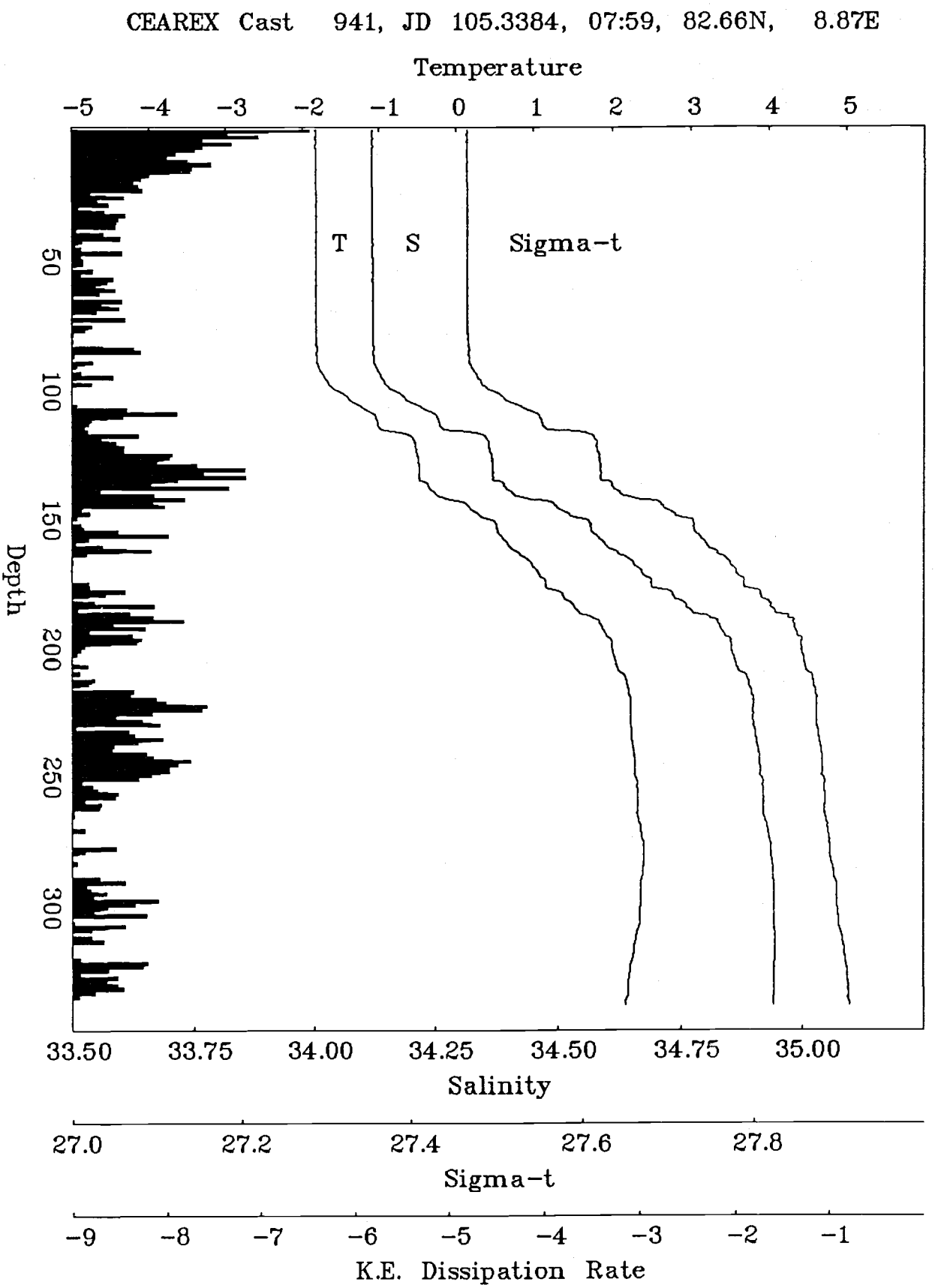

CEAREX Cast 881, JD 104.5054, 11:59, 82.65N, 9.26E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

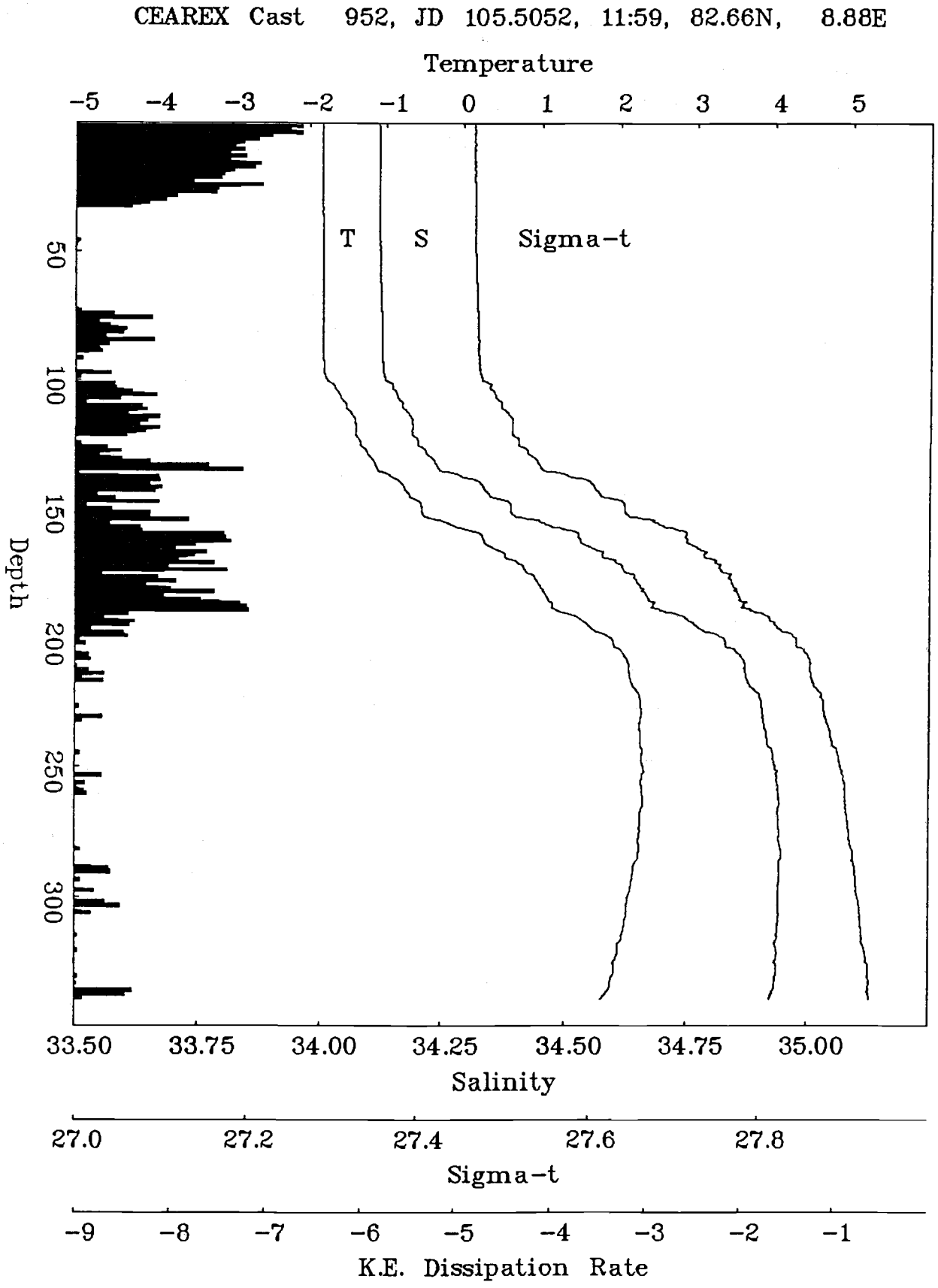

CEAREX Cast 895, JD 104.6717, 15:59, 82.65N, 9.17E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

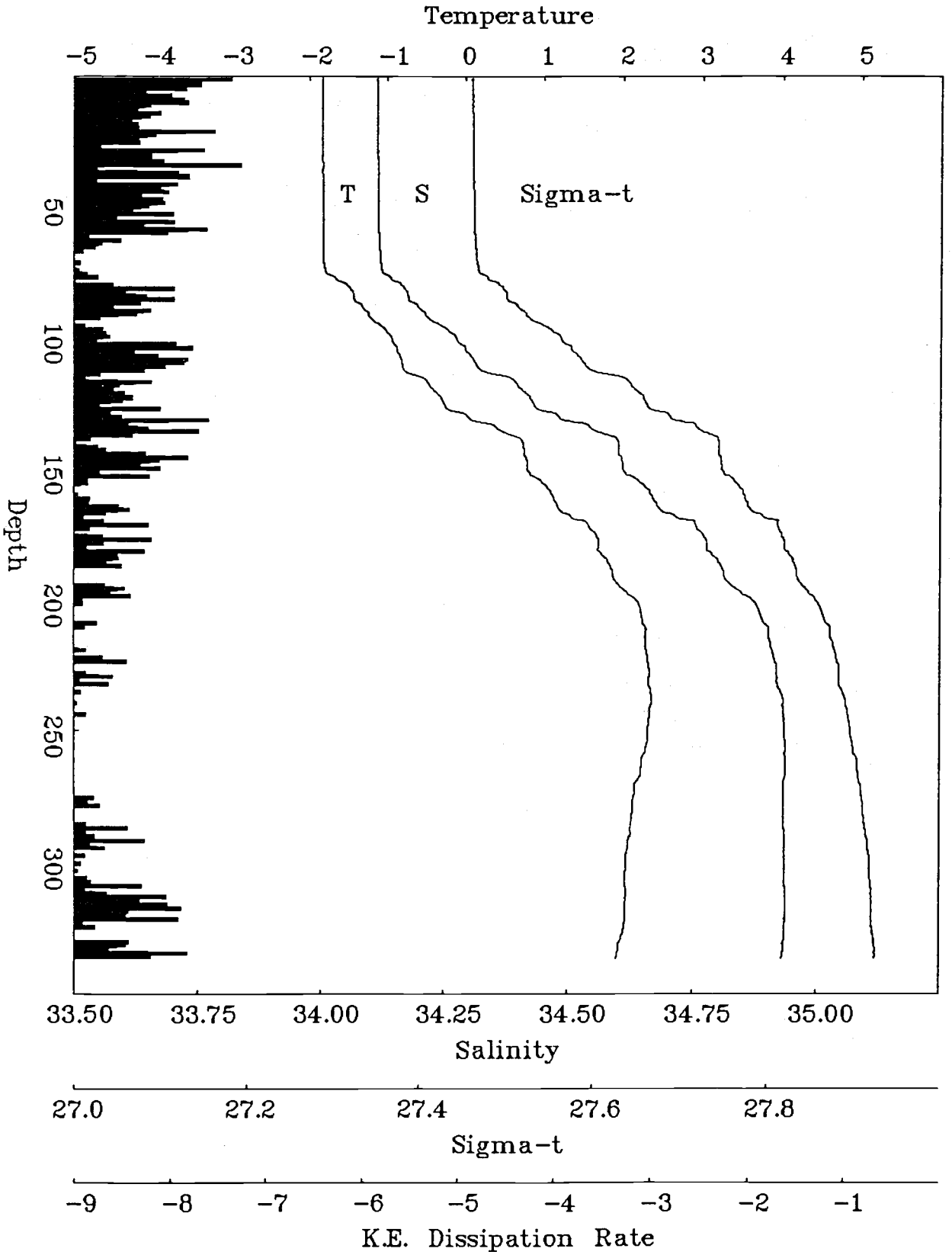

CEAREX Cast 908, JD 104.8417, 20:04, 82.64N, 9.04E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

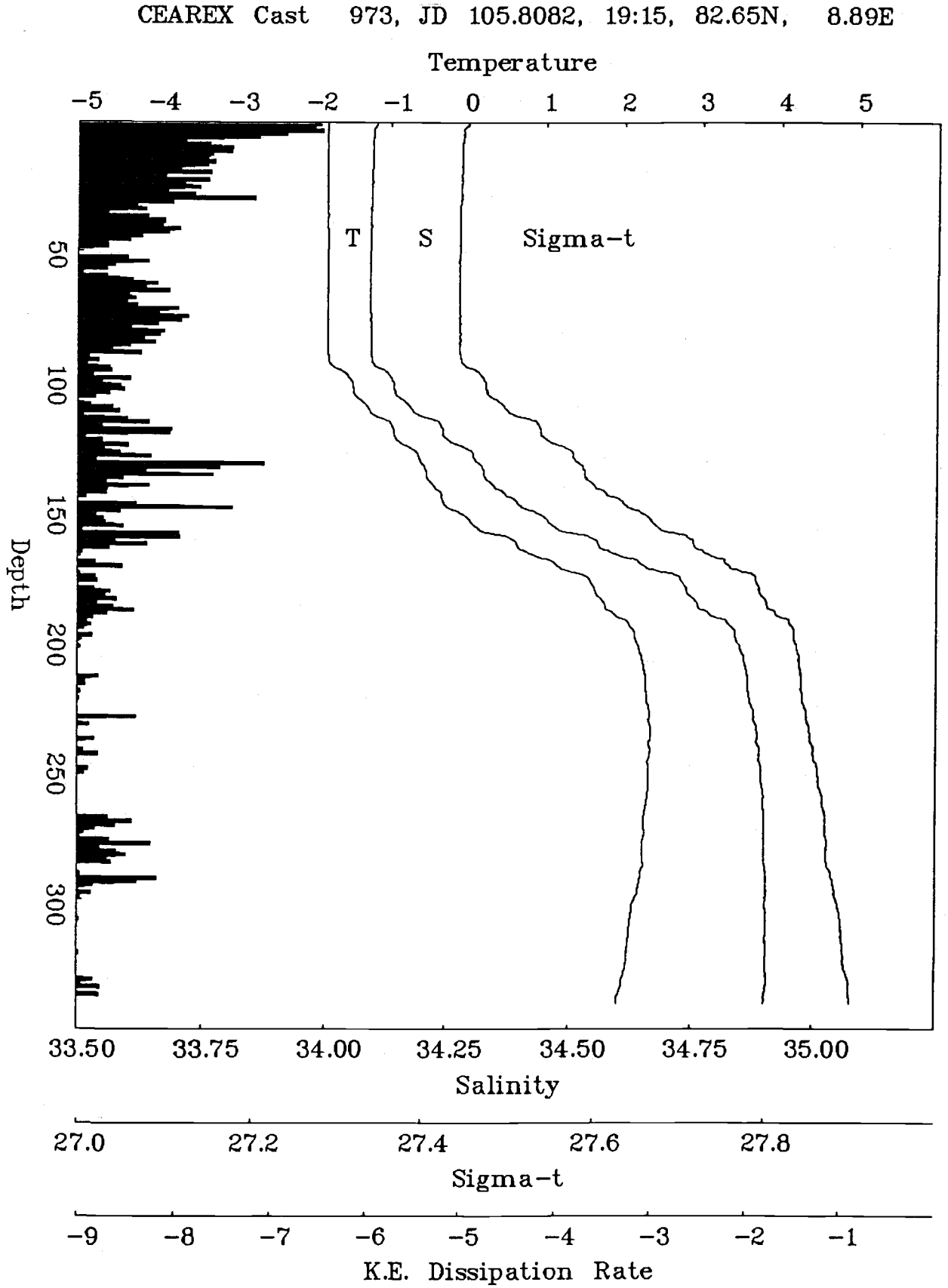

CEAREX Cast 919, JD 105.0058, 00:00, 82.65N, 8.96E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

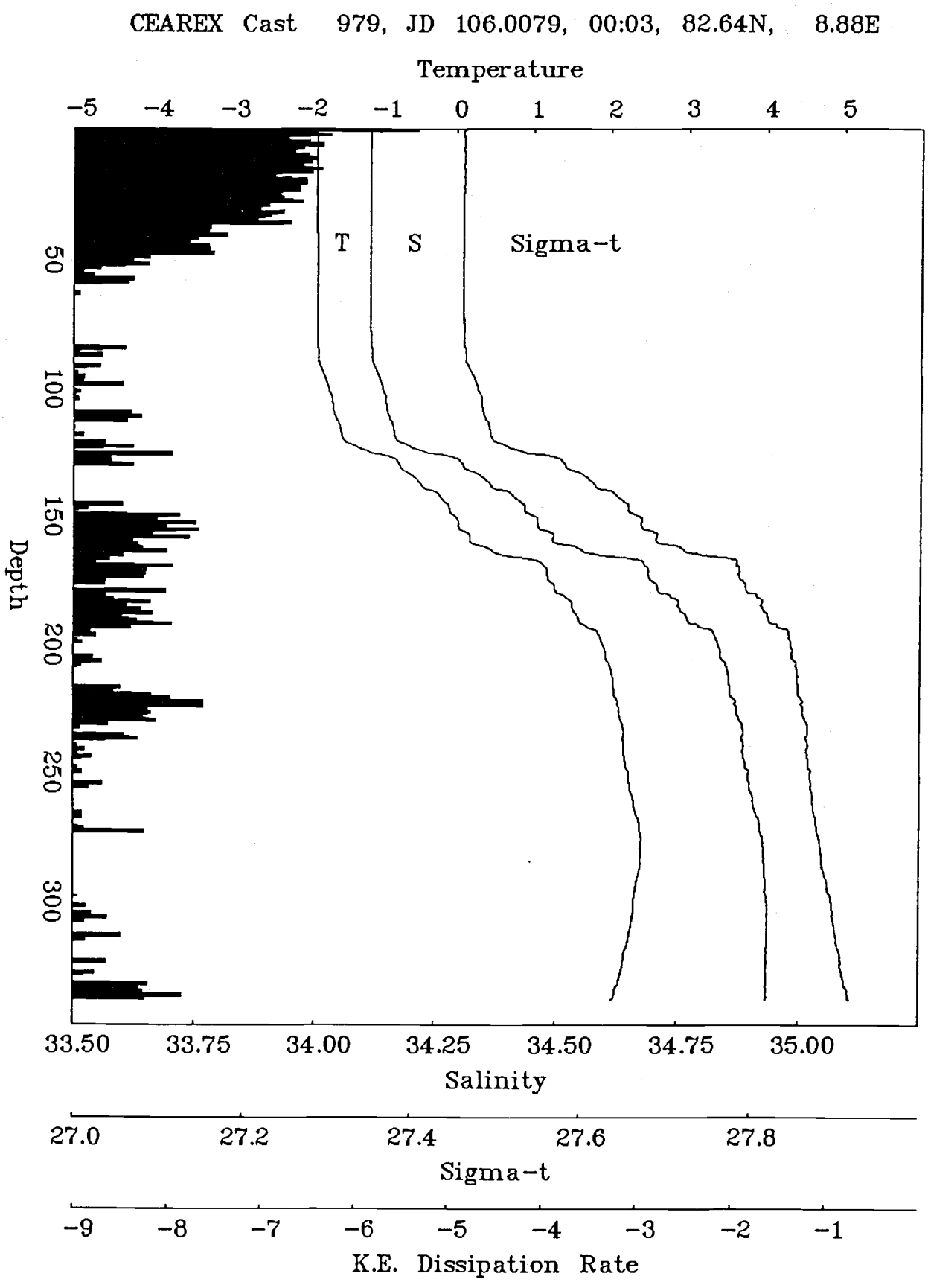

CEAREX Cast 928, JD 105.1717, 03:59, 82.66N, 8.91E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

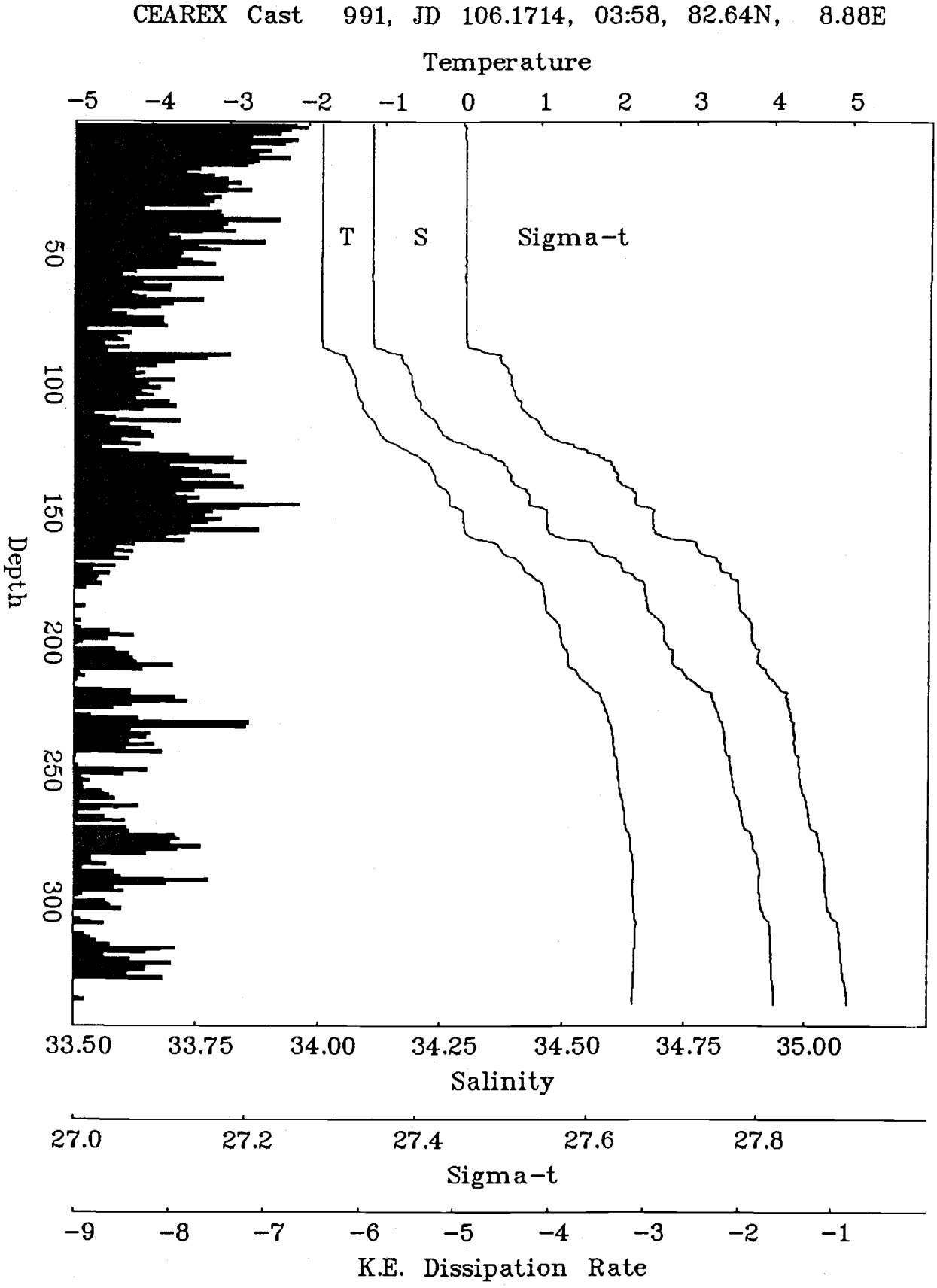

CEAREX Cast 941, JD 105.3384, 07:59, 82.66N, 8.87E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

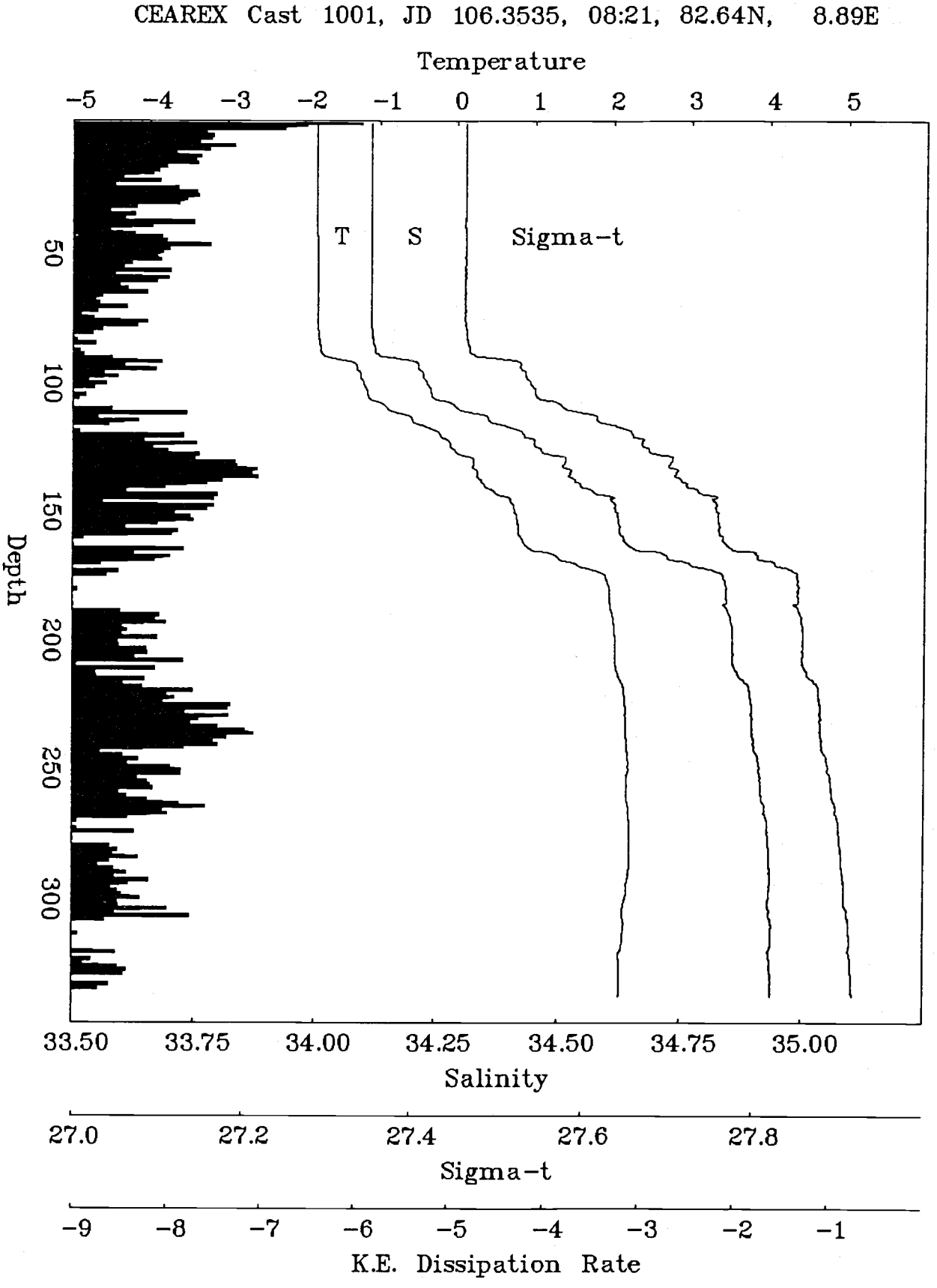

CEAREX Cast 952, JD 105.5052, 11:59, 82.66N, 8.88E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

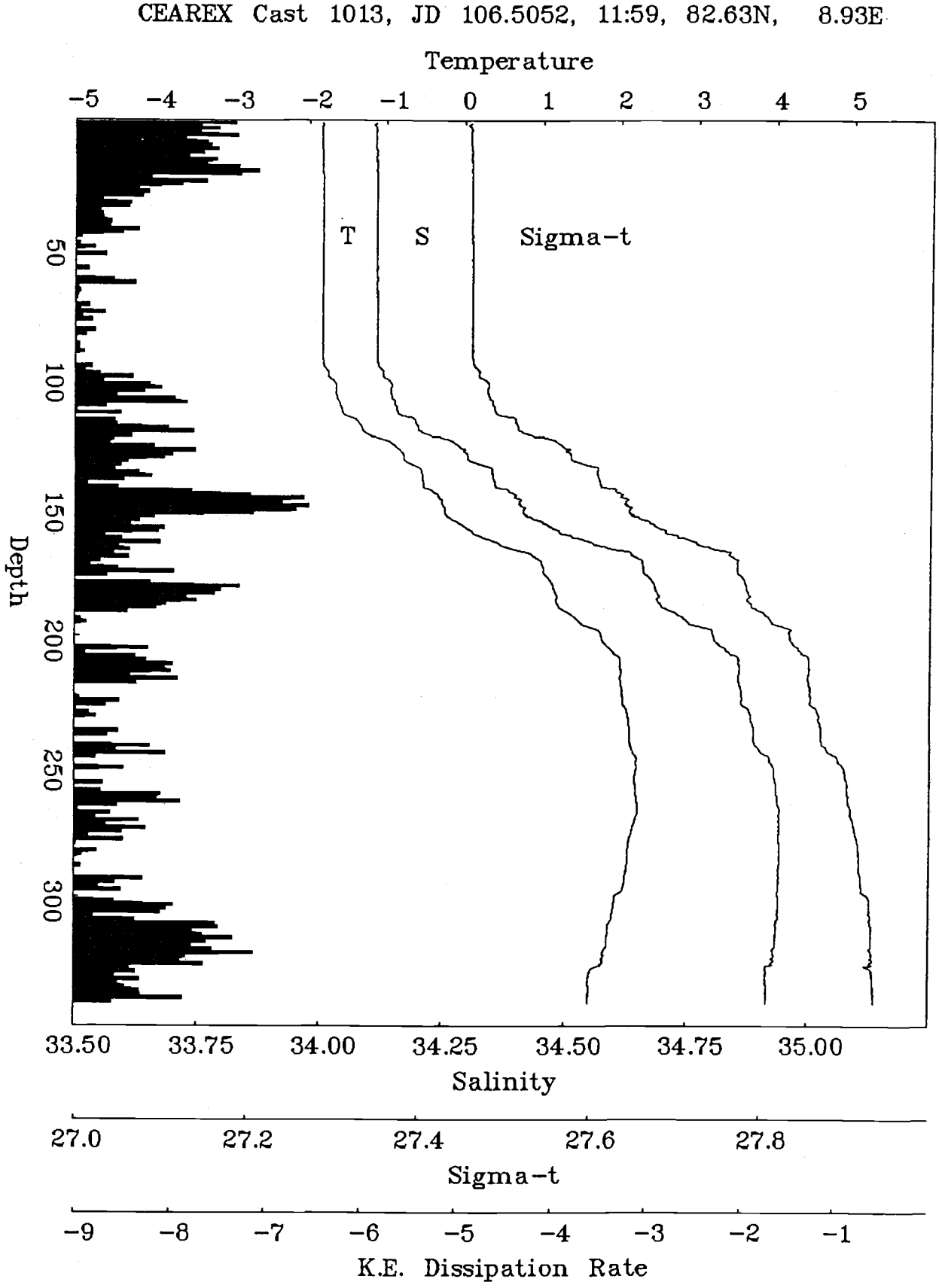

CEAREX Cast 963, JD 105.6716, 15:59, 82.65N, 8.89E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

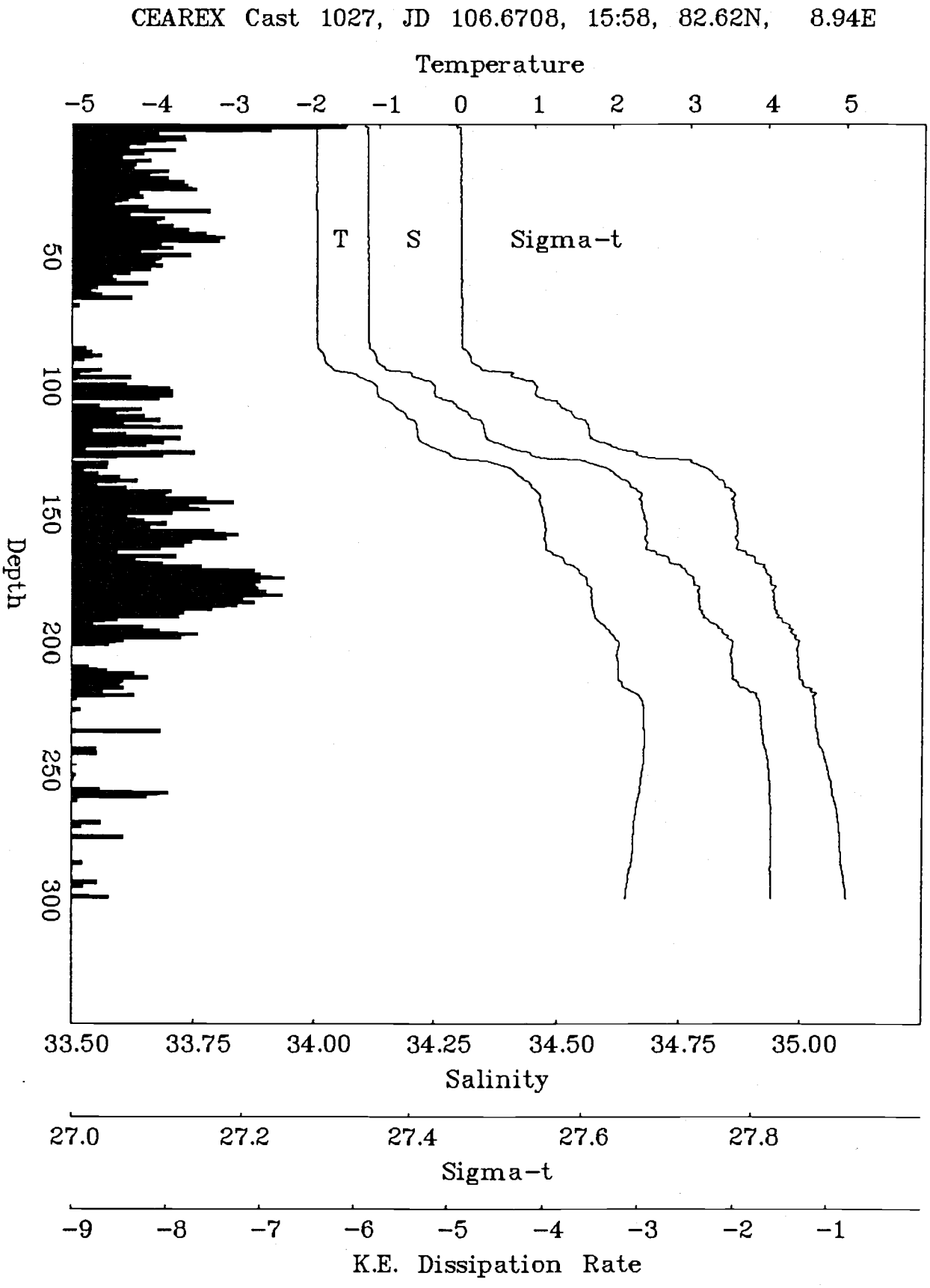

CEAREX Cast 973, JD 105.8082, 19:15, 82.65N, 8.89E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

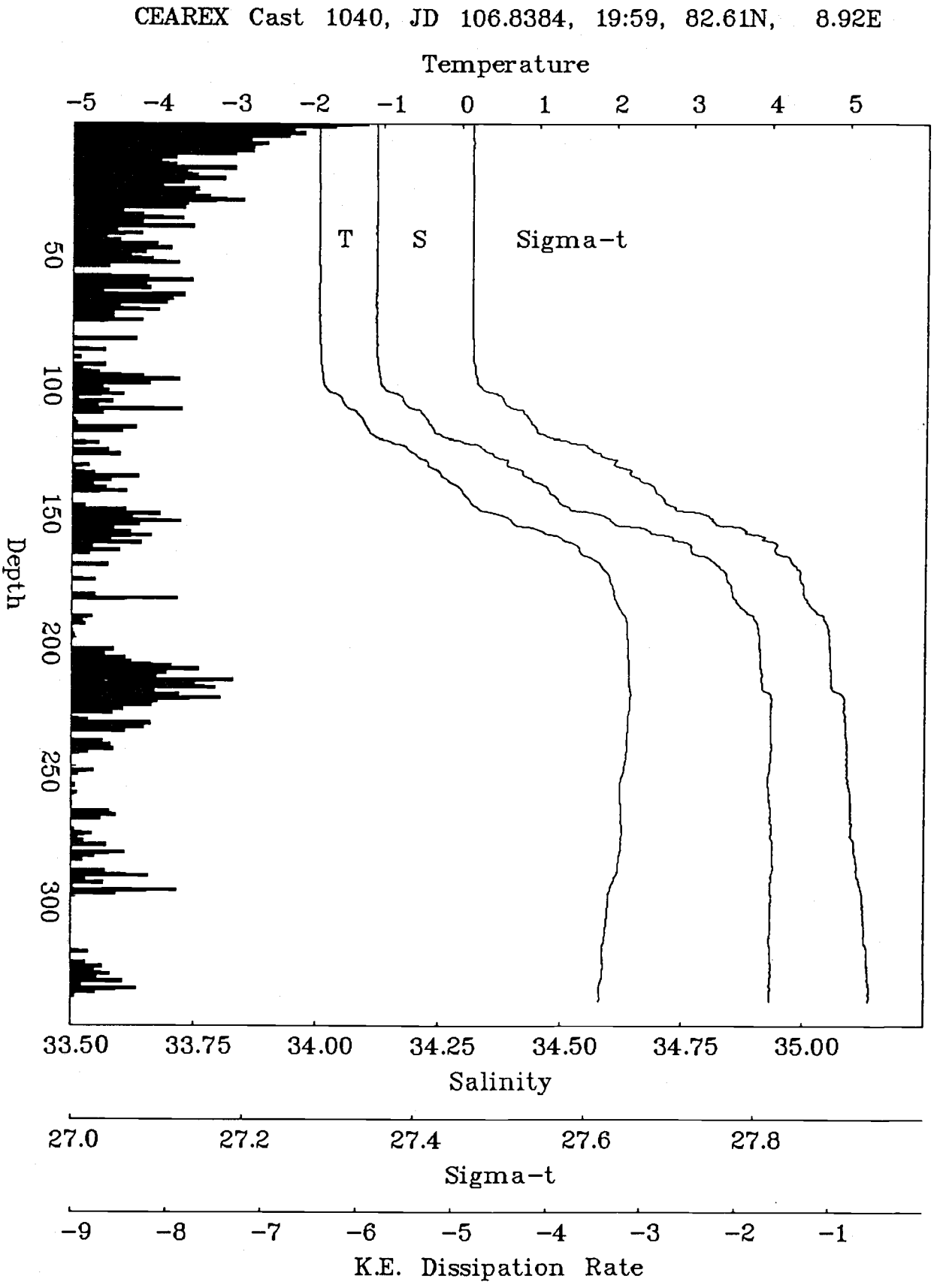

CEAREX Cast 979, JD 106.0079, 00:03, 82.64N, 8.88E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

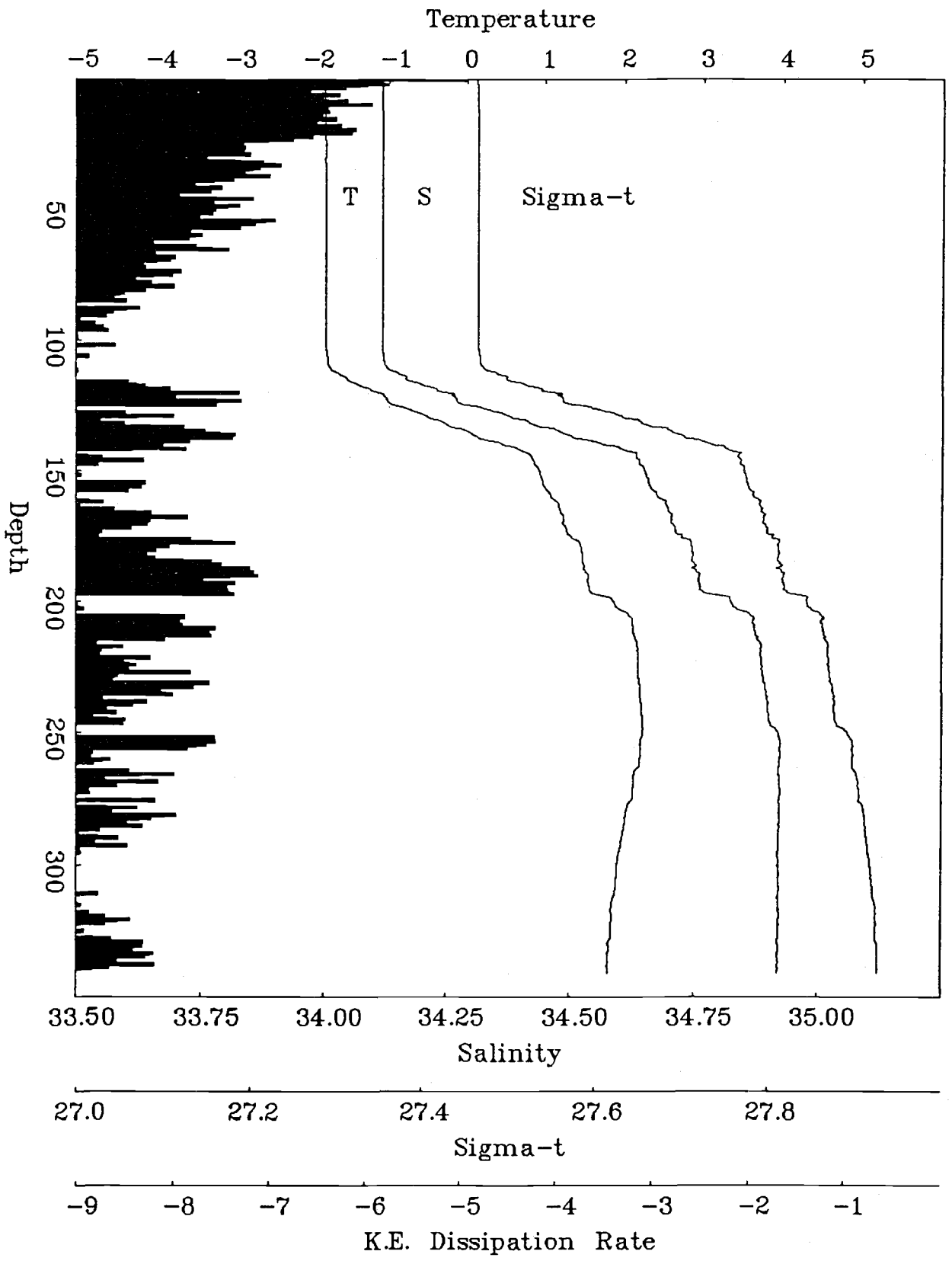

CEAREX Cast 991, JD 106.1714, 03:58, 82.64N, 8.88E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

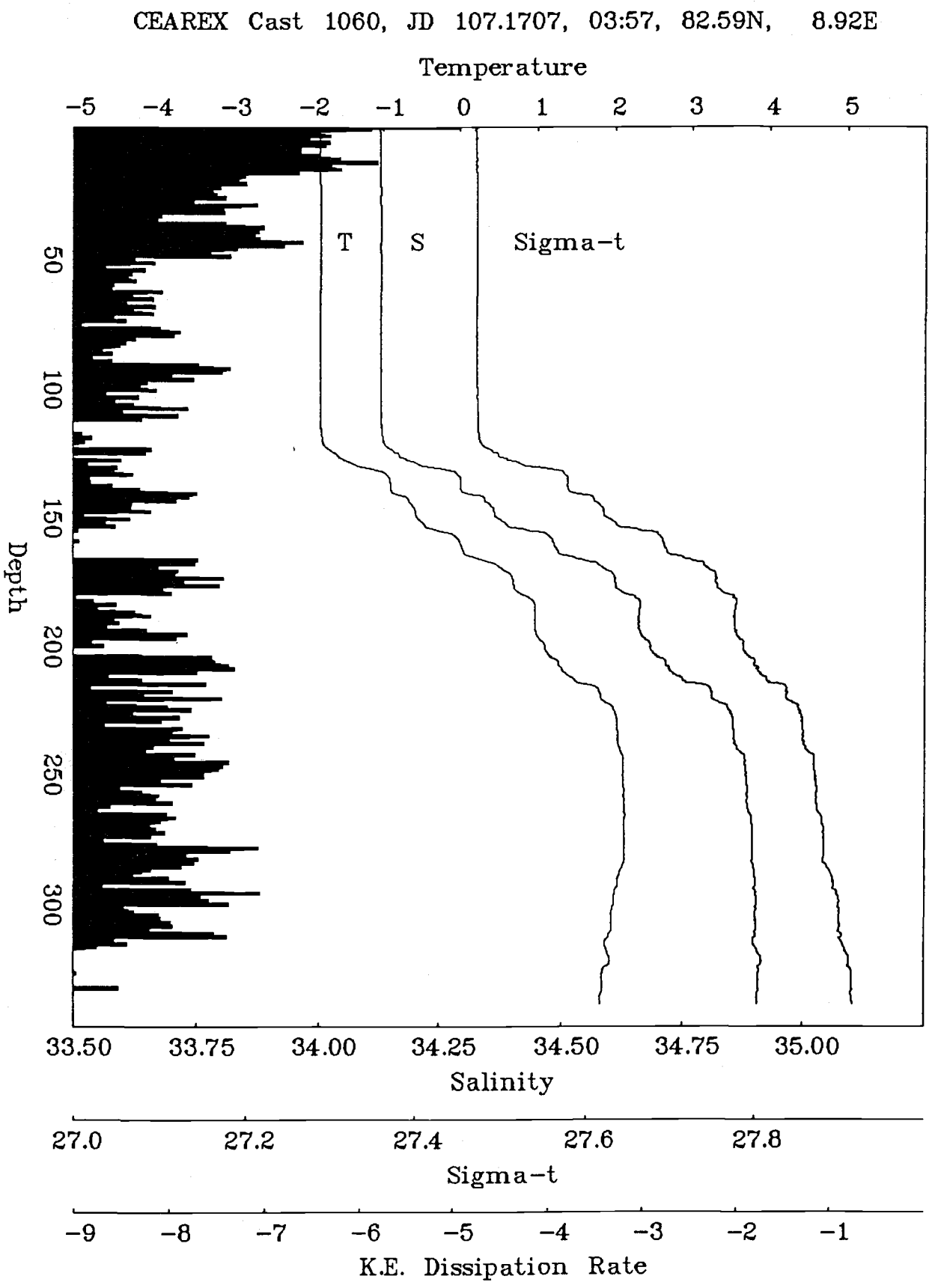

CEAREX Cast 1001, JD 106.3535, 08:21, 82.64N, 8.89E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

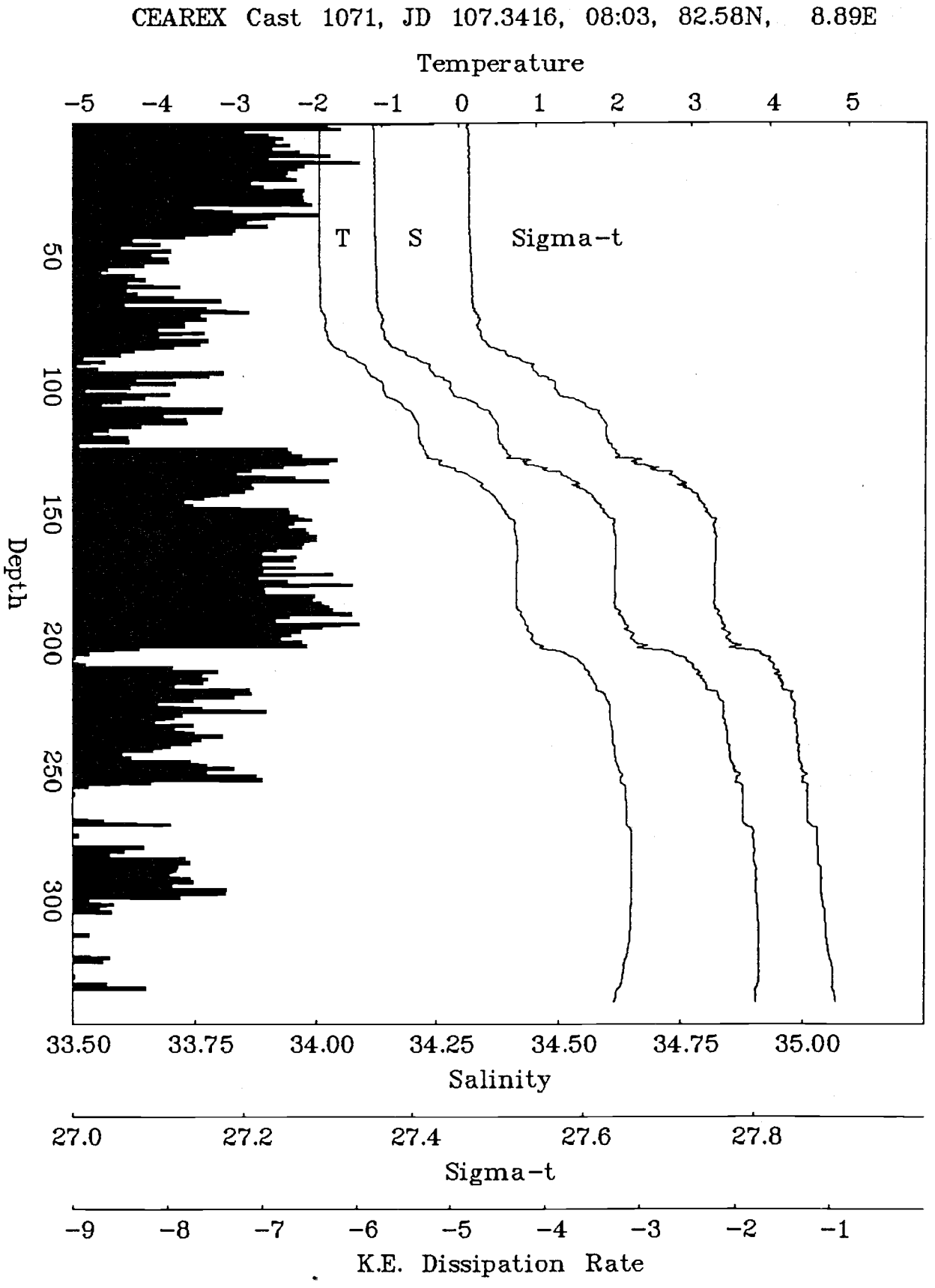

CEAREX Cast 1013, JD 106.5052, 11:59, 82.63N, 8.93E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

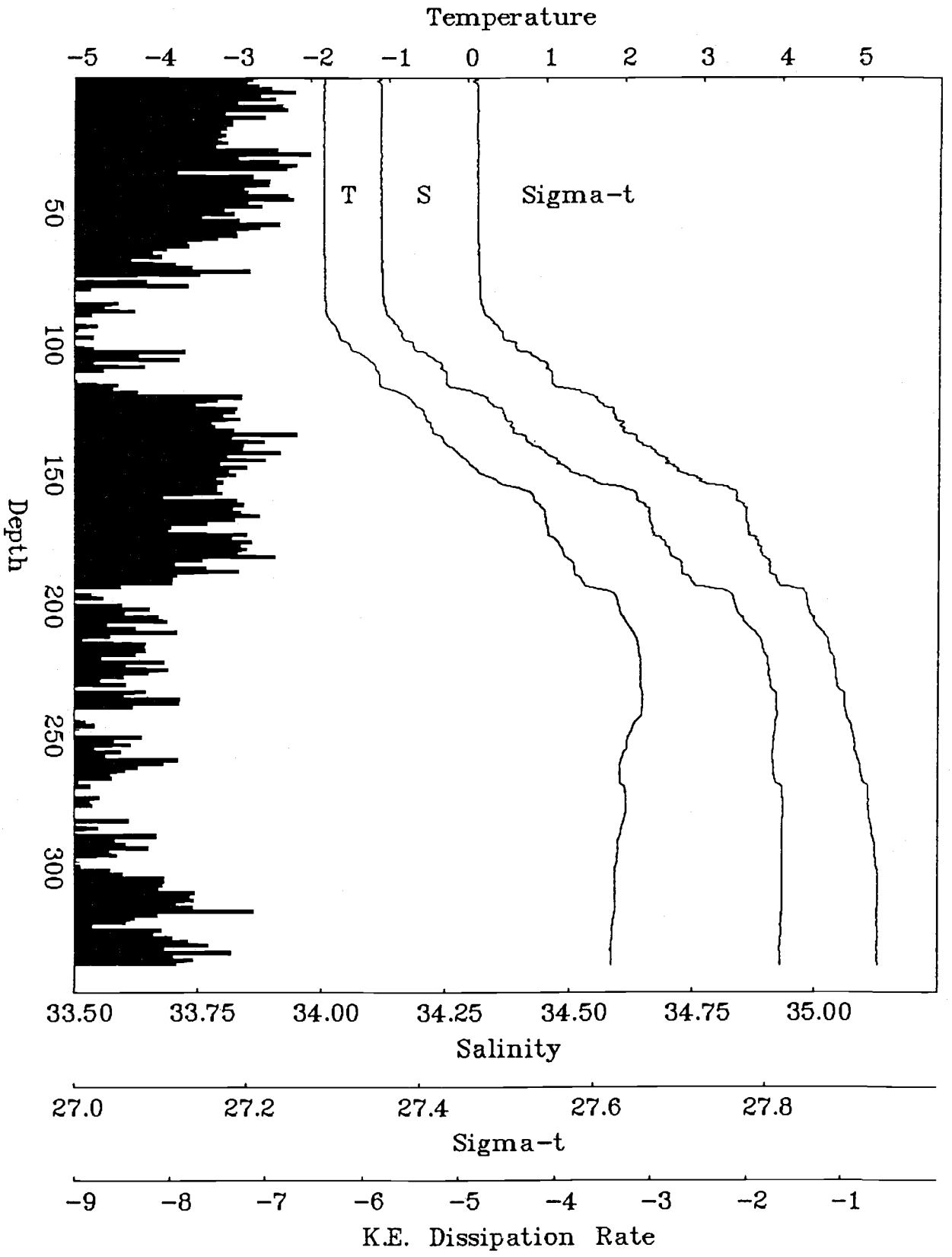

CEAREX Cast 1027, JD 106.6708, 15:58, 82.62N, 8.94E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

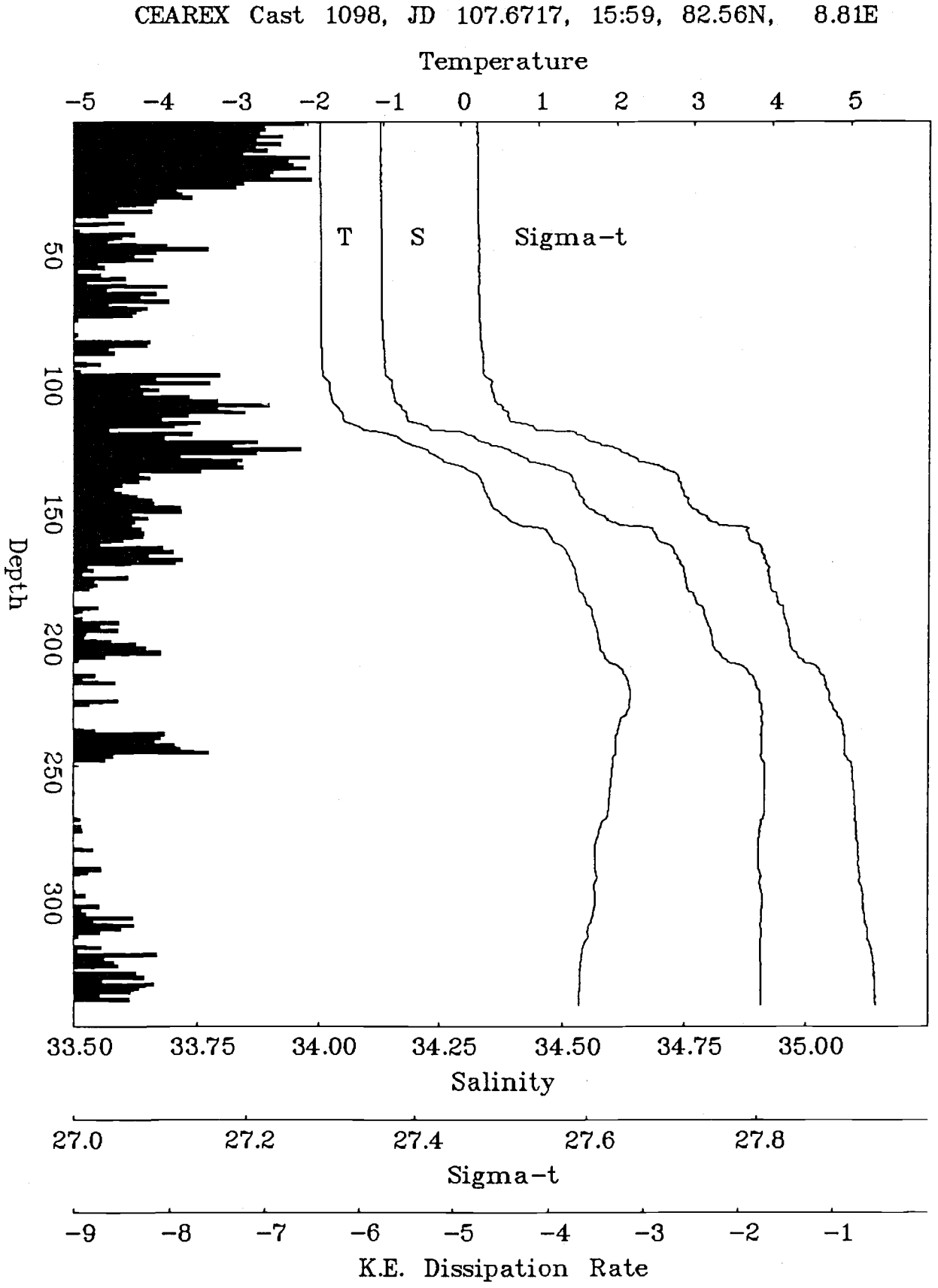

CEAREX Cast 1040, JD 106.8384, 19:59, 82.61N, 8.92E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

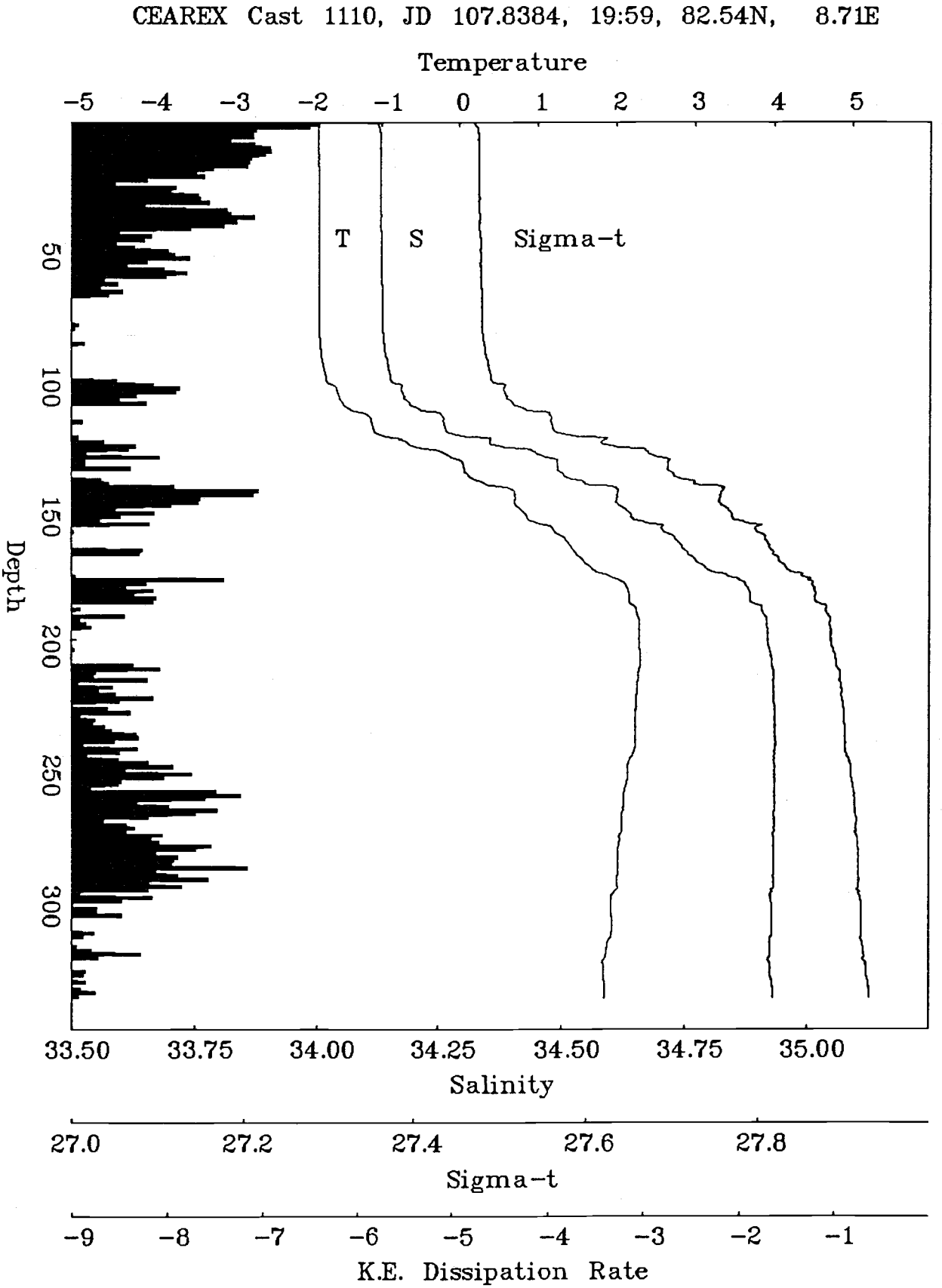

CEAREX Cast 1051, JD 107.0052, 23:59, 82.59N, 8.93E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

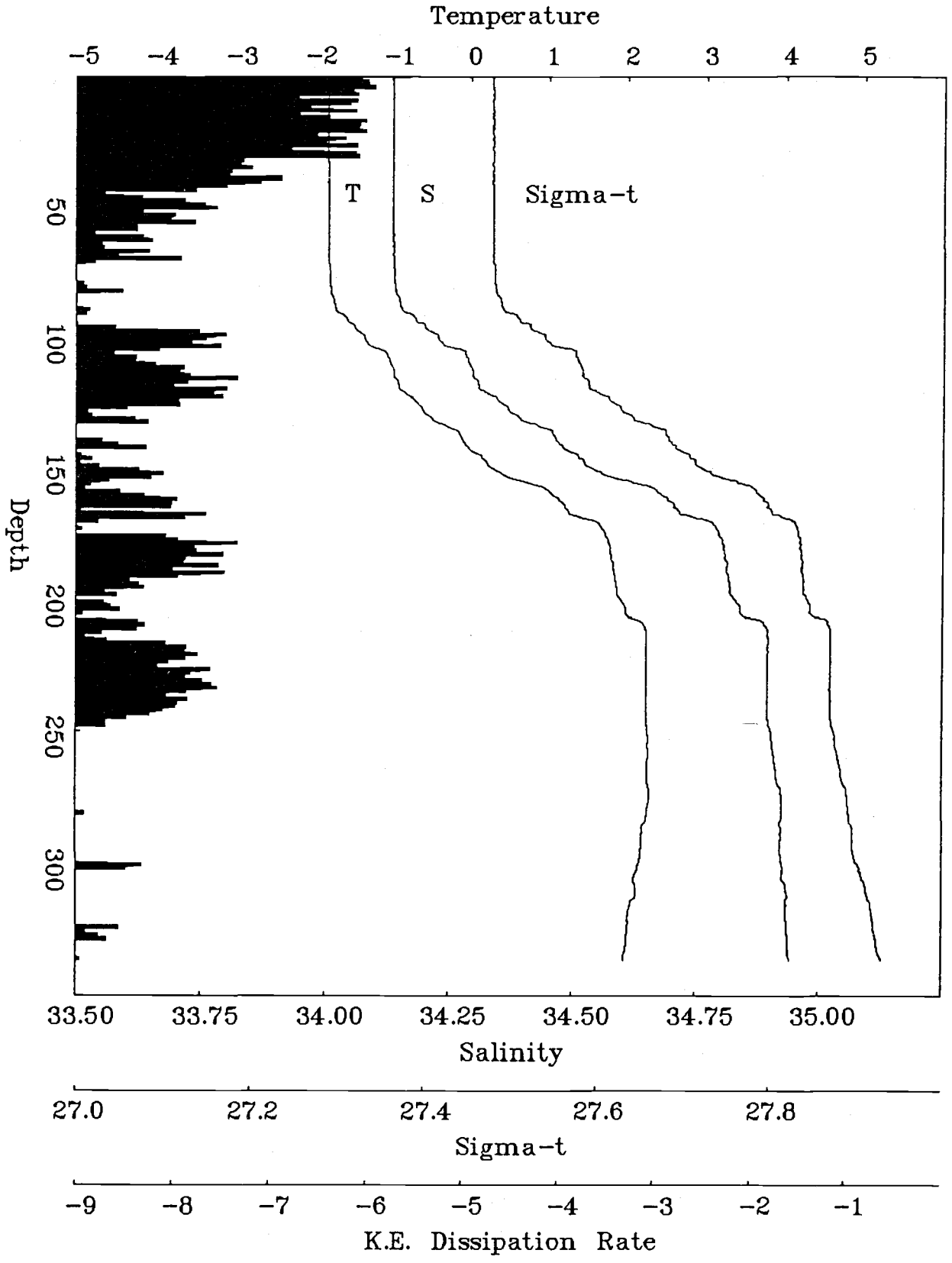

CEAREX Cast 1060, JD 107.1707, 03:57, 82.59N, 8.92E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

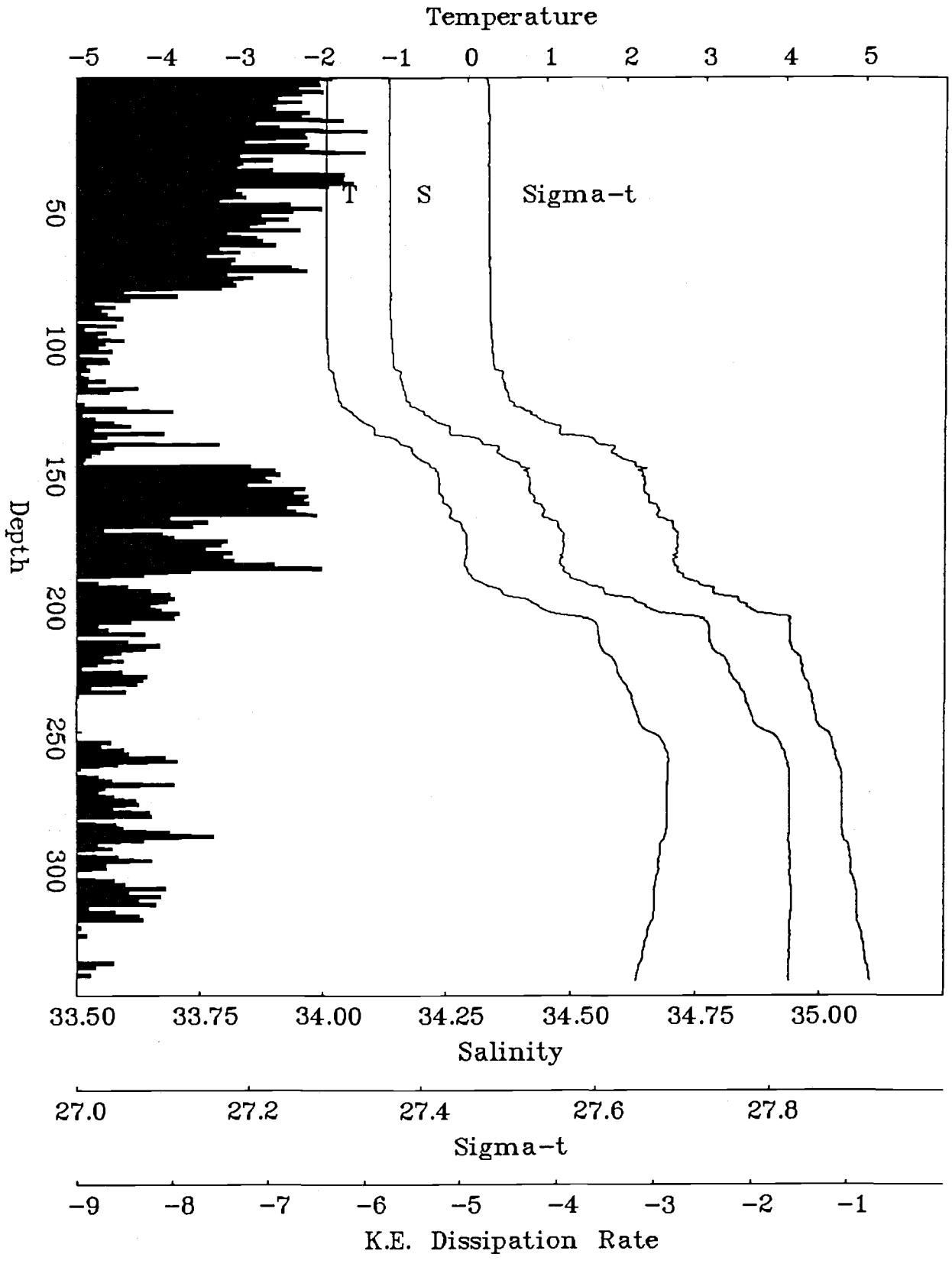

CEAREX Cast 1071, JD 107.3416, 08:03, 82.58N, 8.89E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

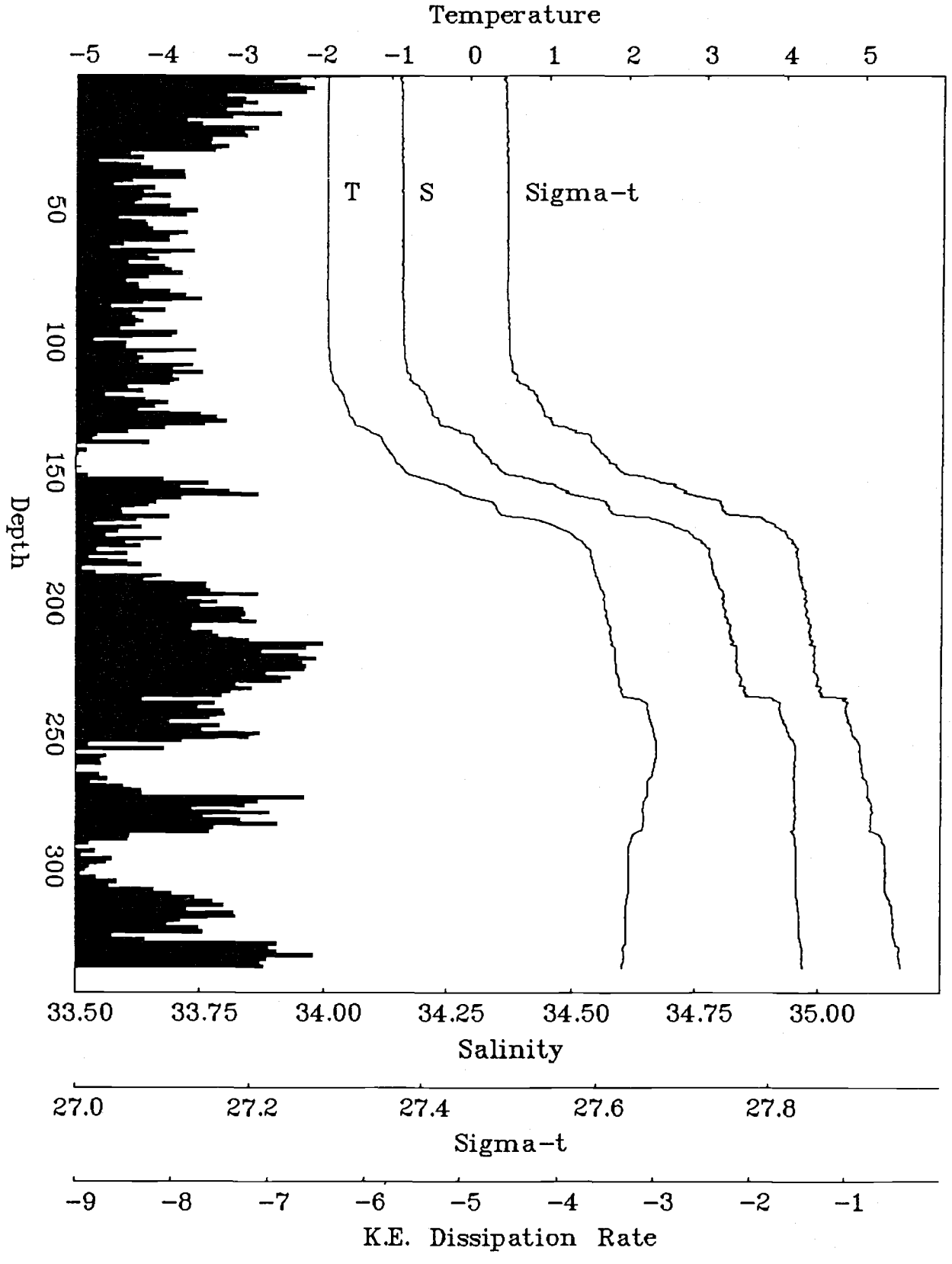

CEAREX Cast 1084, JD 107.5049, 11:58, 82.57N, 8.88E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

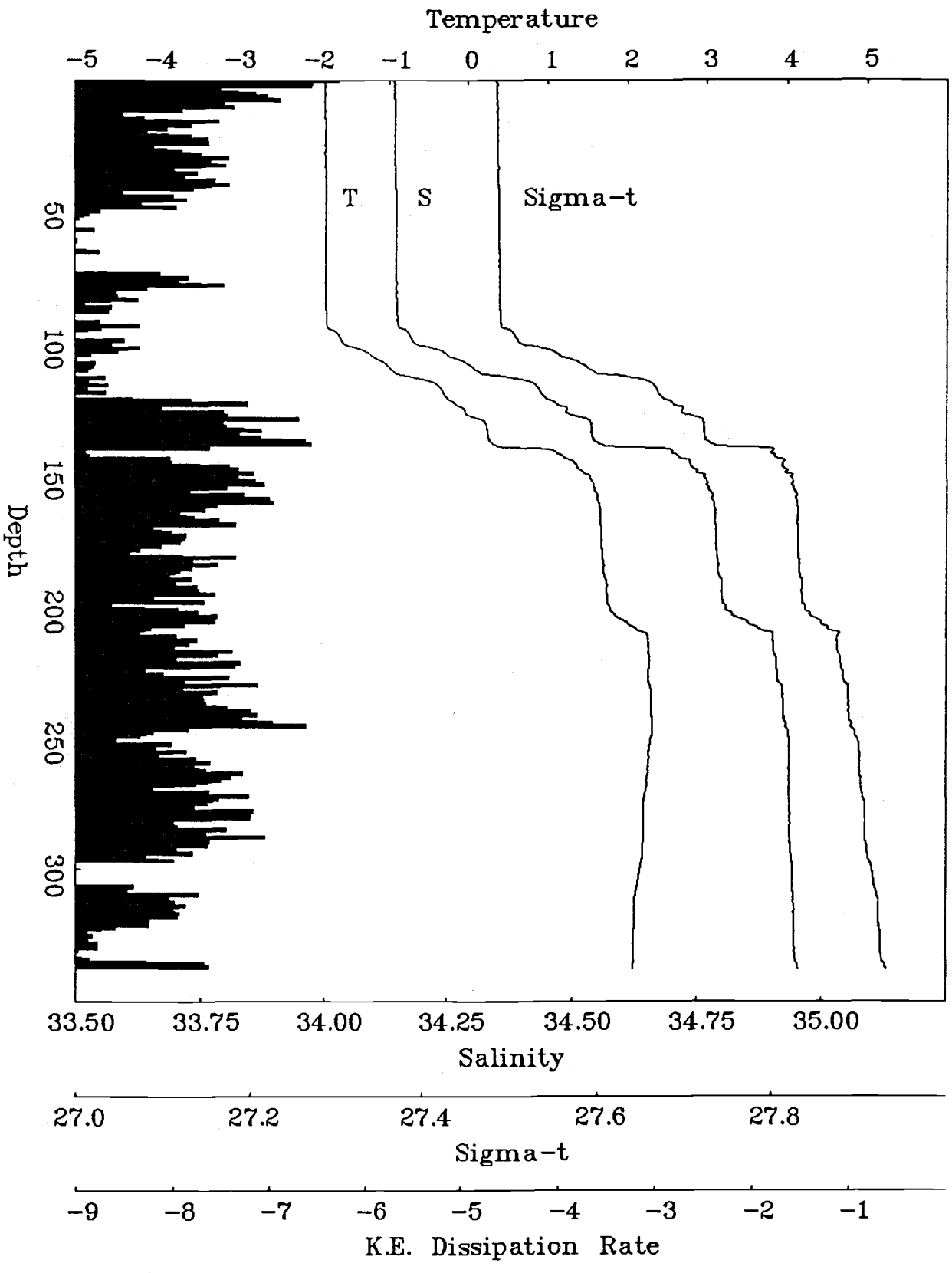

CEAREX Cast 1098, JD 107.6717, 15:59, 82.56N, 8.81E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

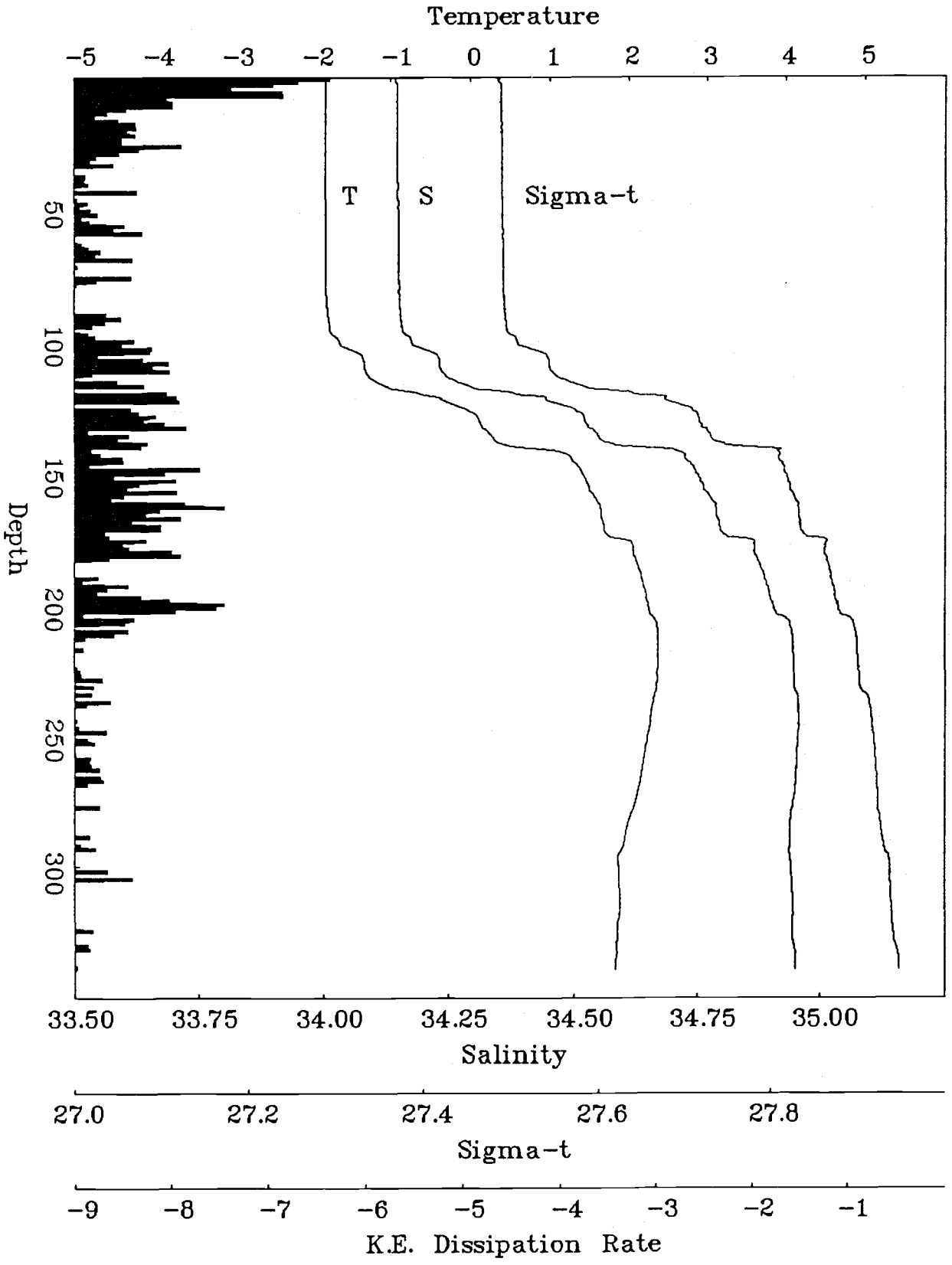

CEAREX Cast 1110, JD 107.8384, 19:59, 82.54N, 8.71E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

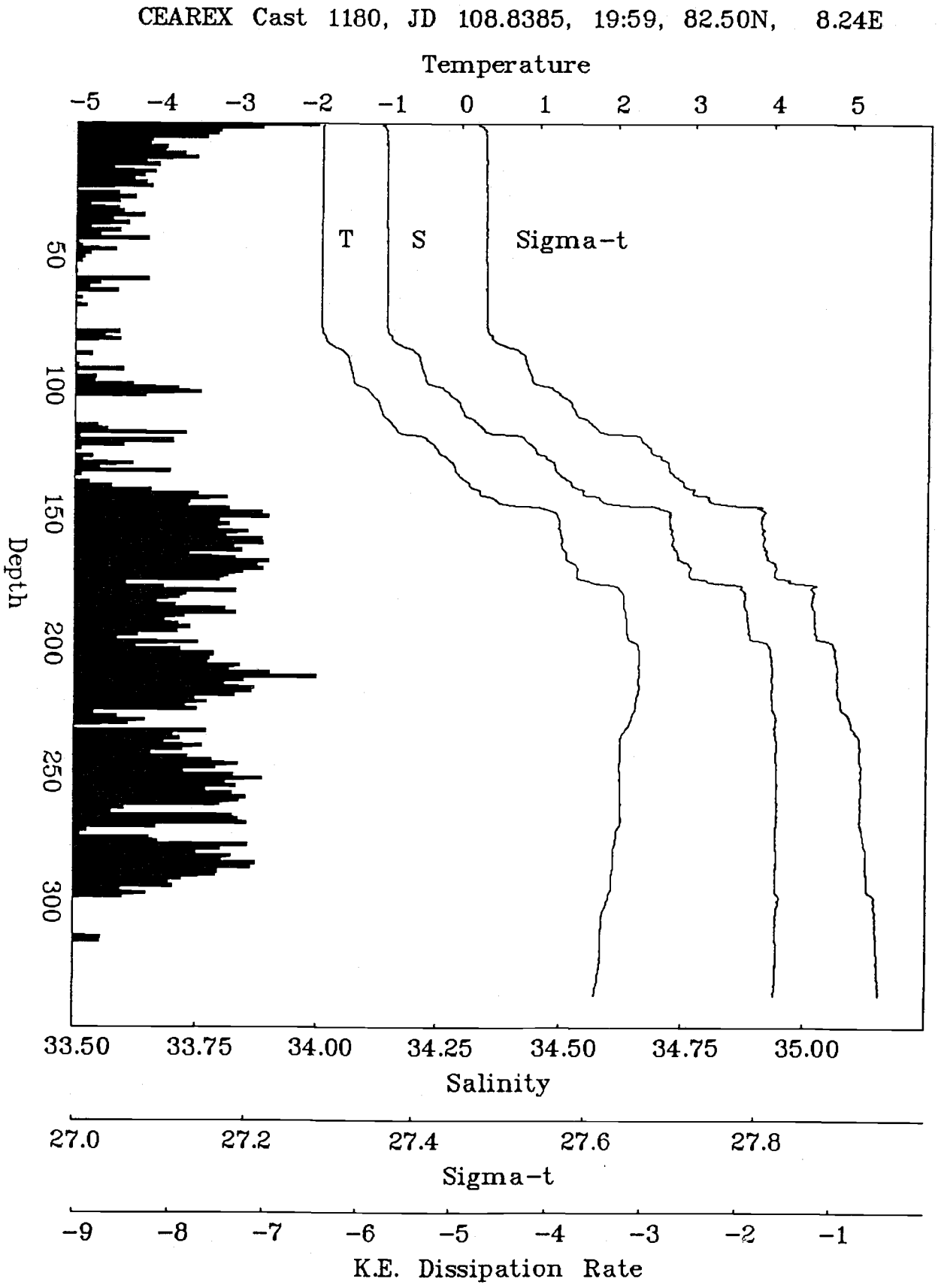

CEAREX Cast 1121, JD 108.0055, 23:59, 82.53N, 8.60E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

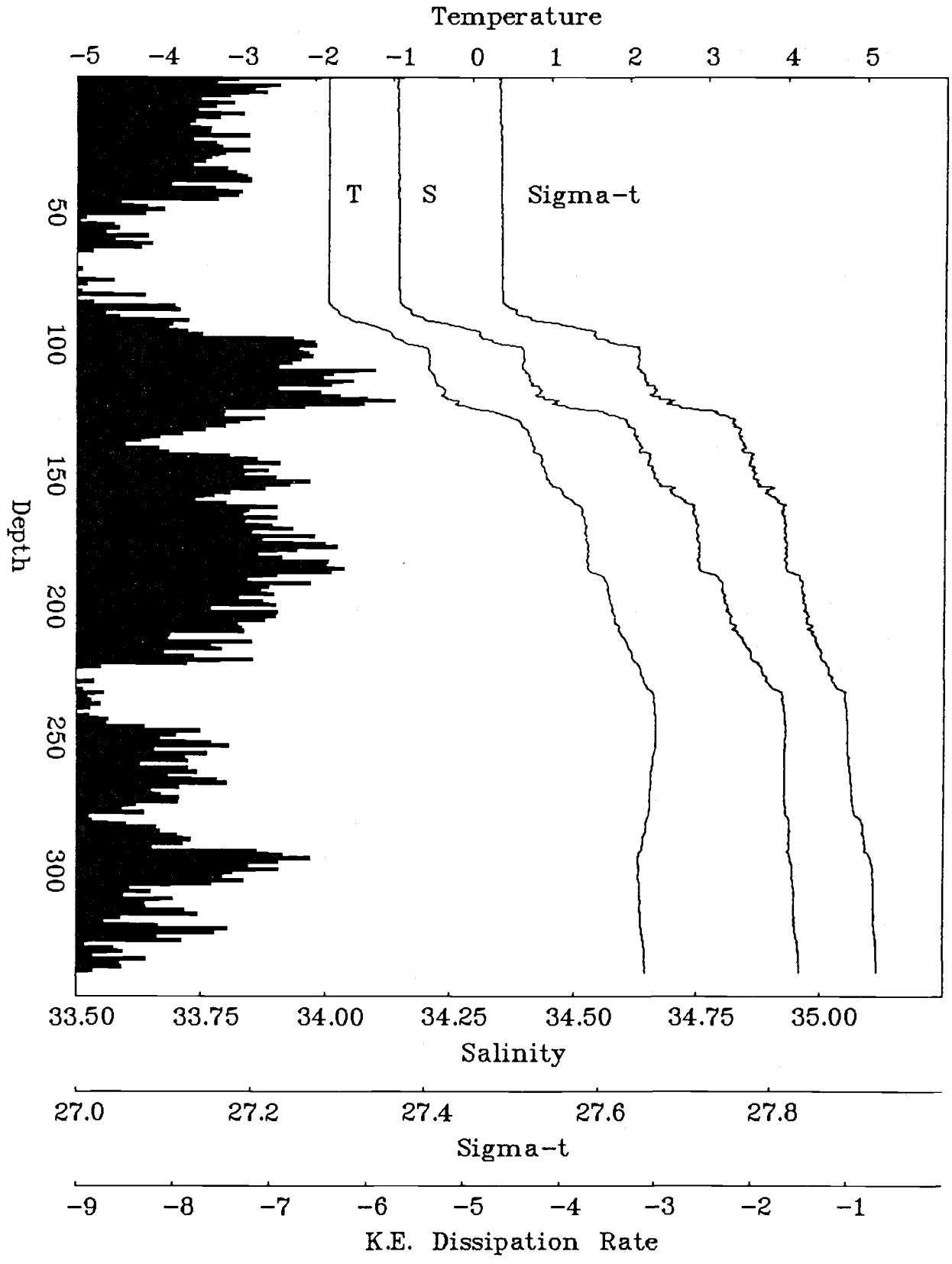

CEAREX Cast 1132, JD 108.1726, 04:00, 82.53N, 8.53E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

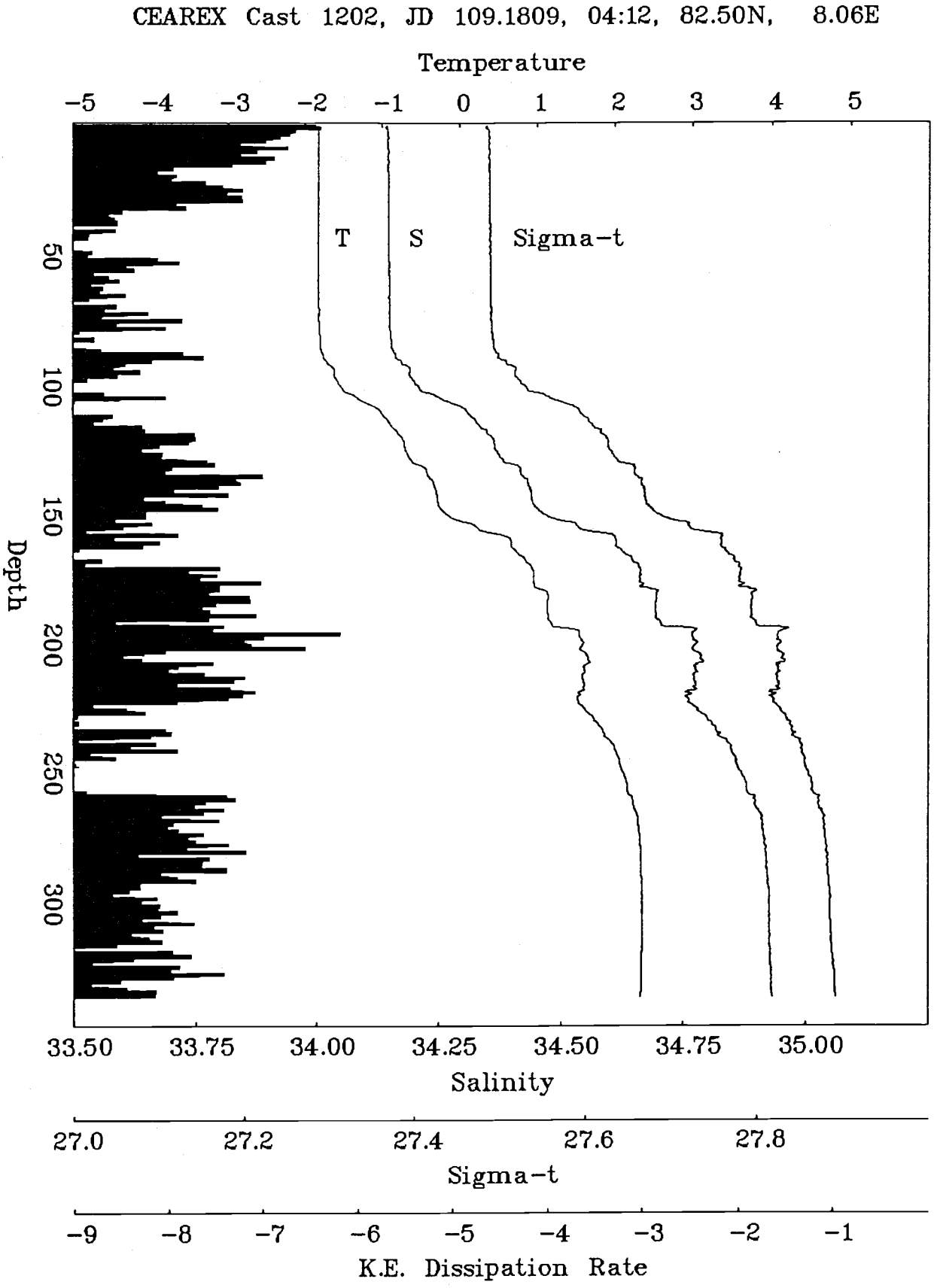

CEAREX Cast 1144, JD 108.3452, 08:09, 82.52N, 8.45E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

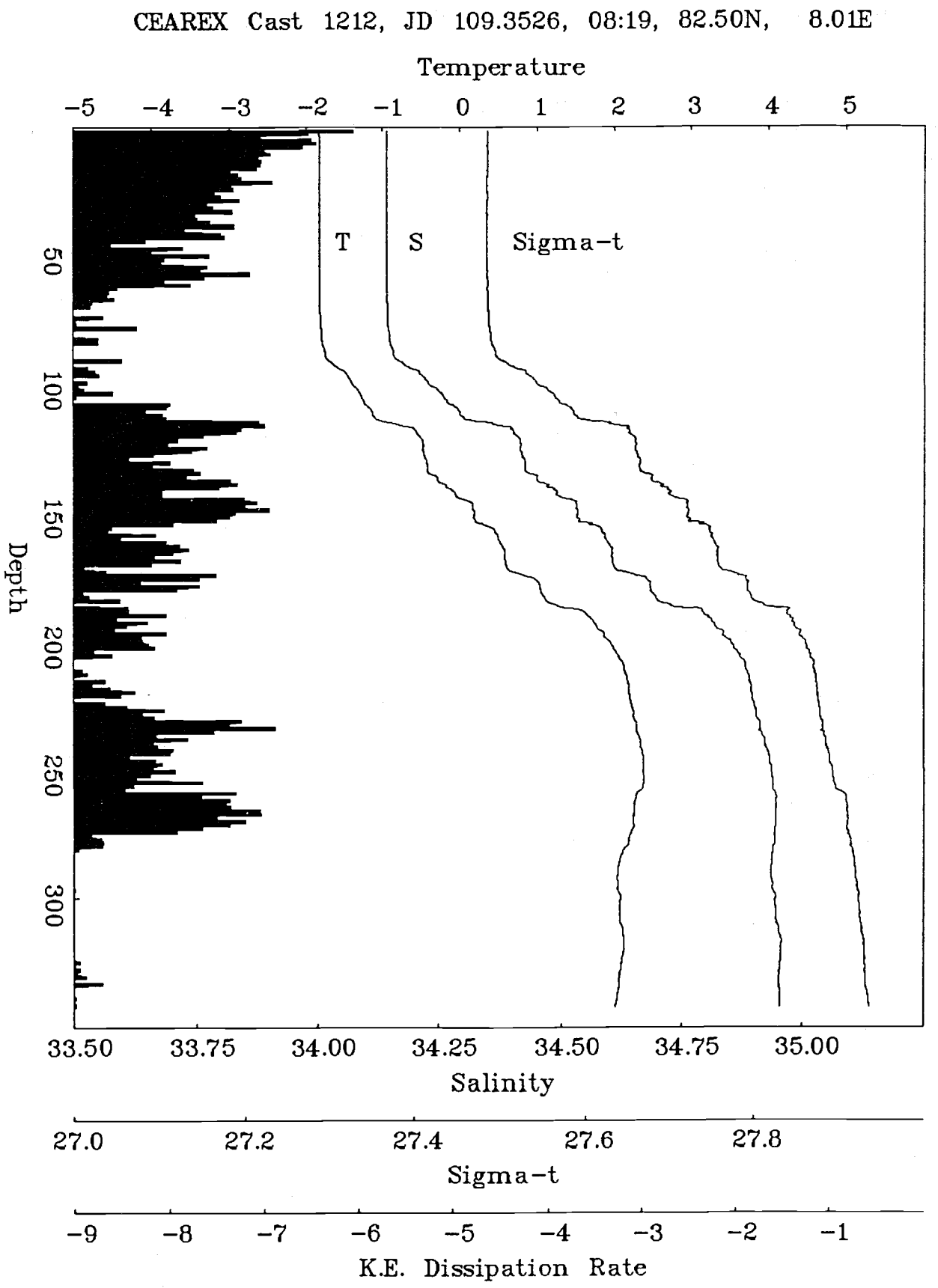

CEAREX Cast 1158, JD 108.5062, 12:00, 82.51N, 8.37E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

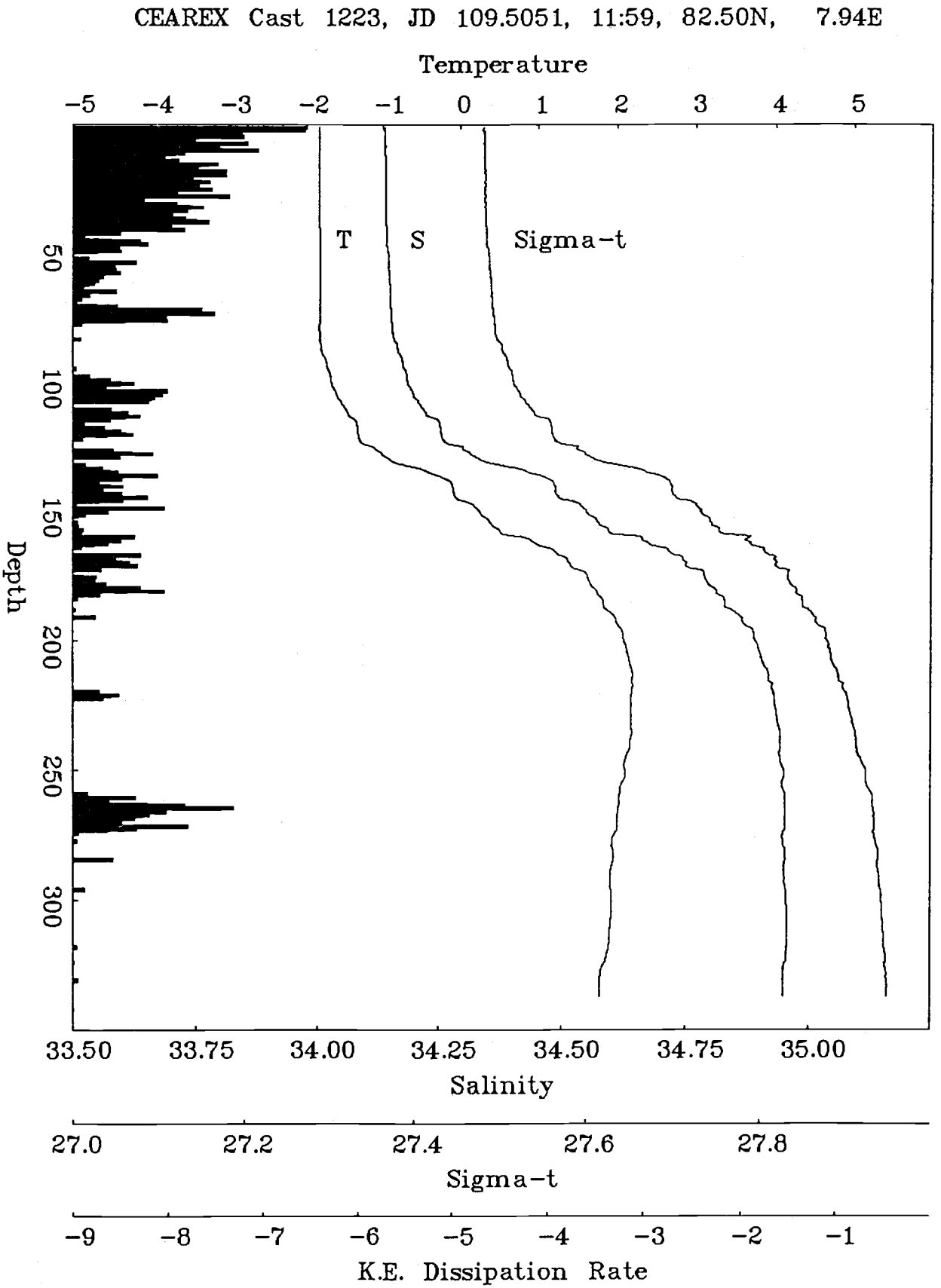

CEAREX Cast 1170, JD 108.6716, 15:59, 82.51N, 8.32E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

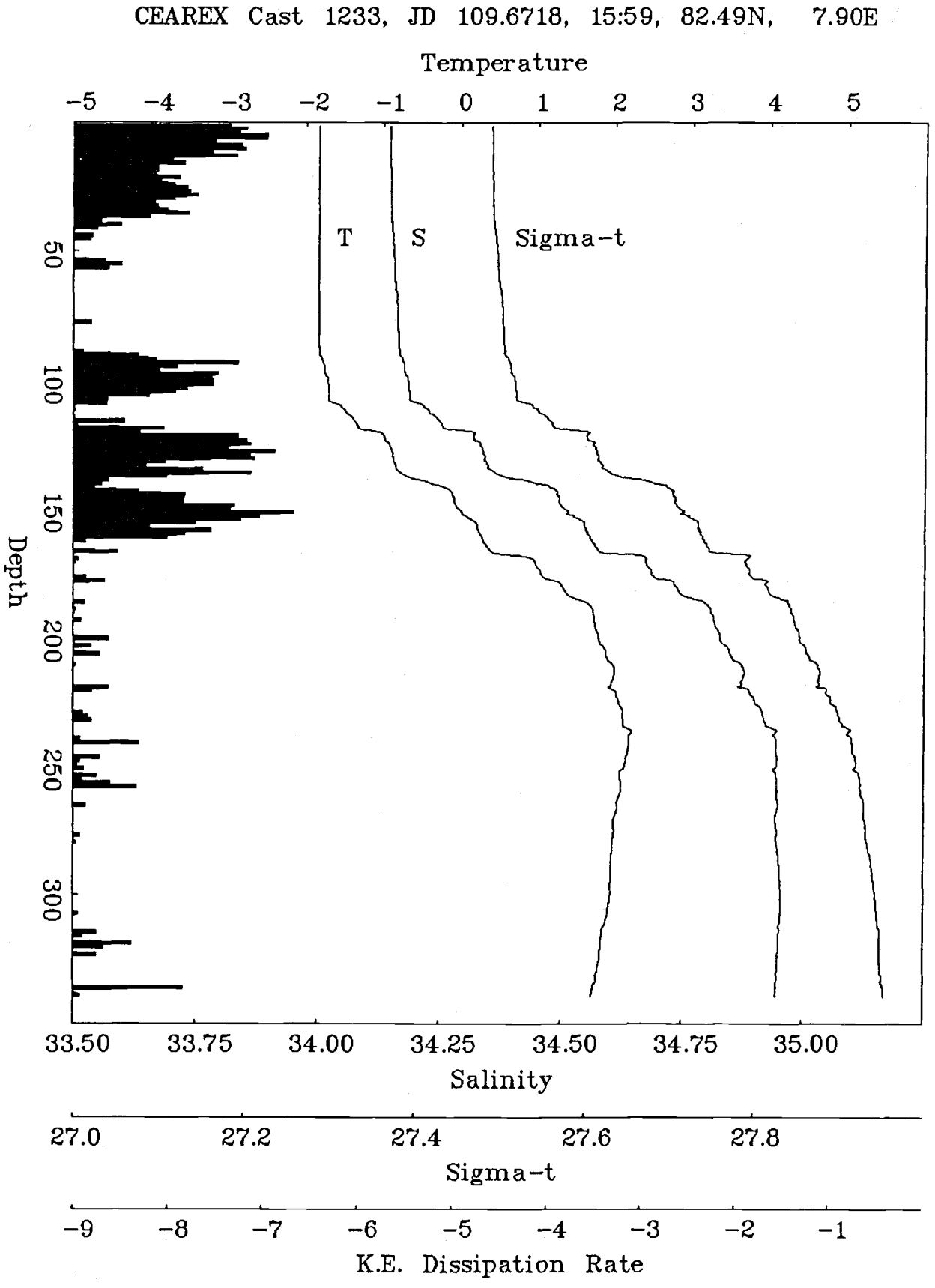

CEAREX Cast 1180, JD 108.8385, 19:59, 82.50N, 8.24E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

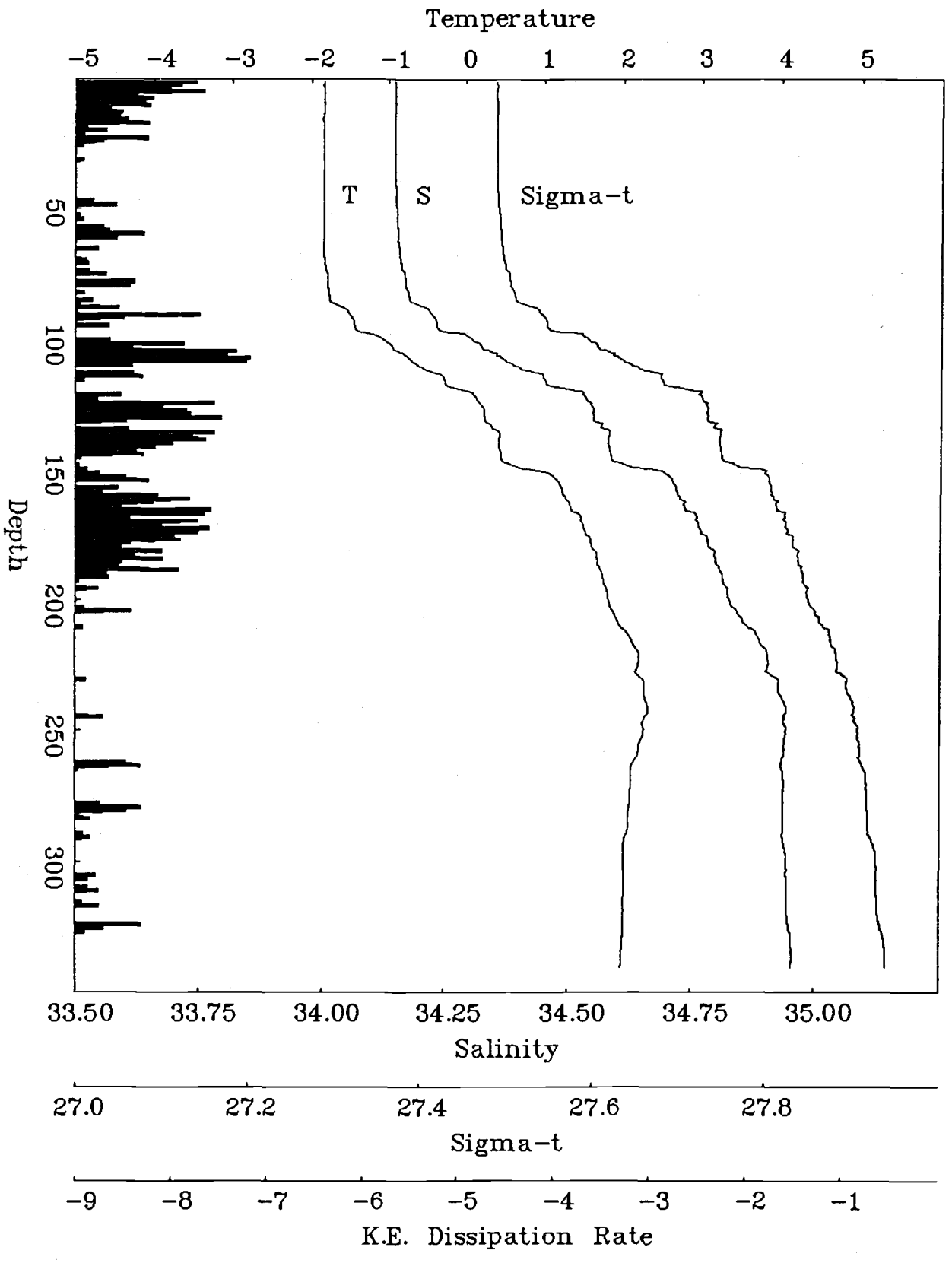

CEAREX Cast 1192, JD 109.0015, 23:54, 82.50N, 8.11E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

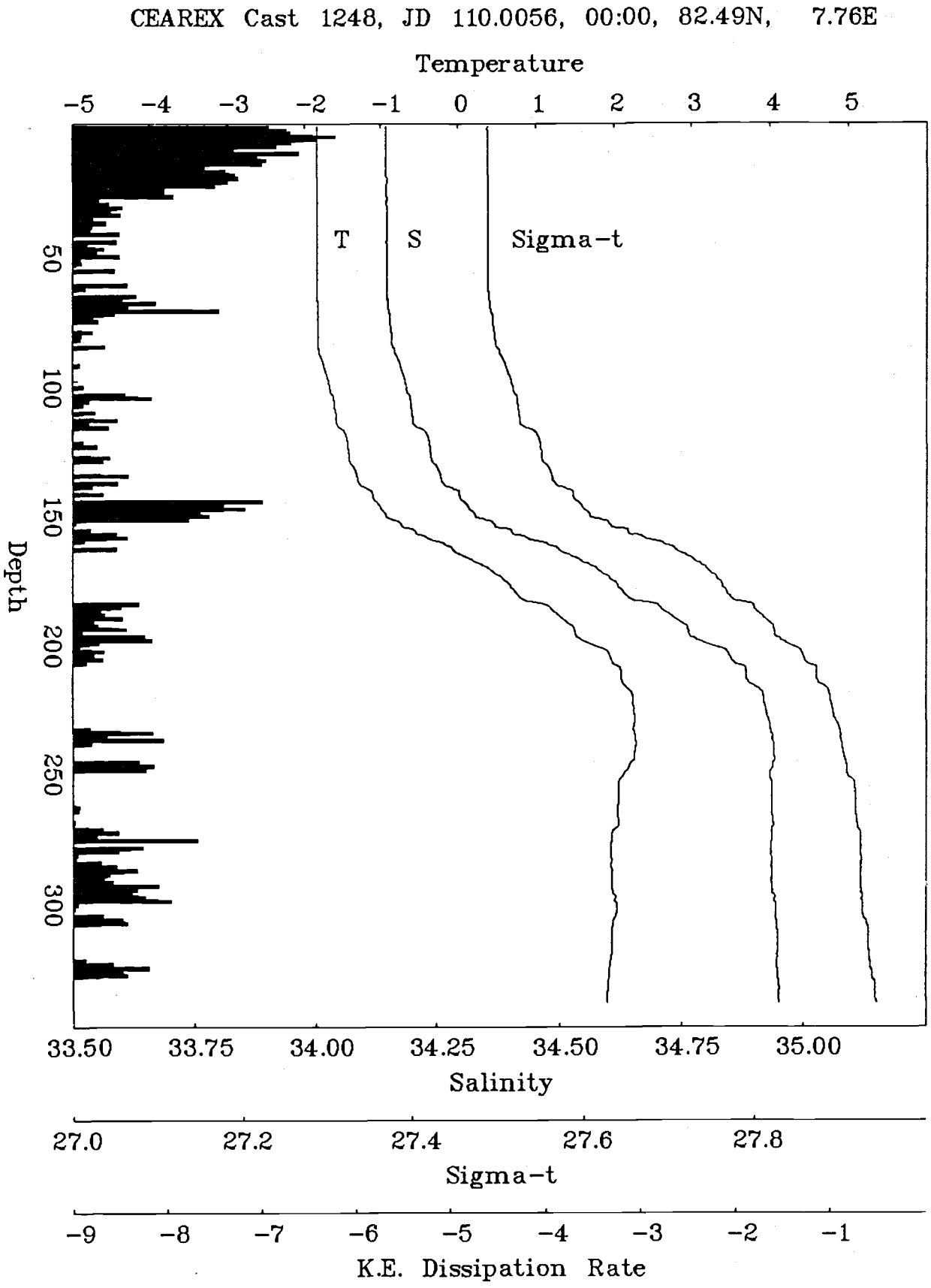

CEAREX Cast 1202, JD 109.1809, 04:12, 82.50N, 8.06E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

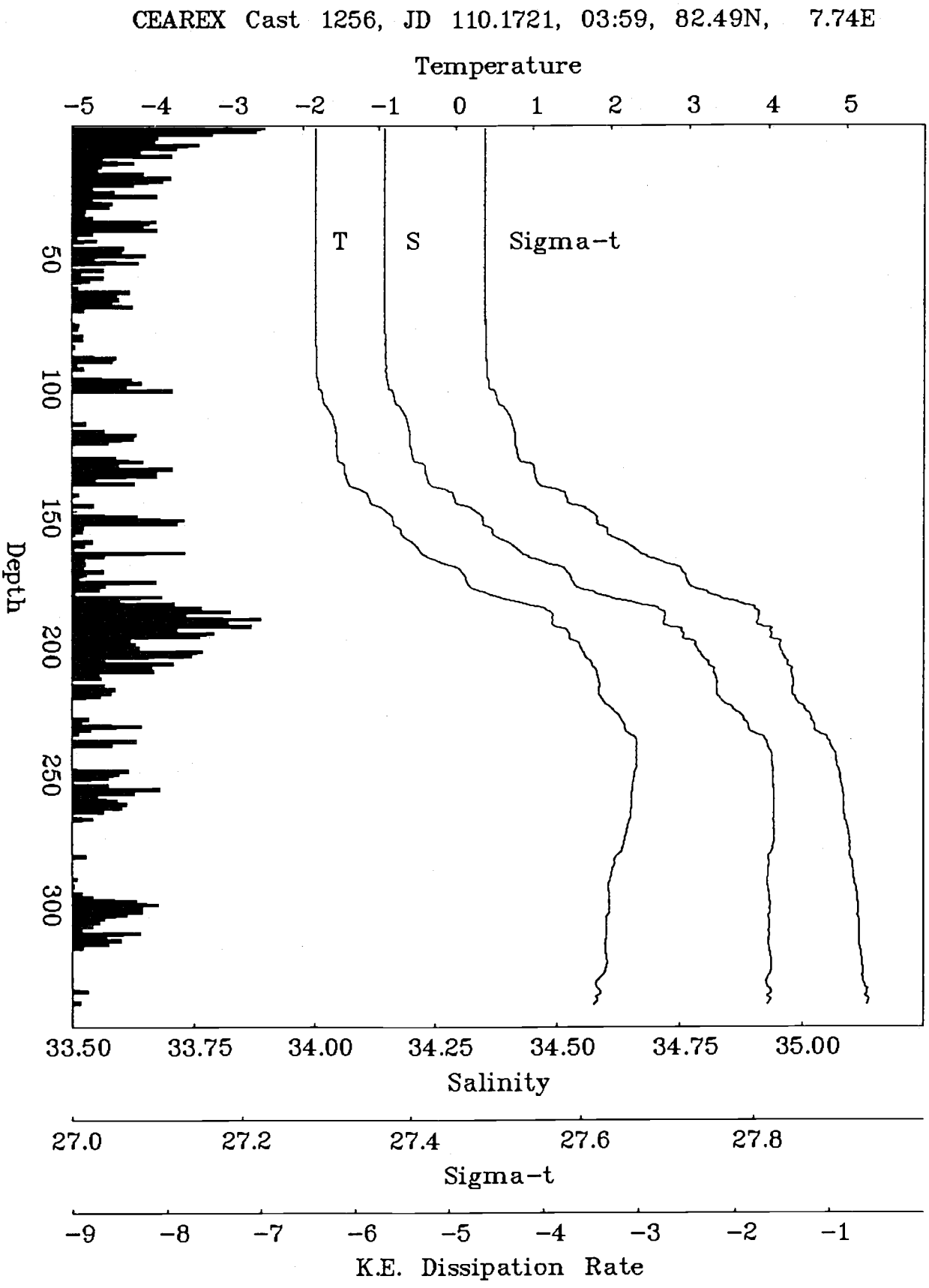

CEAREX Cast 1212, JD 109.3526, 08:19, 82.50N, 8.01E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

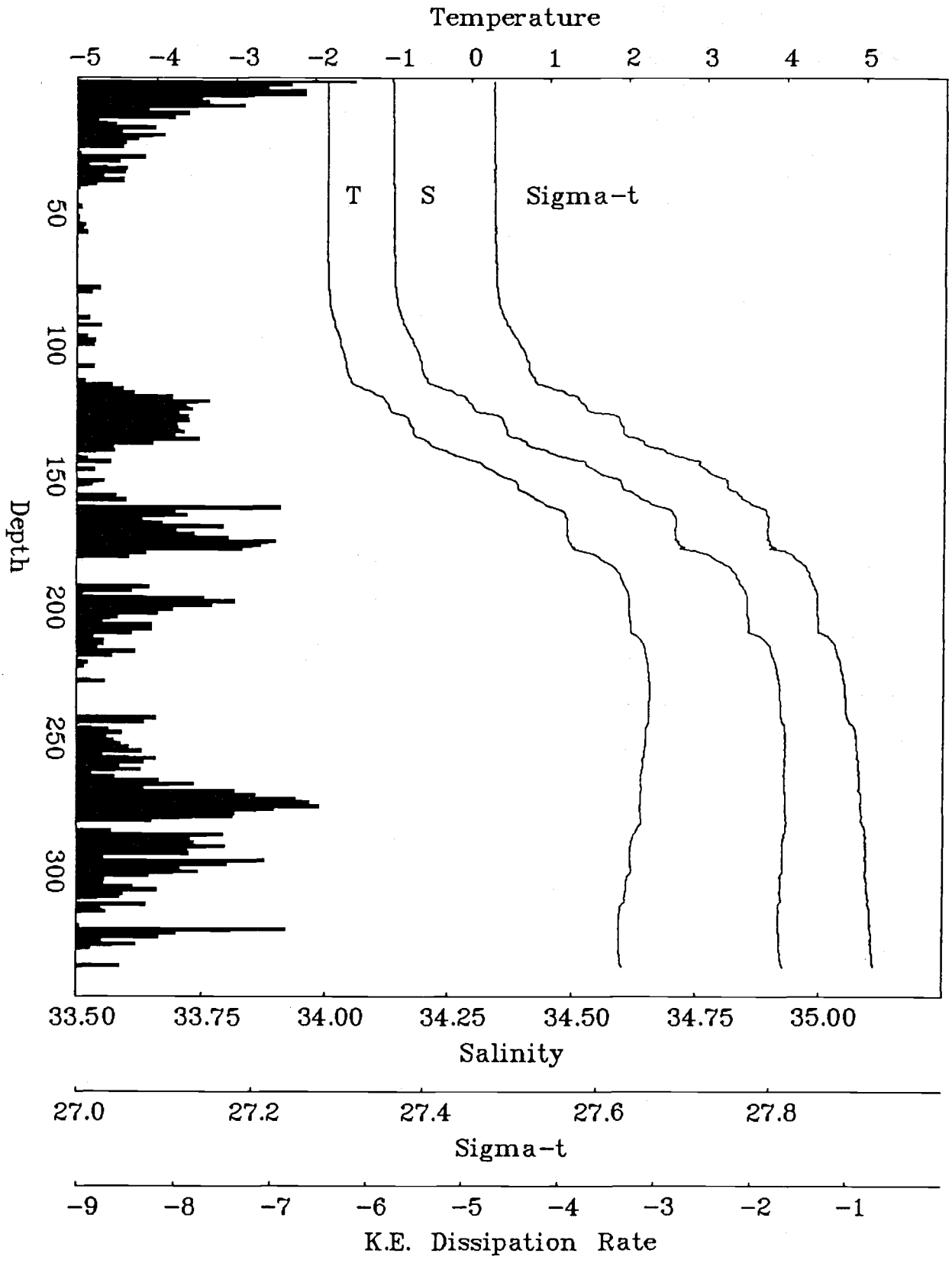

CEAREX Cast 1223, JD 109.5051, 11:59, 82.50N, 7.94E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

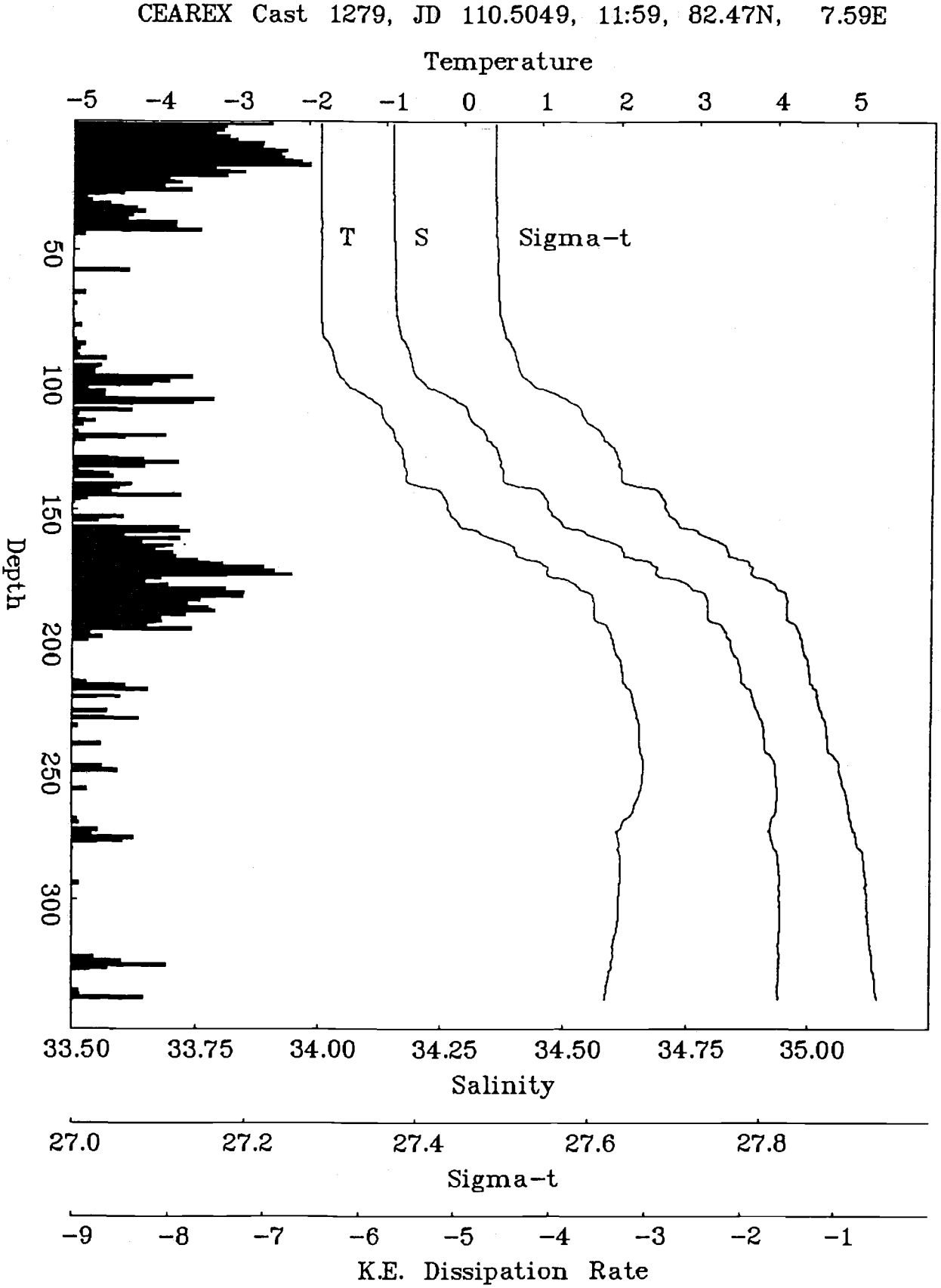

CEAREX Cast 1233, JD 109.6718, 15:59, 82.49N, 7.90E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

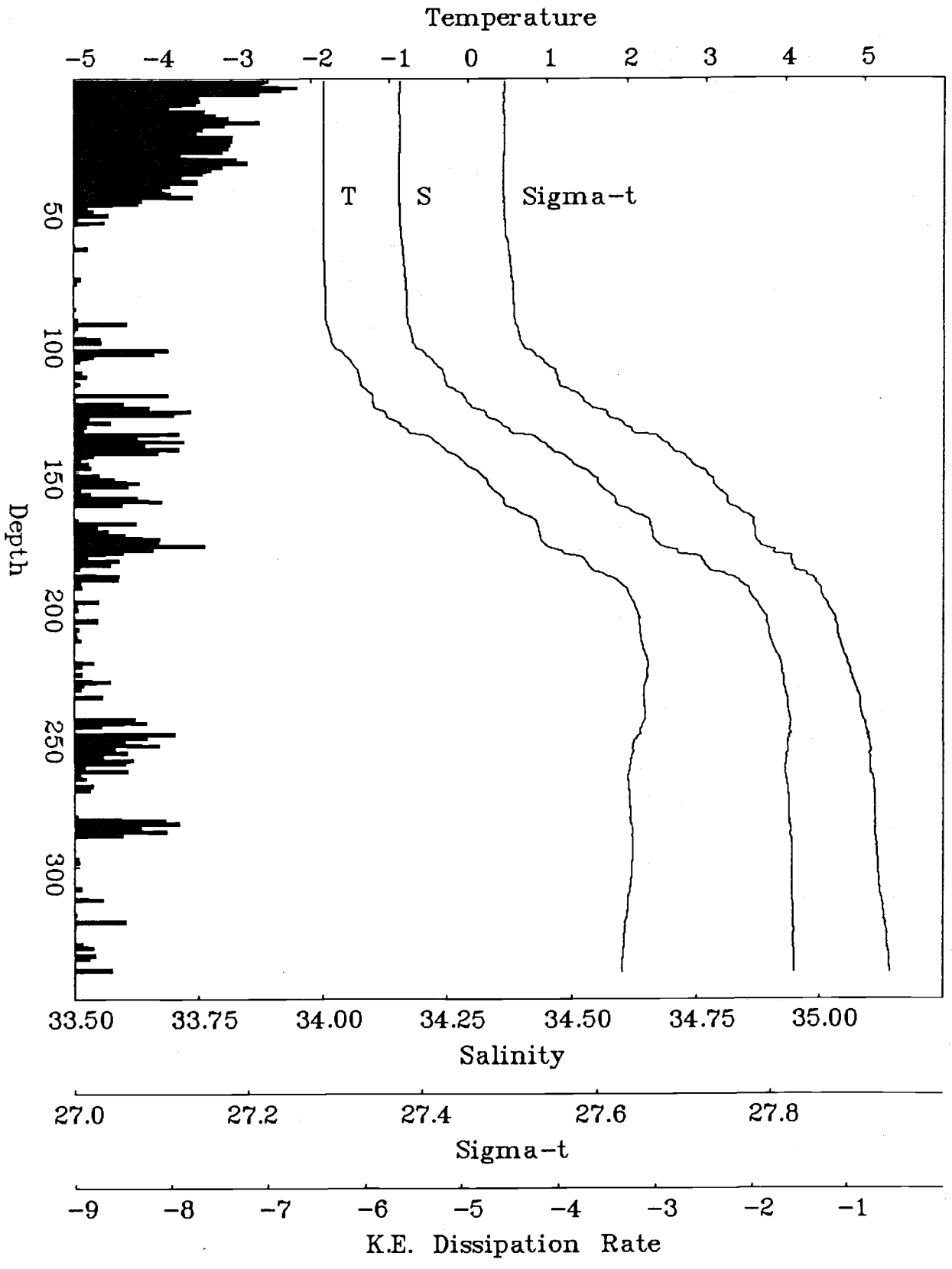

CEAREX Cast 1242, JD 109.8384, 19:59, 82.49N, 7.83E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate


CEAREX Cast 1248, JD 110.0056, 00:00, 82.49N, 7.76E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

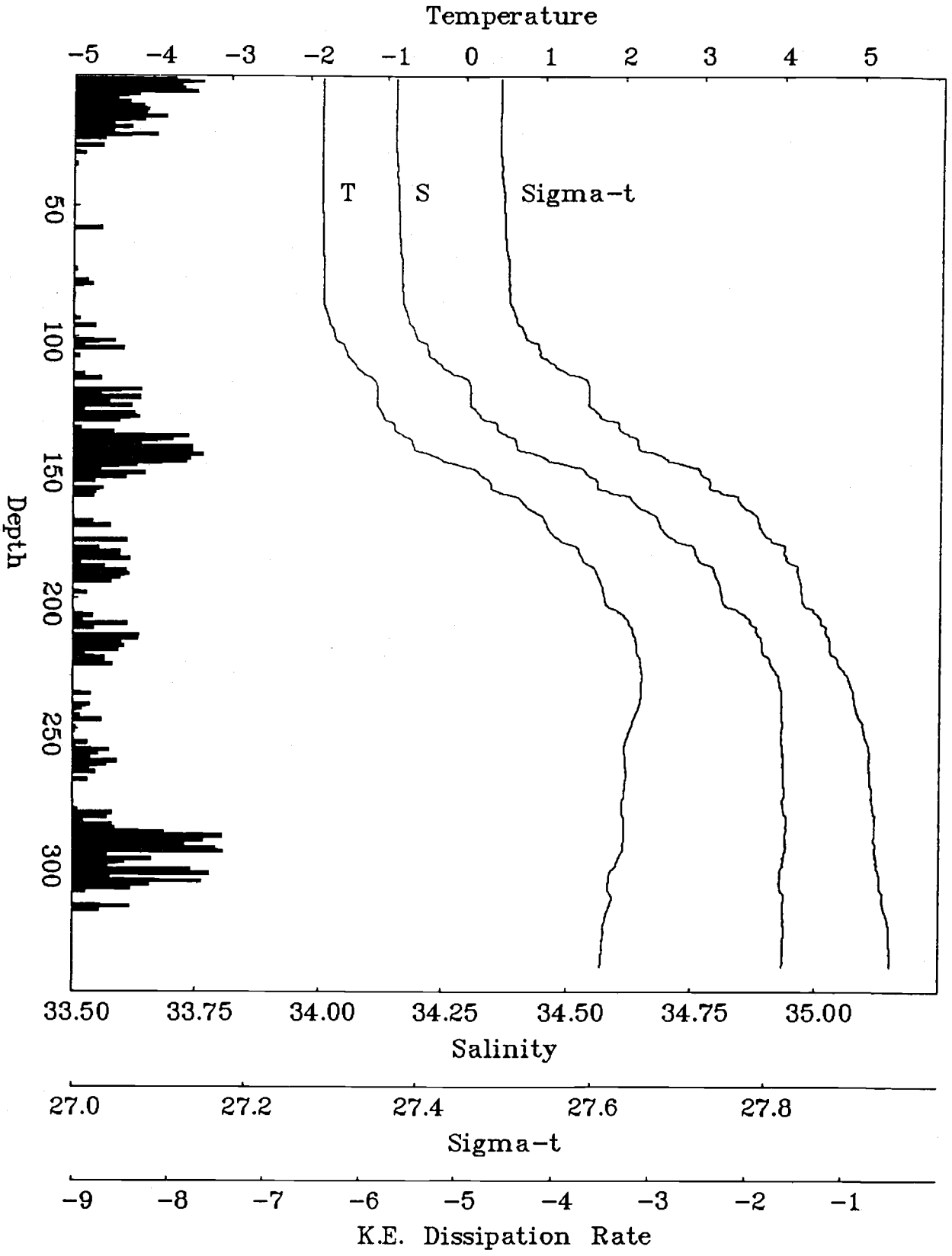

CEAREX Cast 1256, JD 110.1721, 03:59, 82.49N, 7.74E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

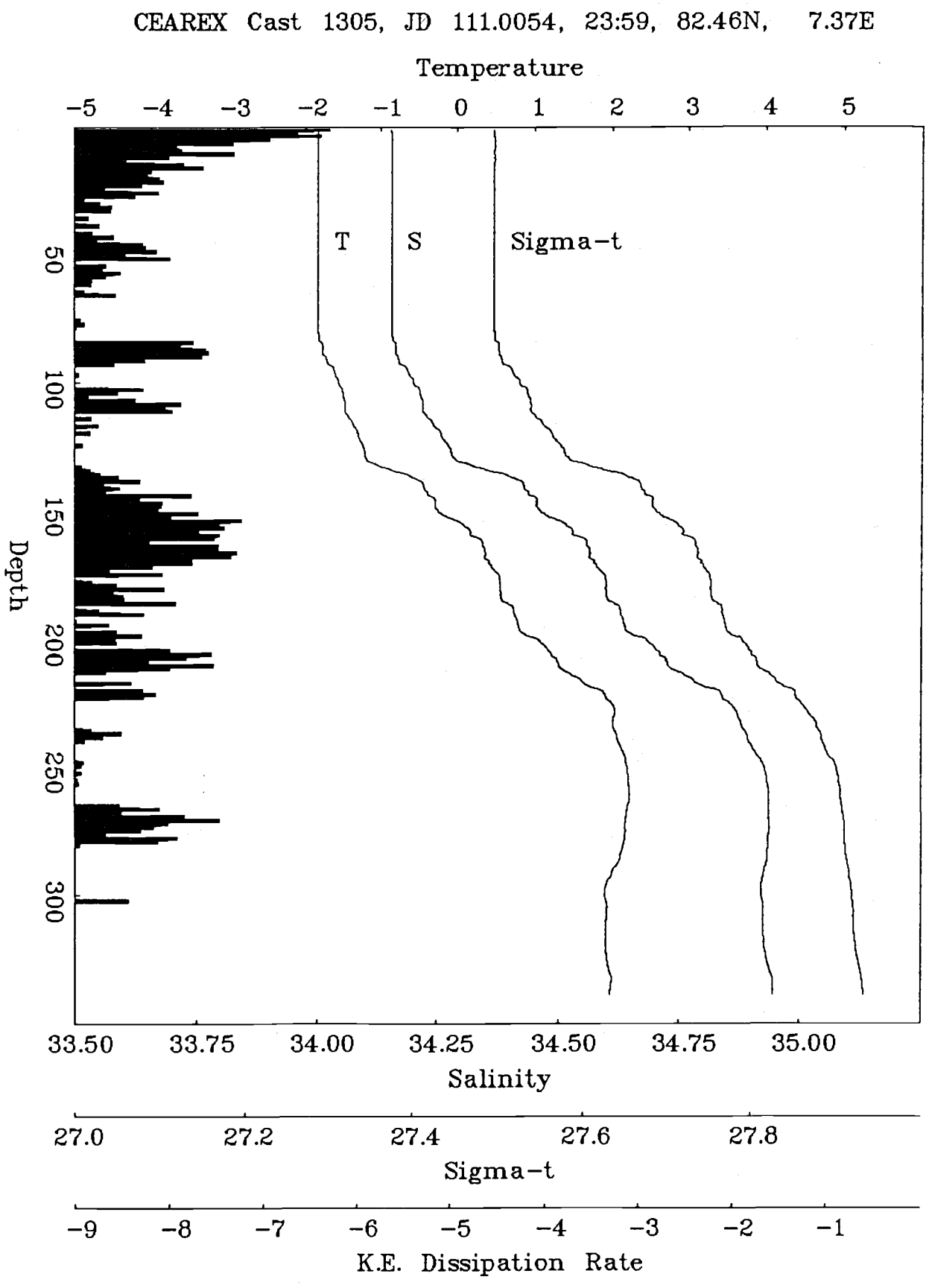

CEAREX Cast 1265, JD 110.3393, 08:00, 82.48N, 7.68E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

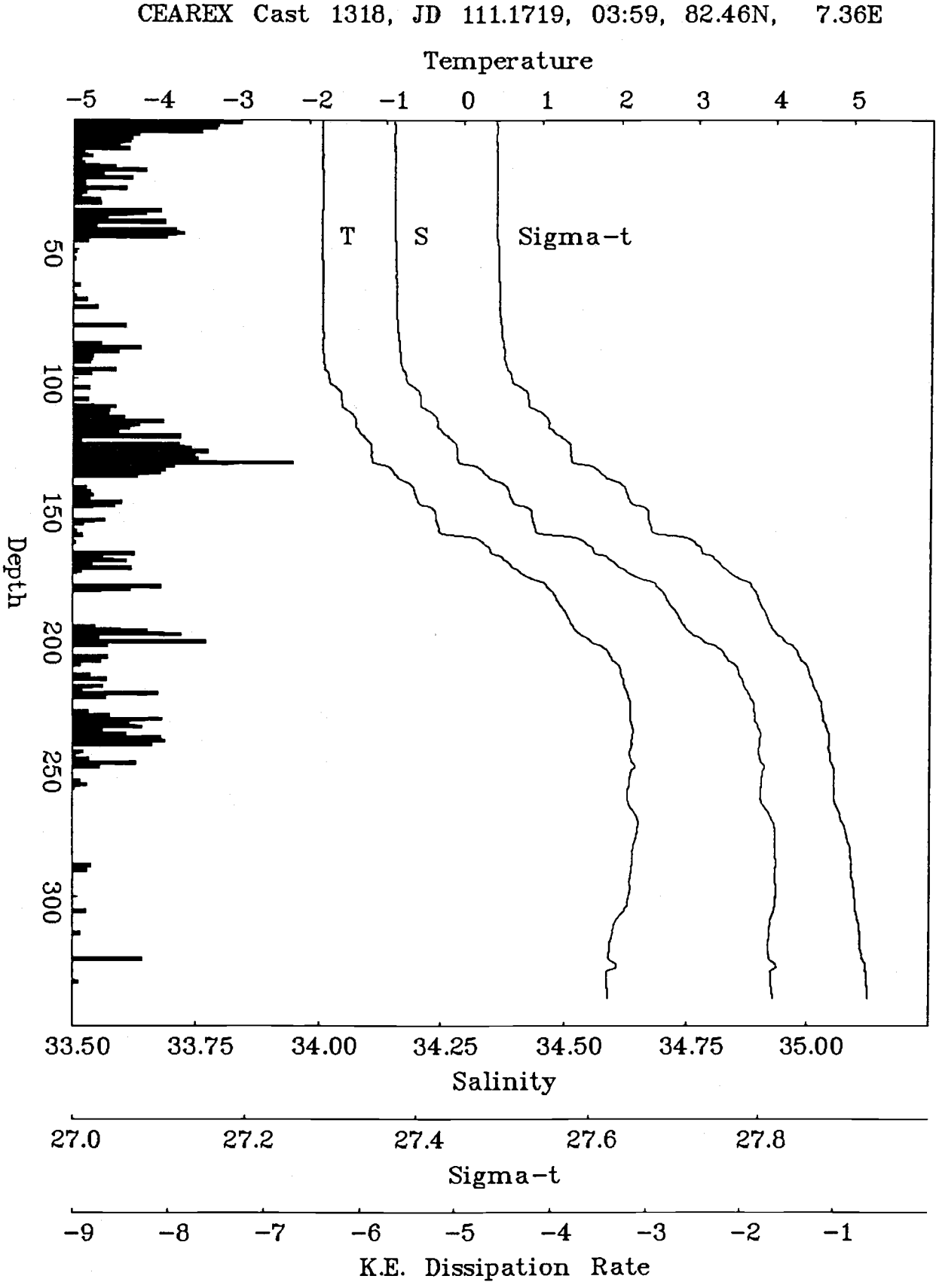

CEAREX Cast 1279, JD 110.5049, 11:59, 82.47N, 7.59E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

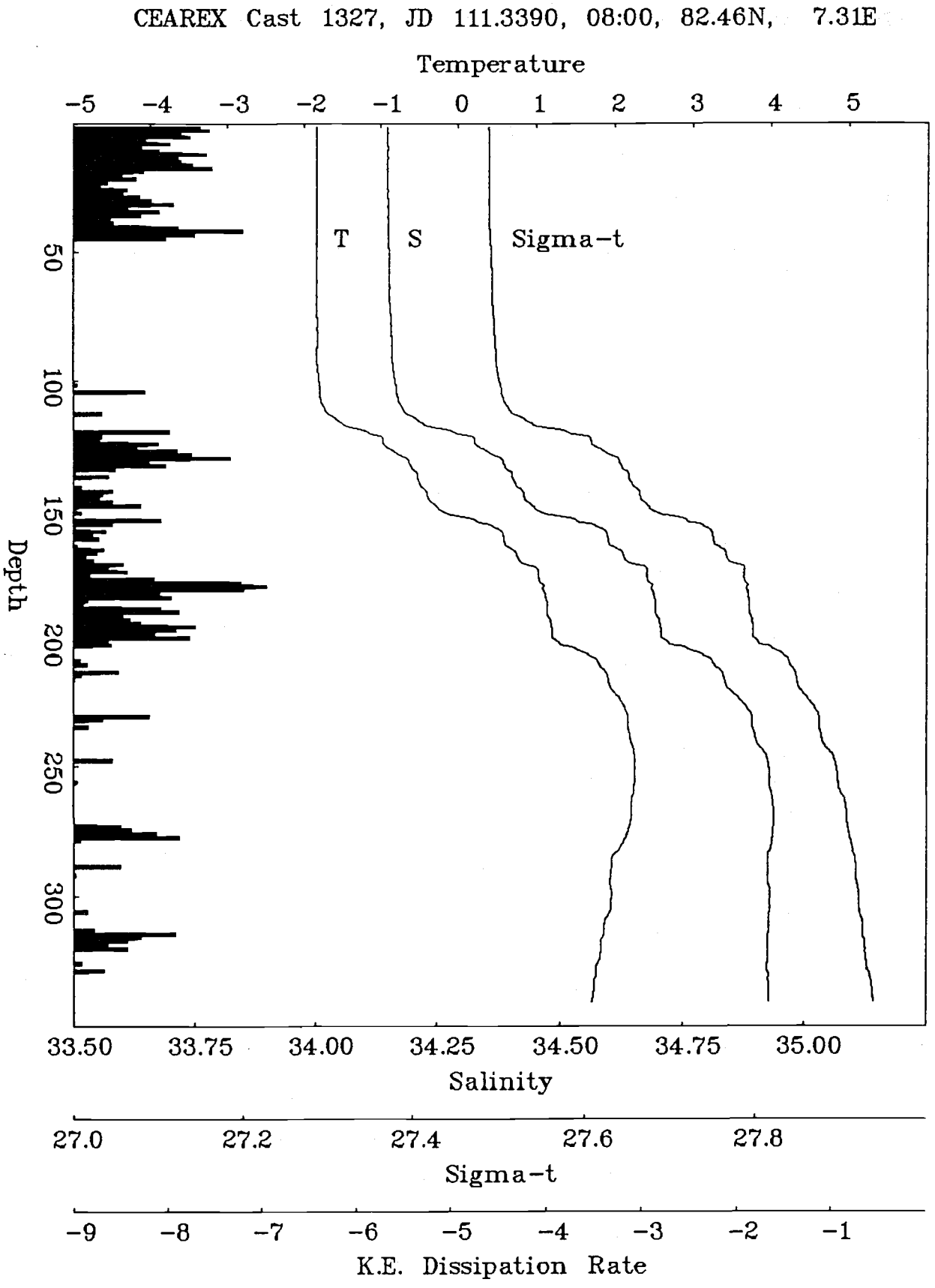

CEAREX Cast 1289, JD 110.6716, 15:59, 82.47N, 7.52E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

CEAREX Cast 1297, JD 110.8383, 19:59, 82.47N, 7.43E




CEAREX Cast 1305, JD 111.0054, 23:59, 82.46N, 7.37E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate


CEAREX Cast 1318, JD 111.1719, 03:59, 82.46N, 7.36E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate


CEAREX Cast 1327, JD 111.3390, 08:00, 82.46N, 7.31E
Temperature
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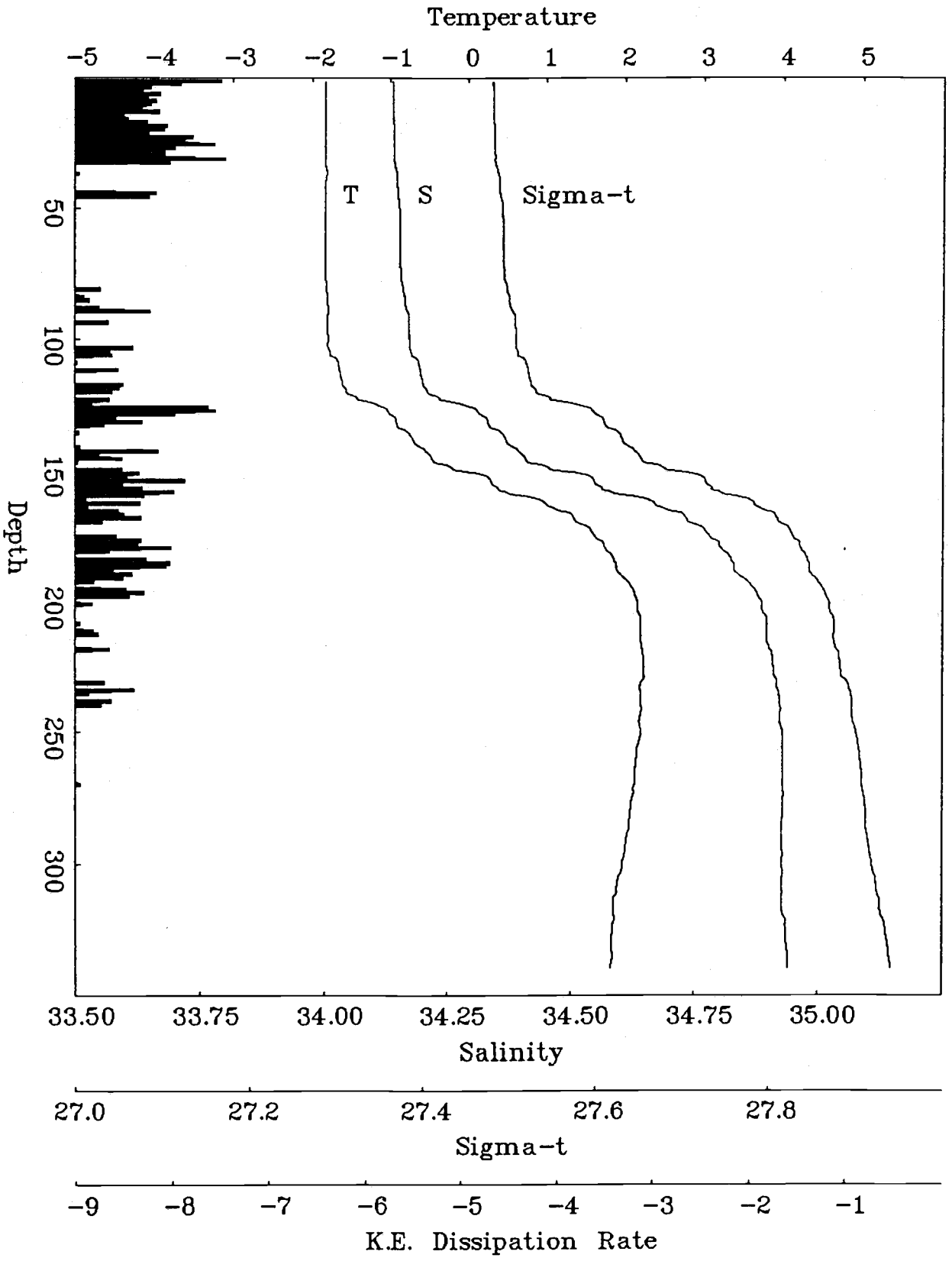
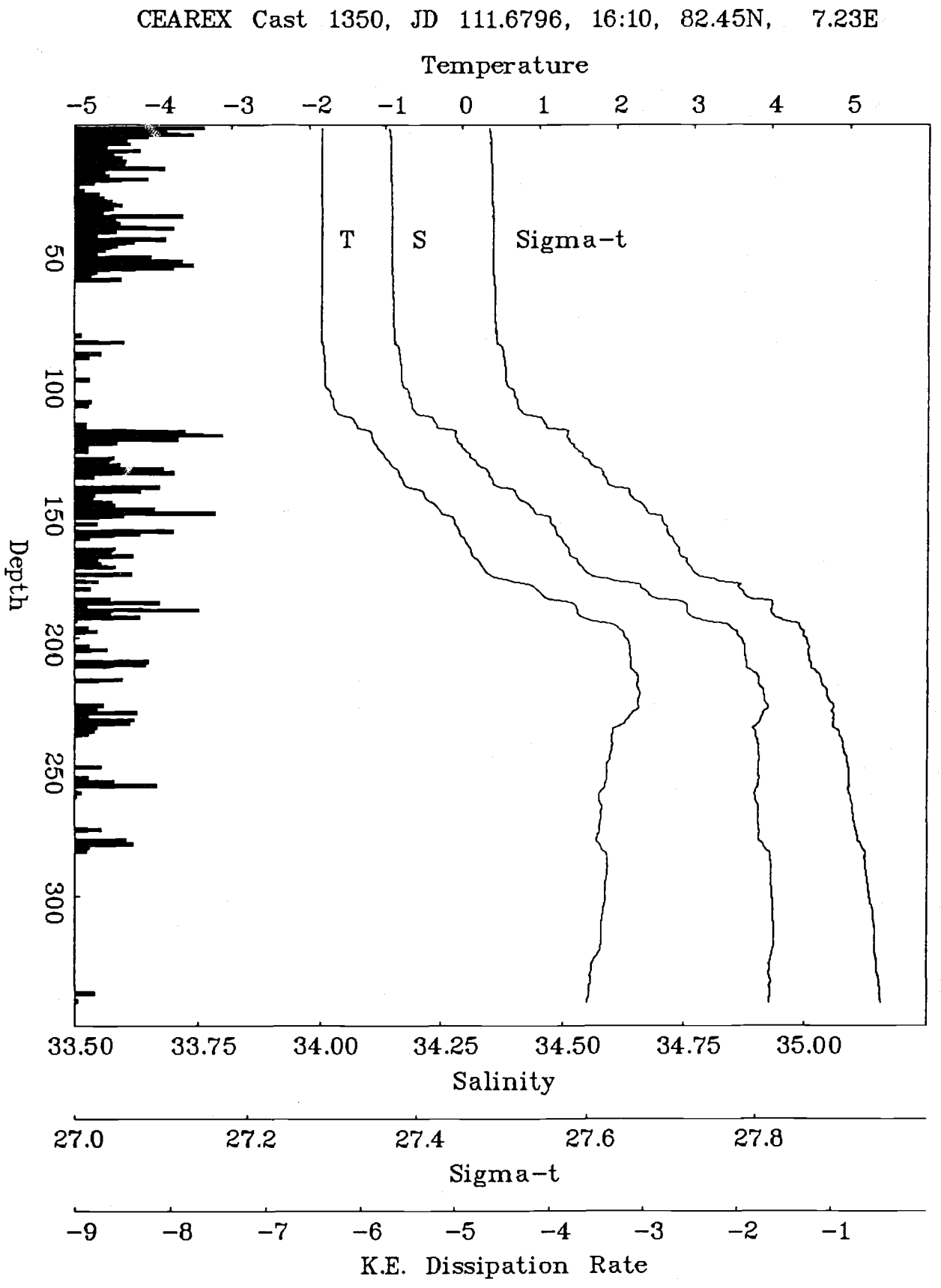
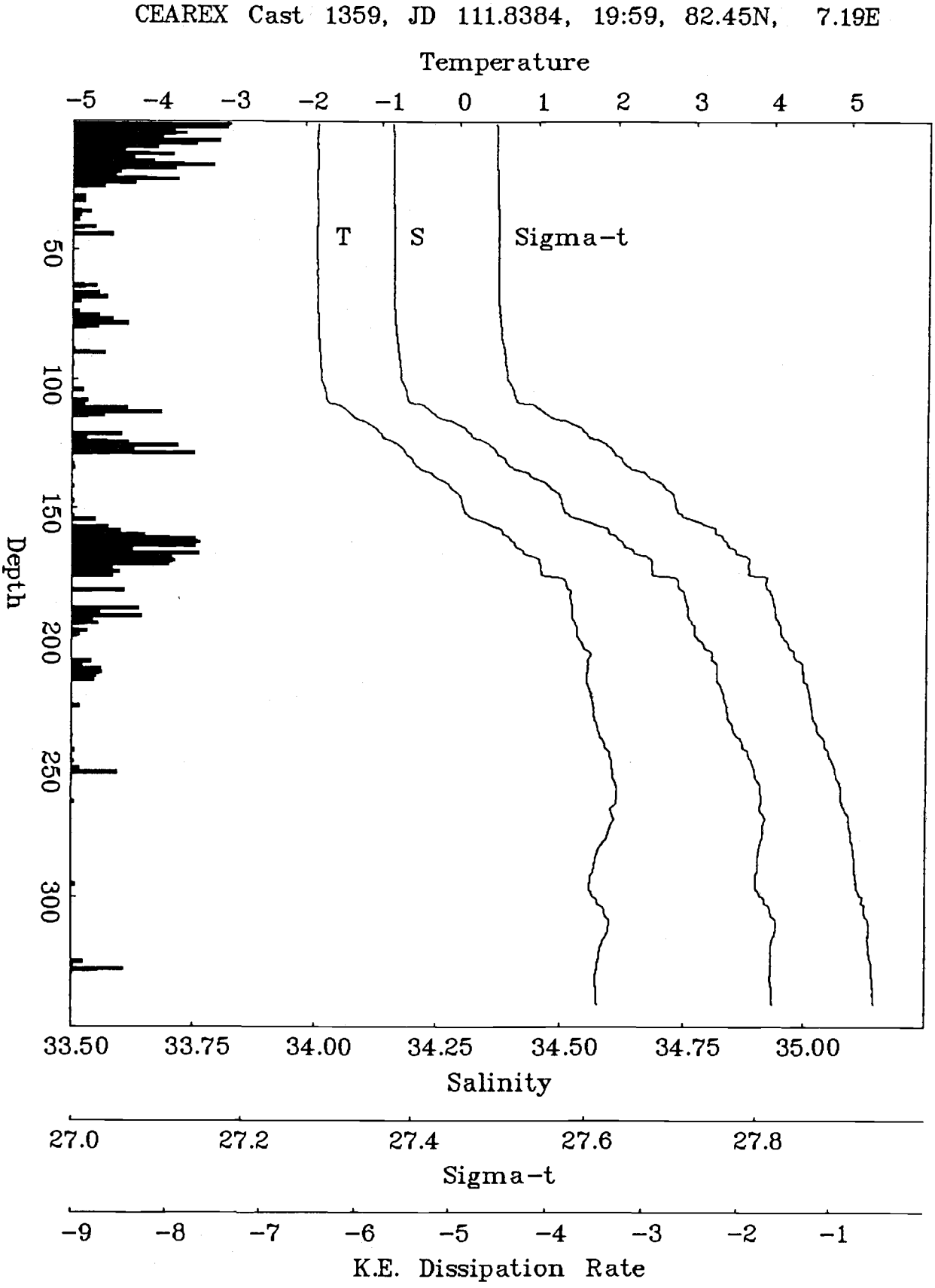
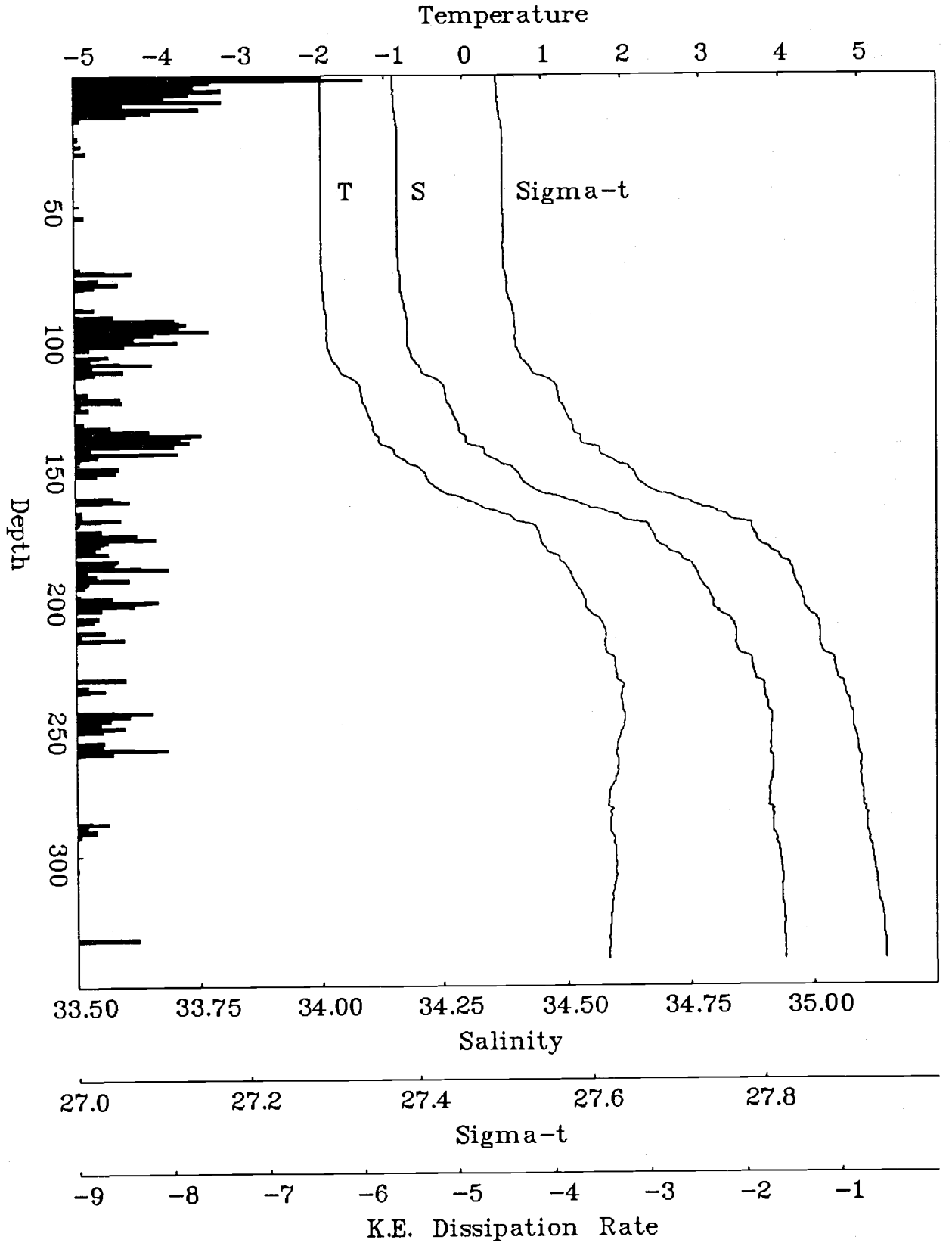
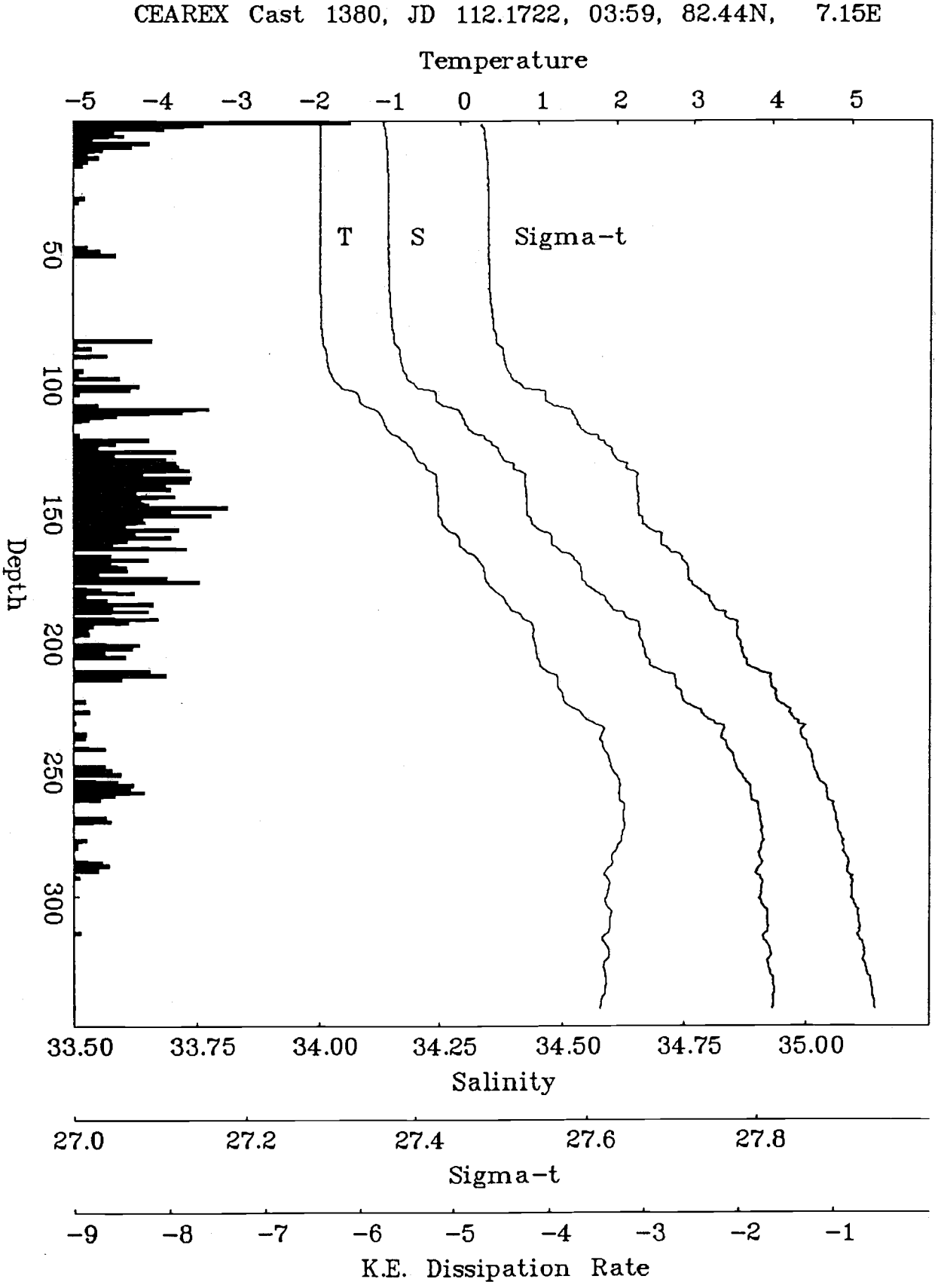
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

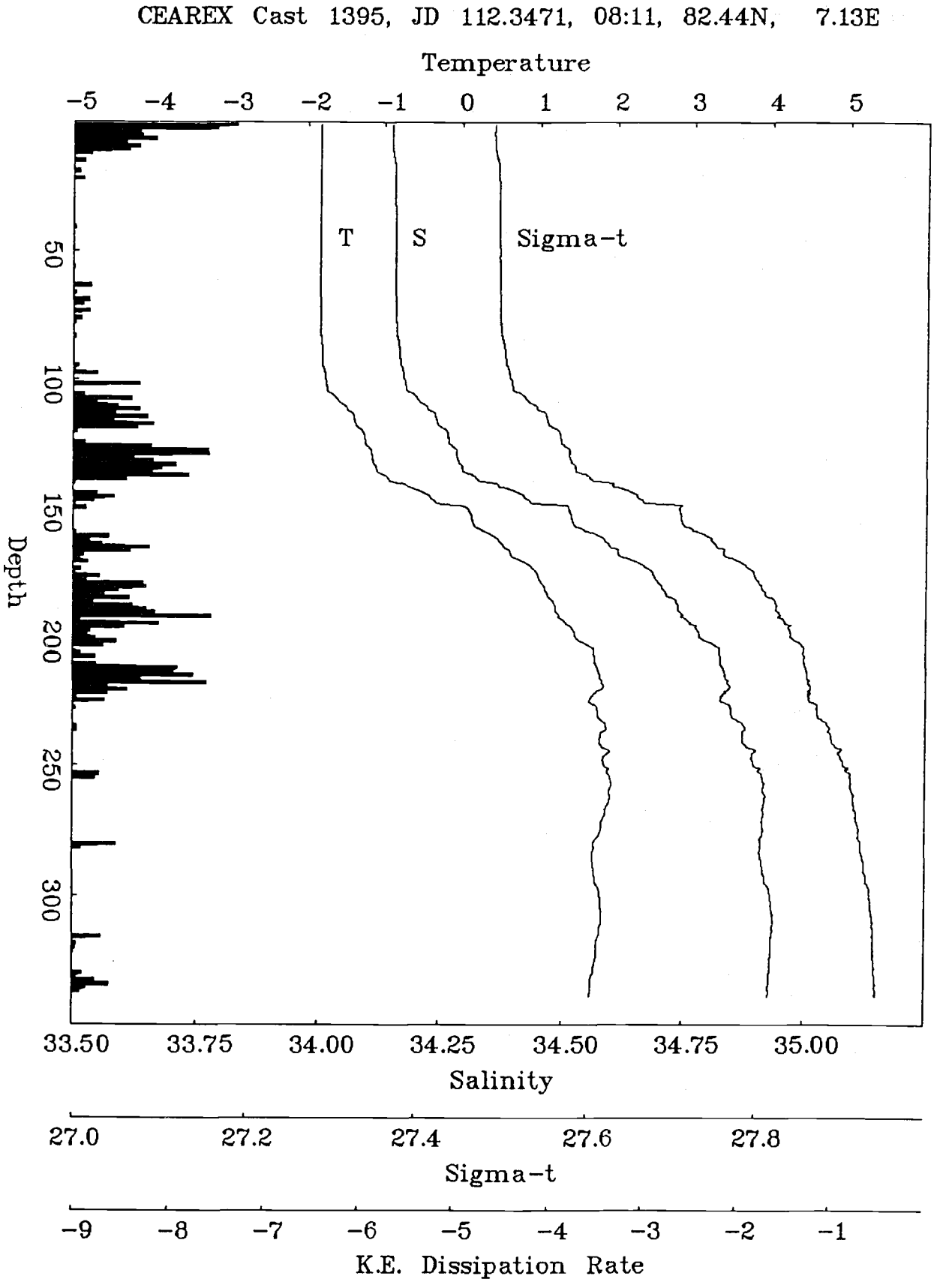

CEAREX Cast 1339, JD 111.5053, 11:59, 82.45N, 7.26E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

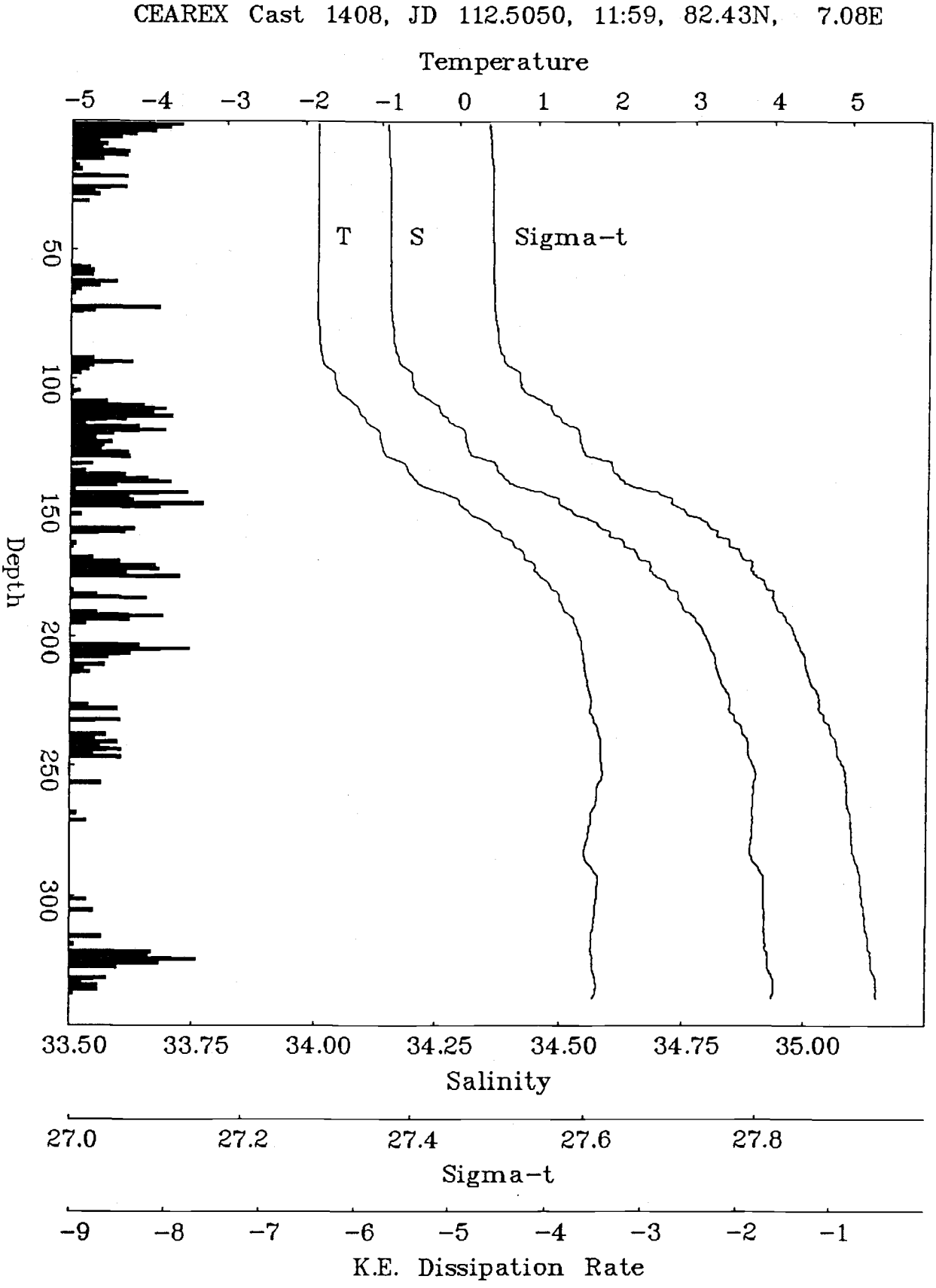

CEAREX Cast 1350, JD 111.6796, 16:10, 82.45N, 7.23E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

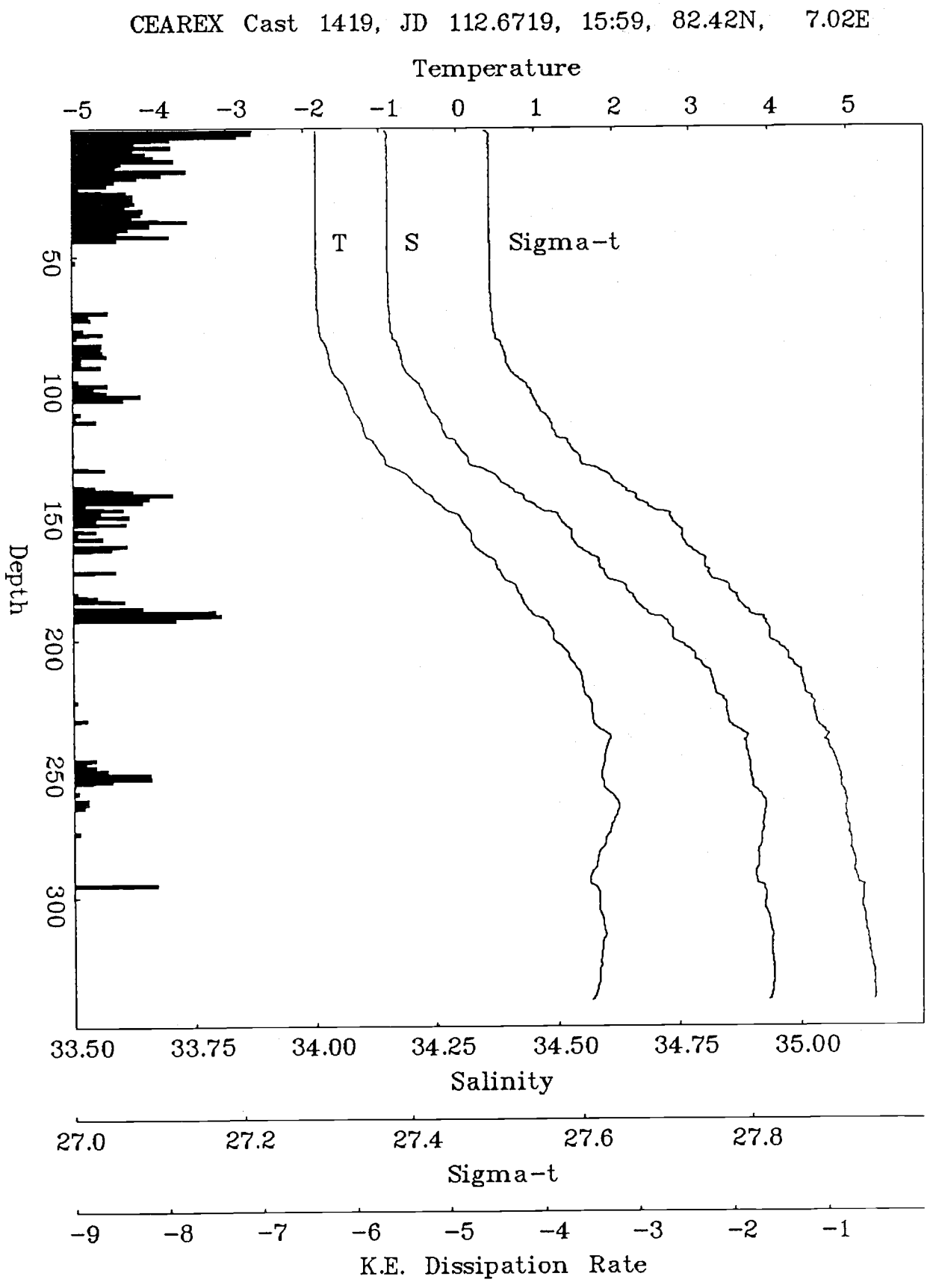

CEAREX Cast 1359, JD 111.8384, 19:59, 82.45N, 7.19E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

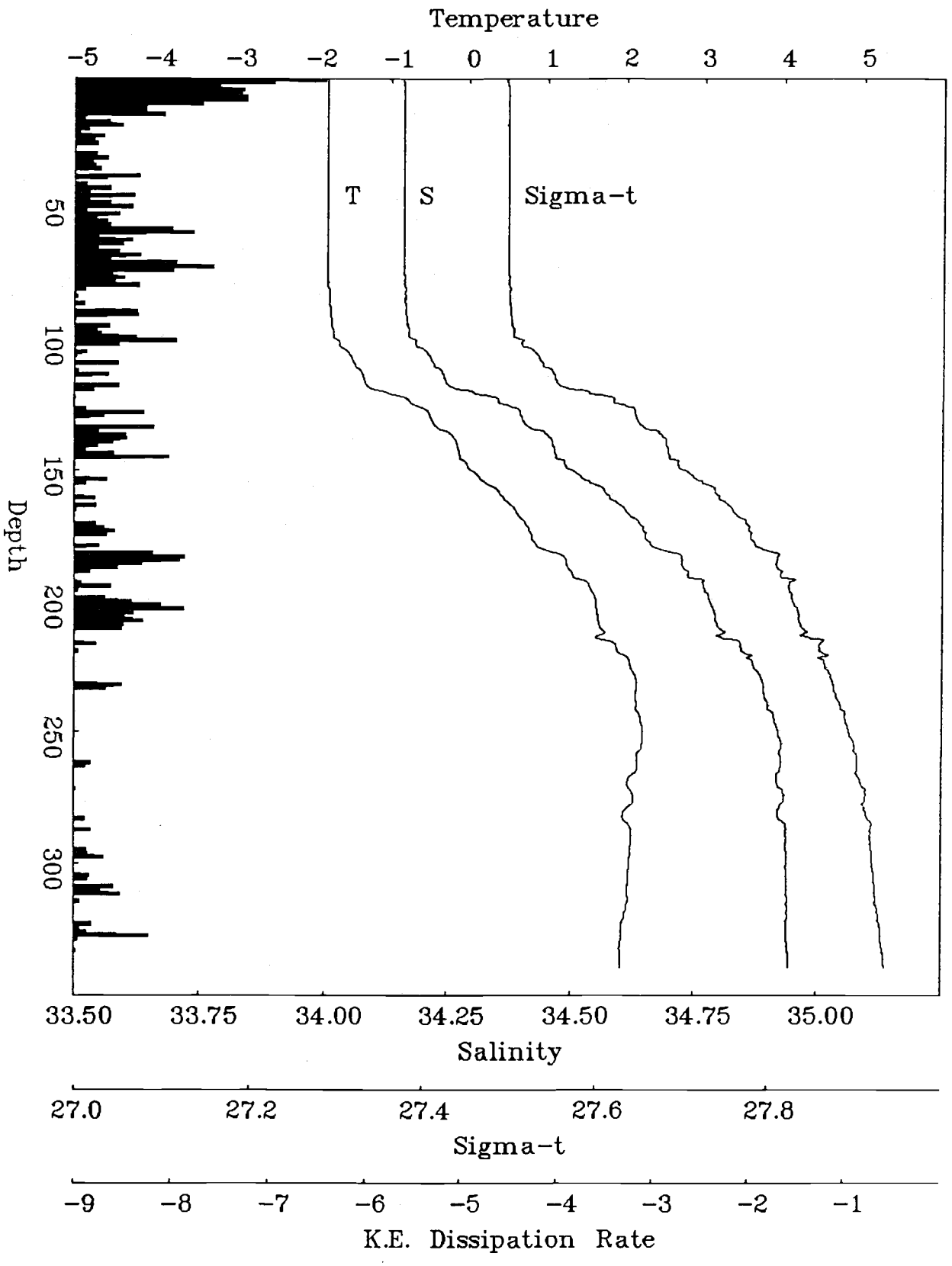

CEAREX Cast 1368, JD 112.0041, 23:57, 82.44N, 7.15E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate


CEAREX Cast 1380, JD 112.1722, 03:59, 82.44N, 7.15E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

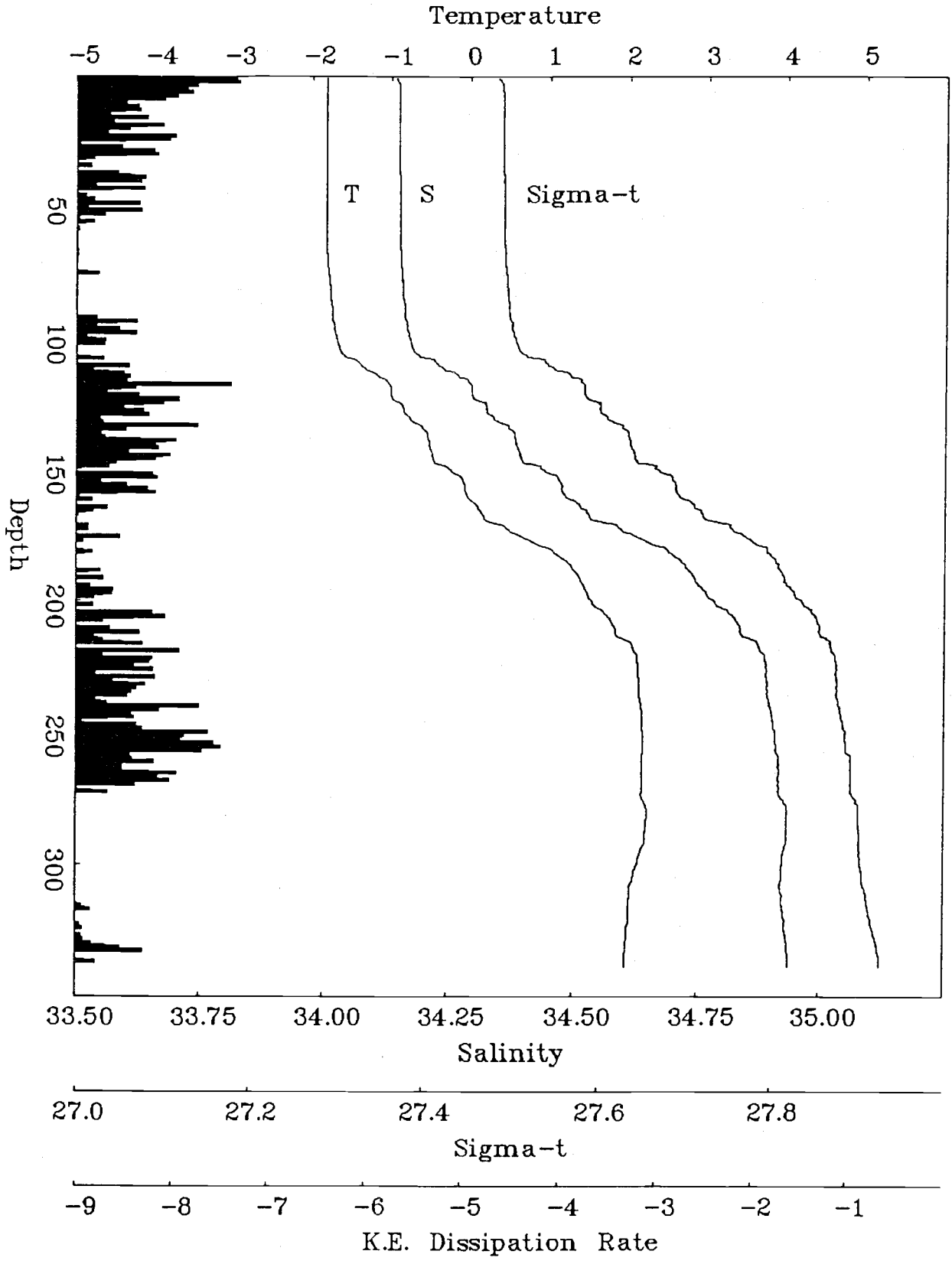

CEAREX Cast 1395, JD 112.3471, 08:11, 82.44N, 7.13E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

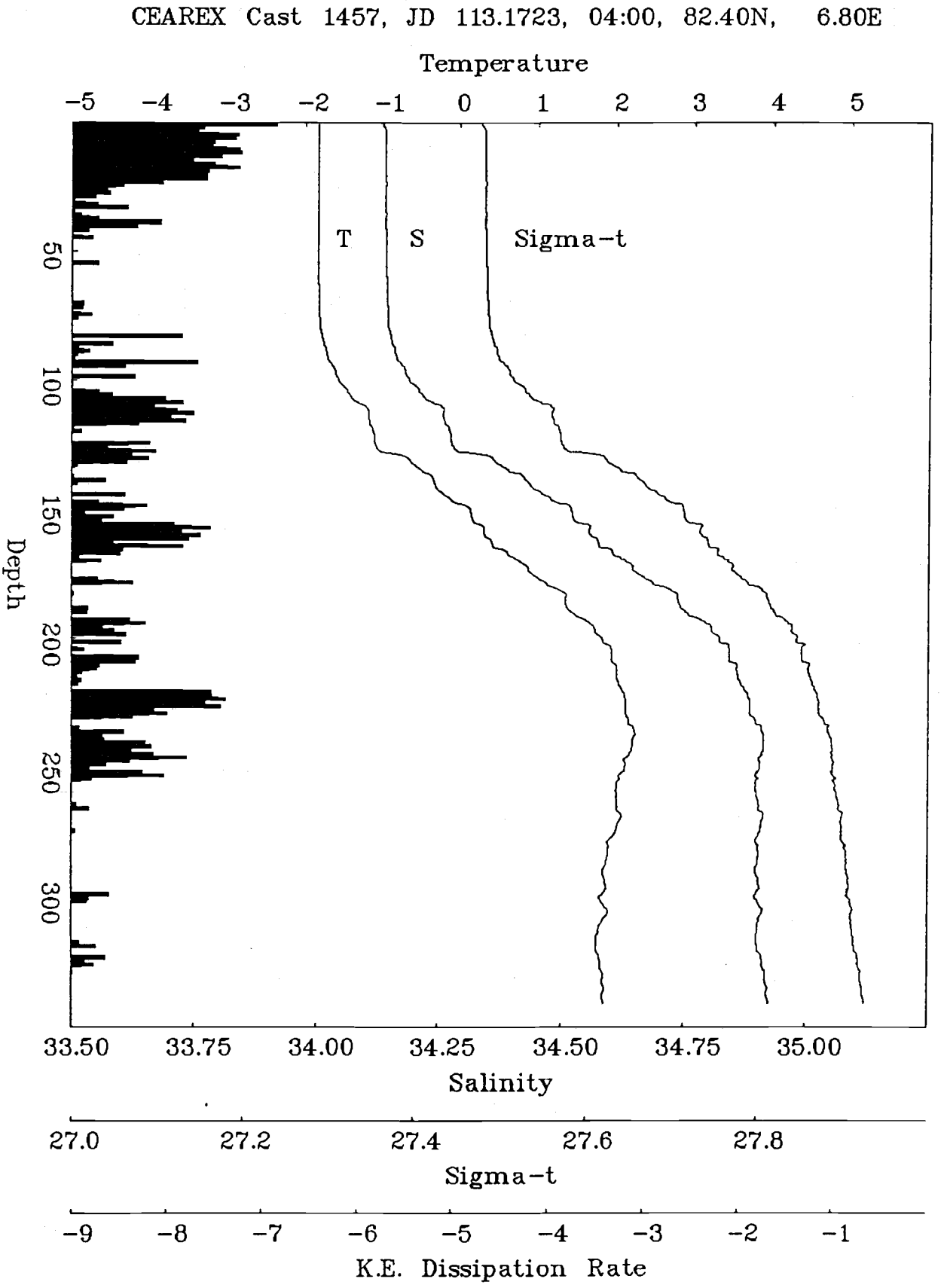

CEAREX Cast 1408, JD 112.5050, 11:59, 82.43N, 7.08E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

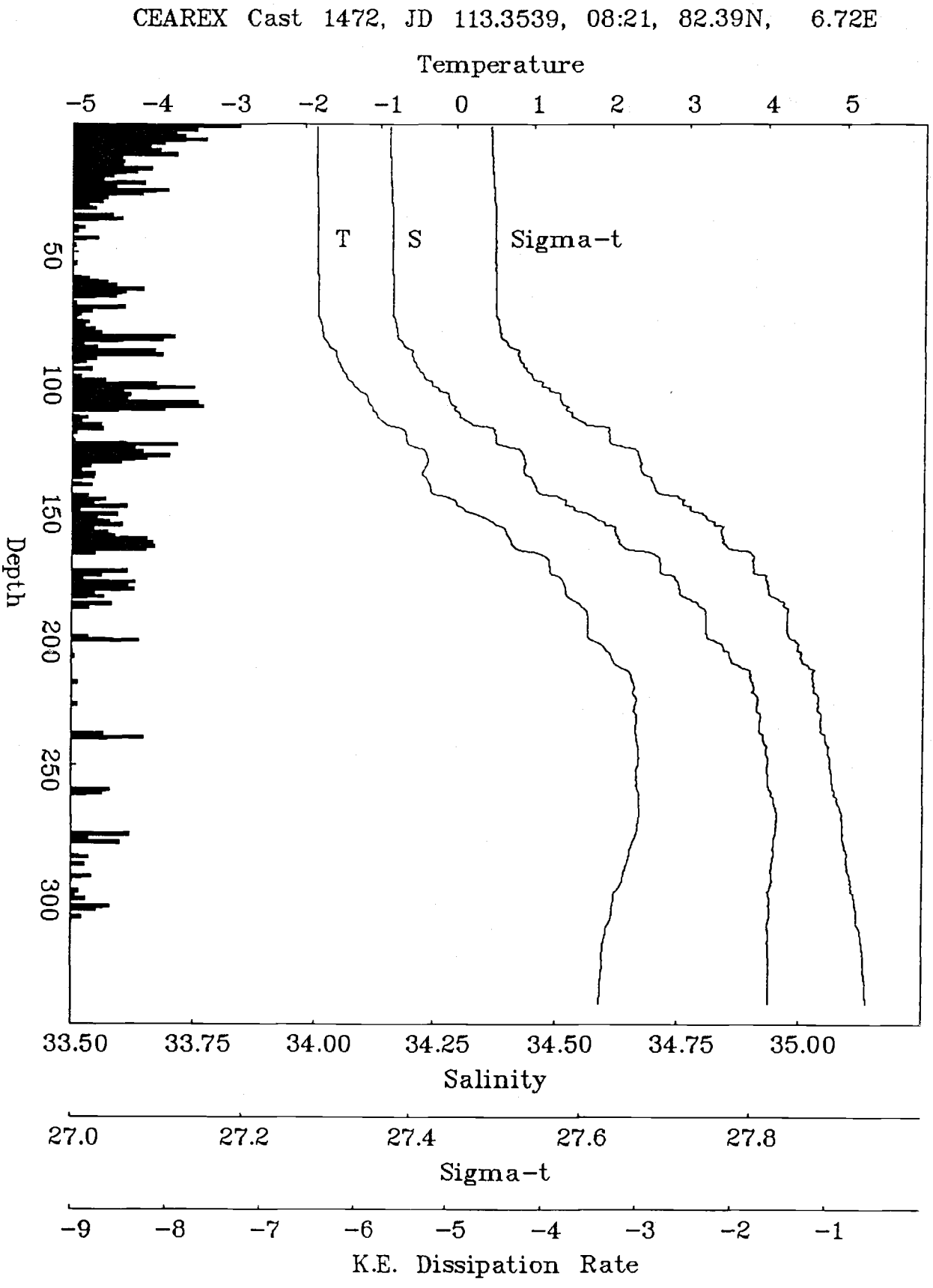

CEAREX Cast 1419, JD 112.6719, 15:59, 82.42N, 7.02E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

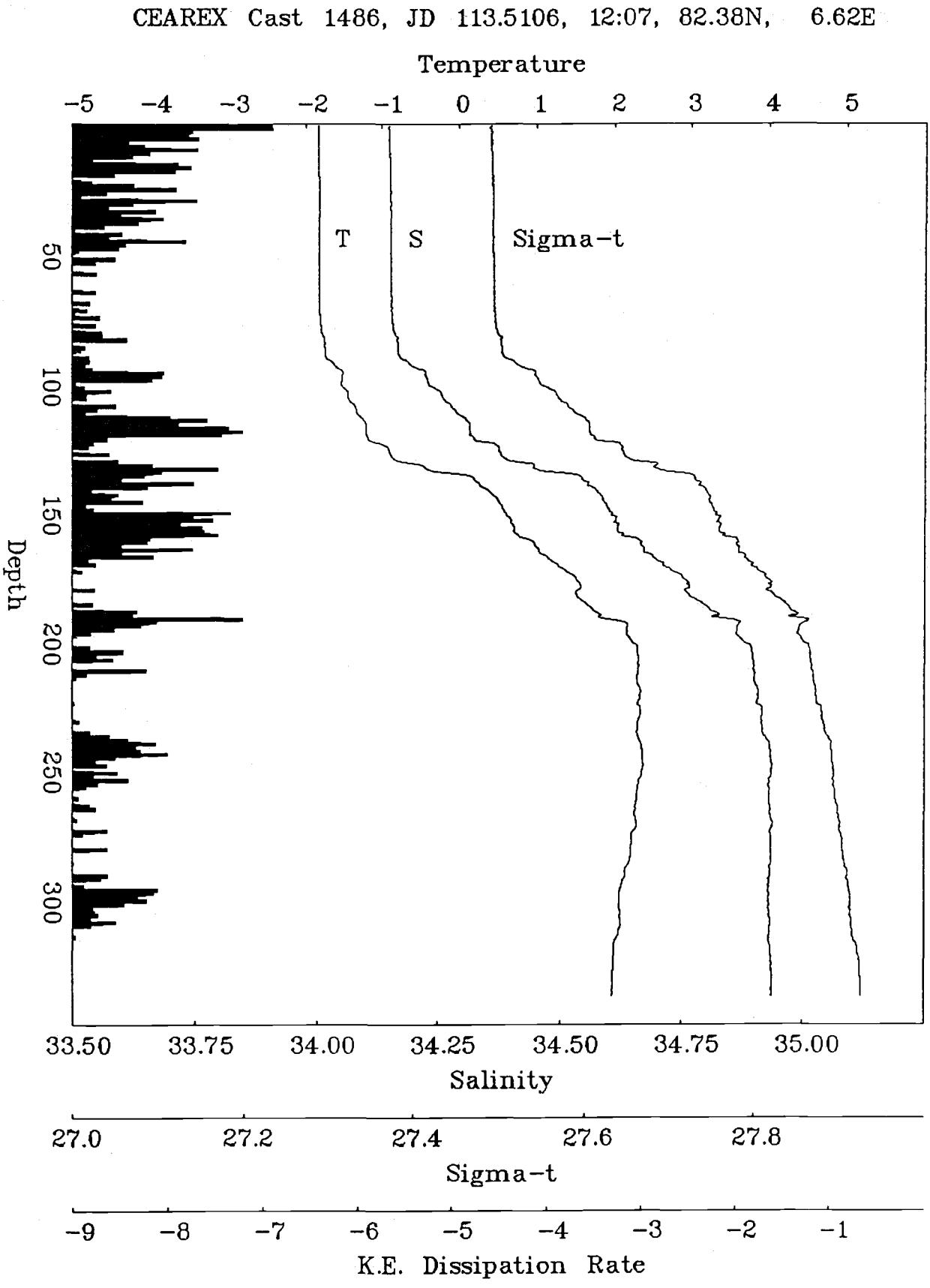

CEAREX Cast 1428, JD 112.8383, 19:59, 82.41N, 6.93E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

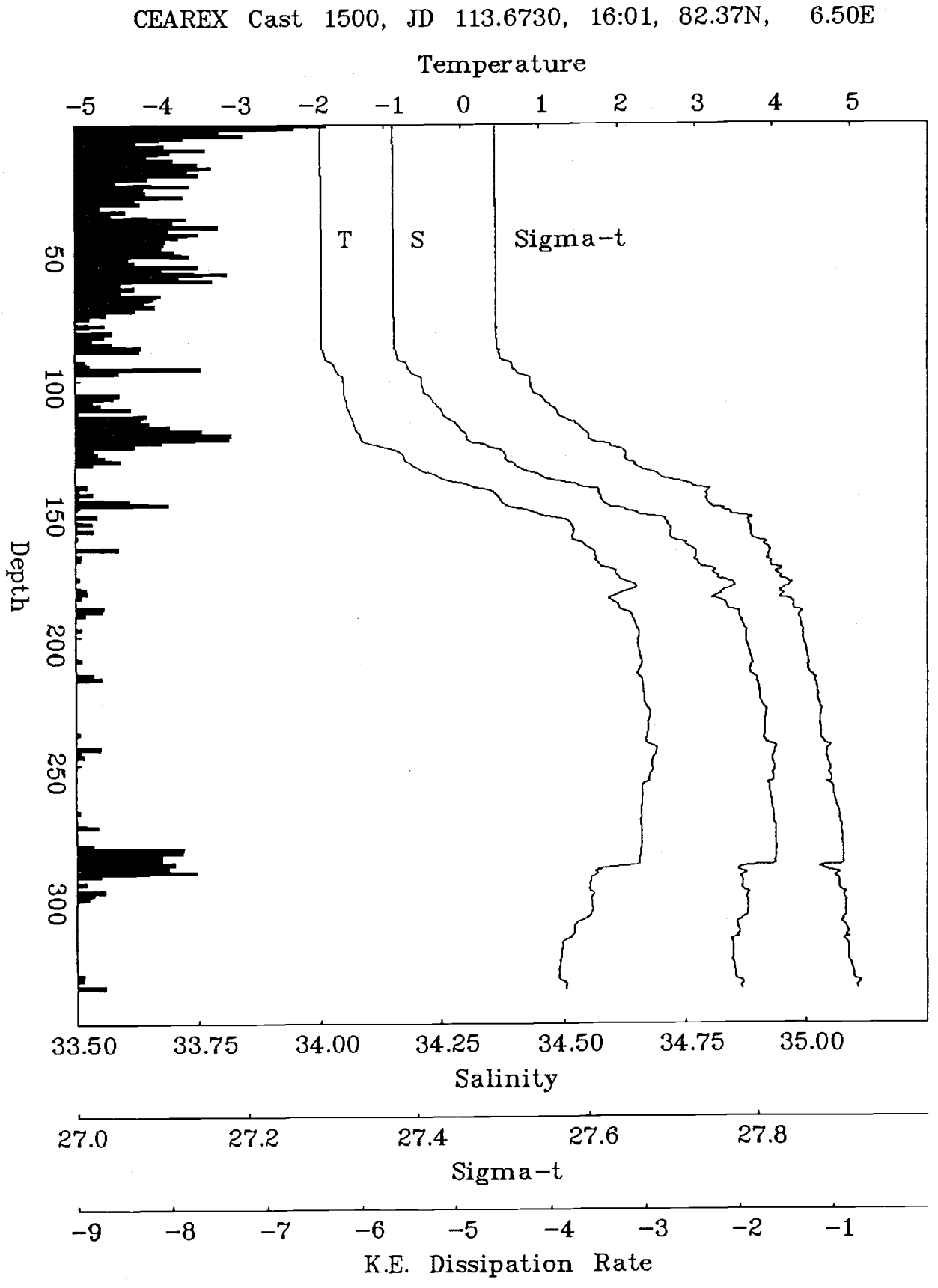
CEAREX Cast 1441, JD 113.0014, 23:54, 82.40N, 6.85E

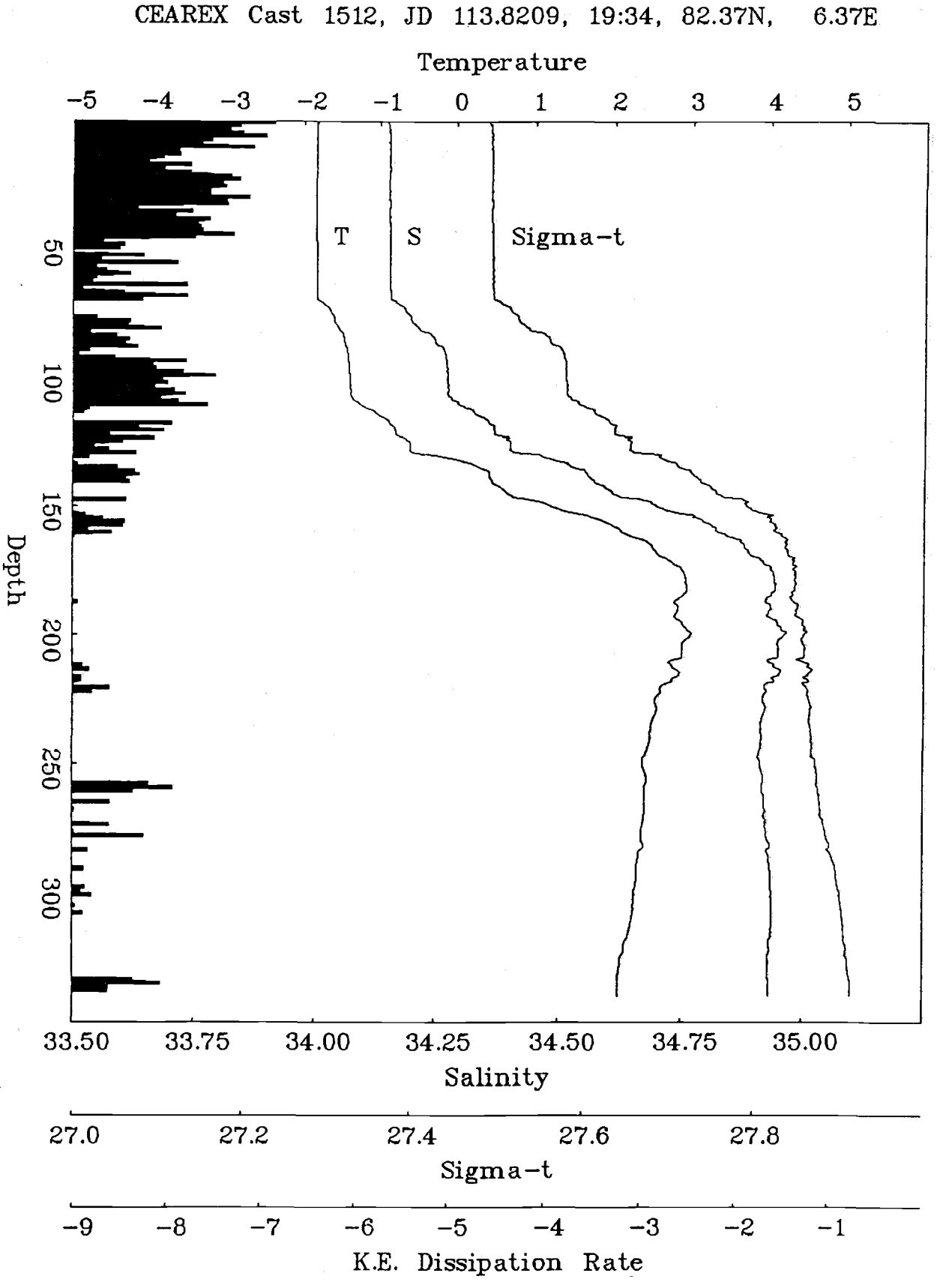


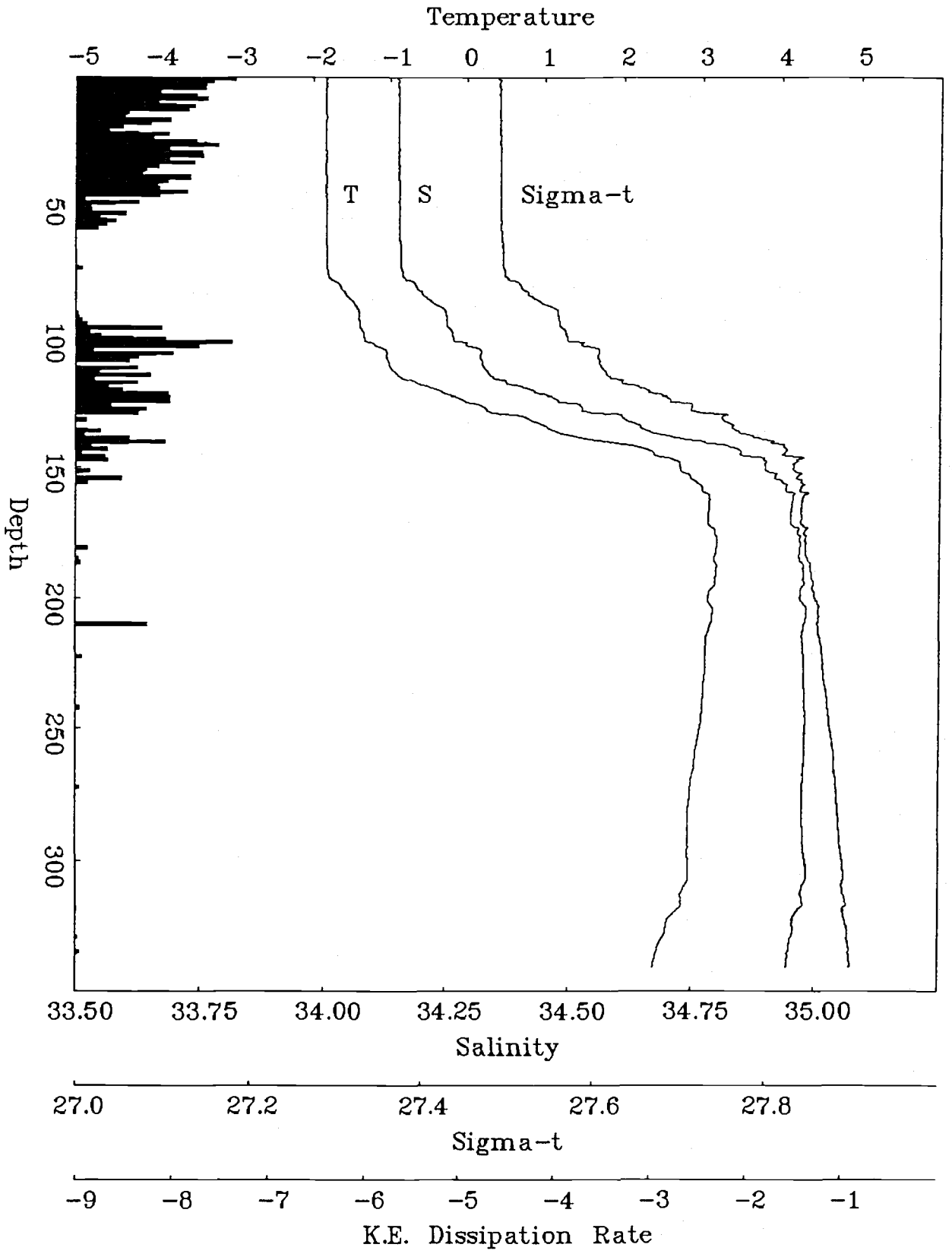

CEAREX Cast 1457, JD 113.1723, 04:00, 82.40N, 6.80E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

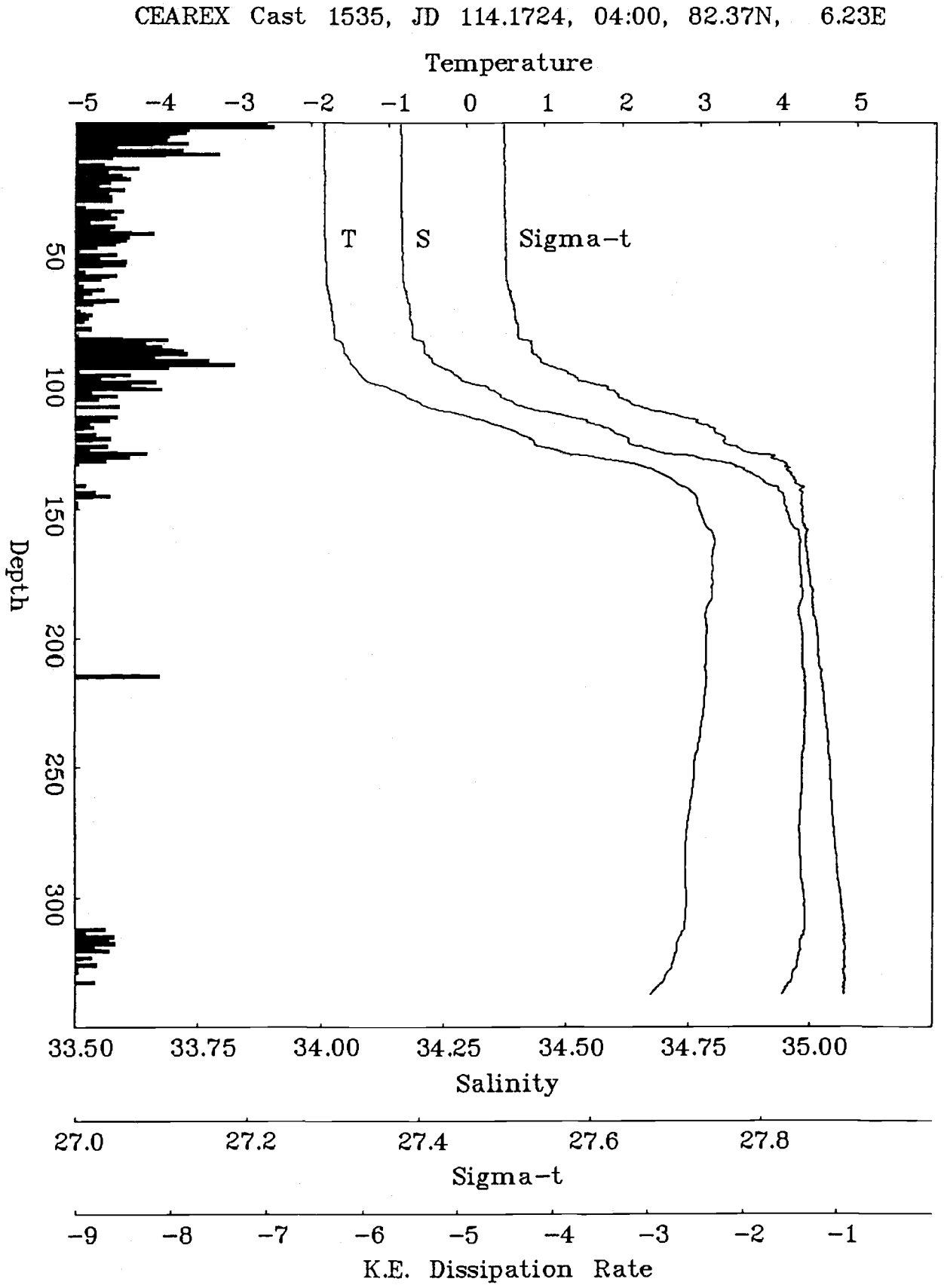

CEAREX Cast 1472, JD 113.3539, 08:21, 82.39N, 6.72E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

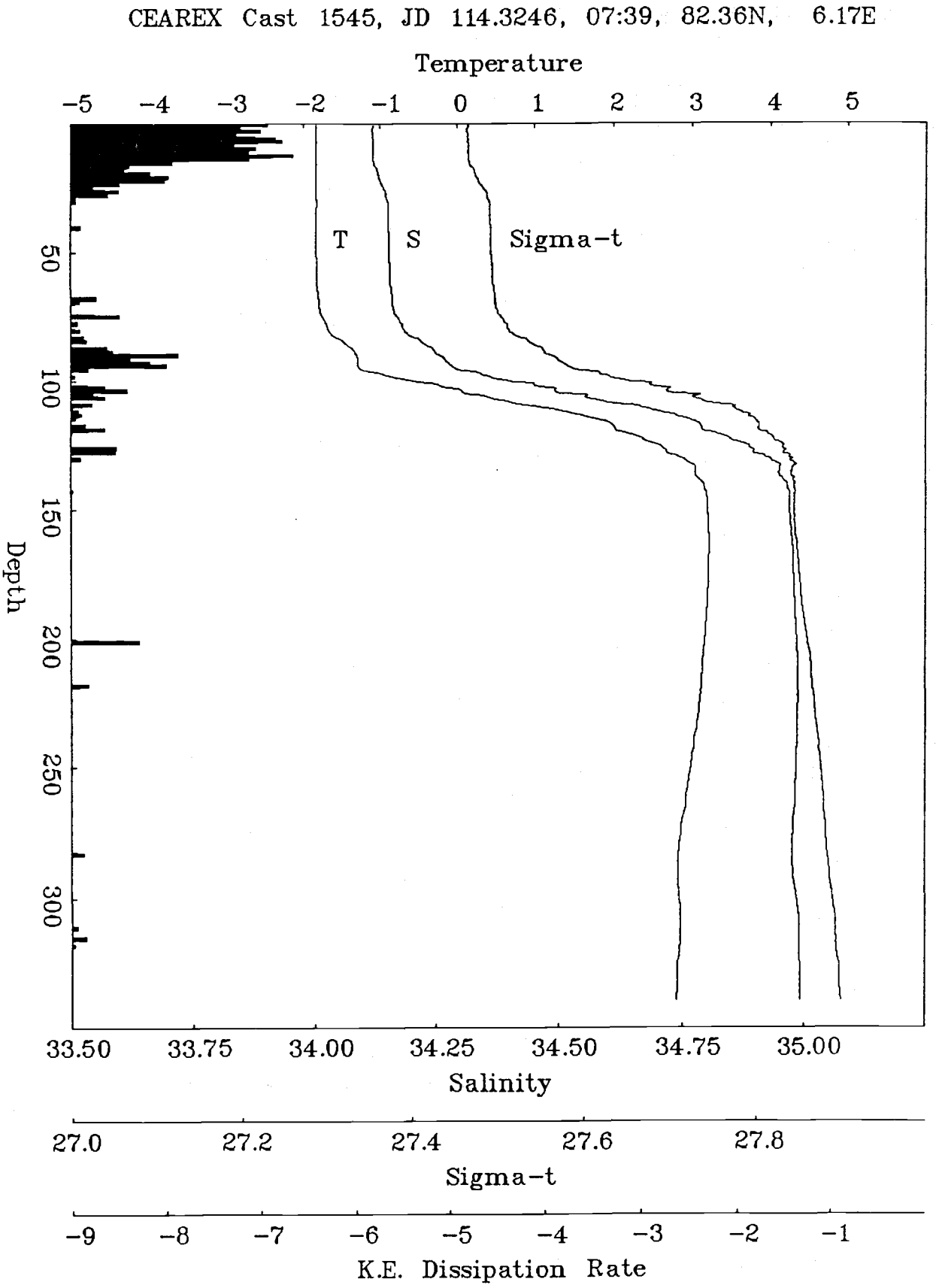

CEAREX Cast 1486, JD 113.5106, 12:07, 82.38N, 6.62E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate


CEAREX Cast 1500, JD 113.6730, 16:01, 82.37N, 6.50E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate


CEAREX Cast 1512, JD 113.8209, 19:34, 82.37N, 6.37E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate


CEAREX Cast 1526, JD 114.0109, 00:07, 82.37N, 6.25E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

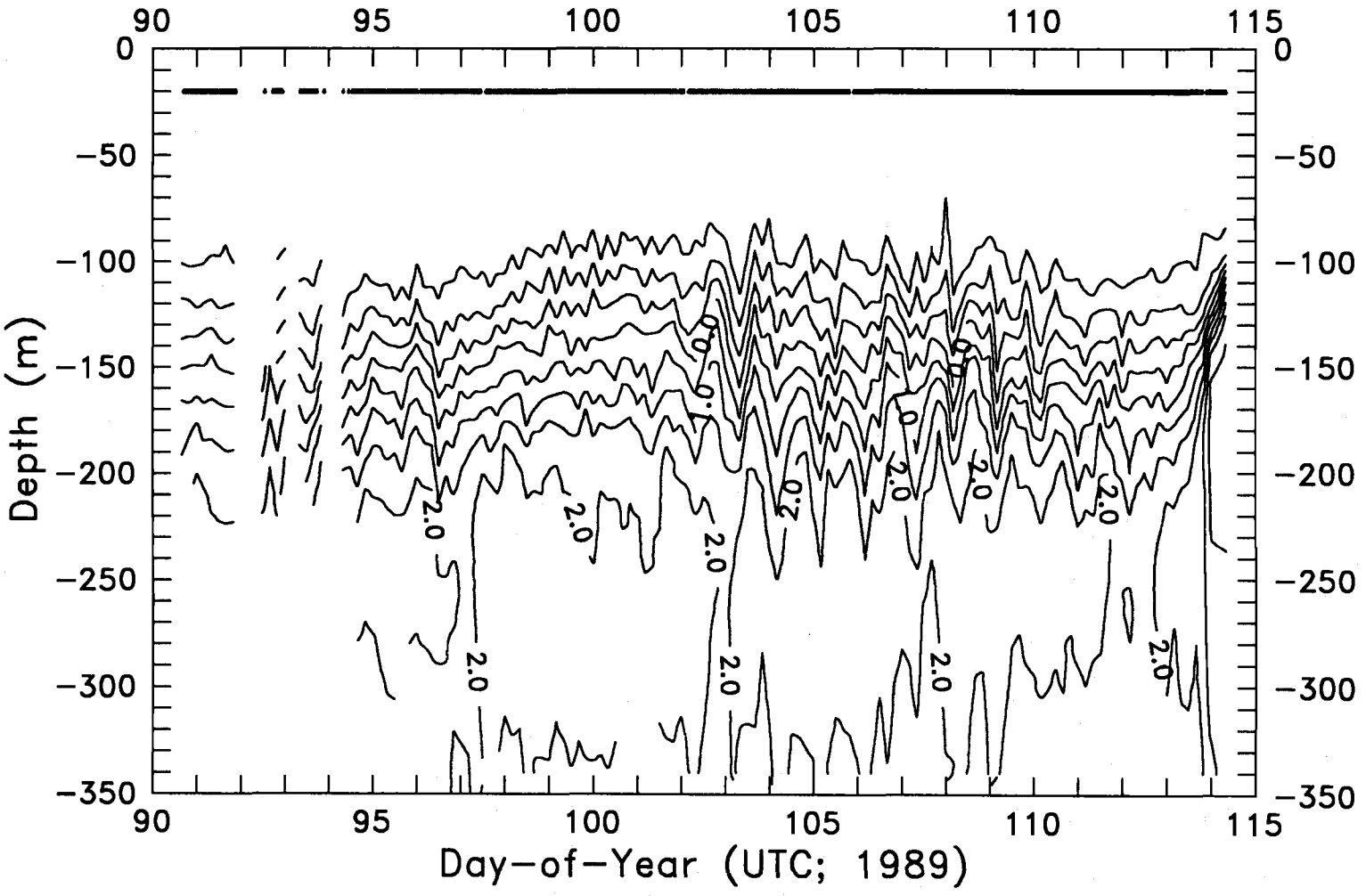

CEAREX Cast 1535, JD 114.1724, 04:00, 82.37N, 6.23E
Temperature
−5 −4 −3 −2 −1 0 1 2 3 4 5
T
S
Sigma−t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma−t
−9 −8 −7 −6 −5 −4 −3 −2 −1
K.E. Dissipation Rate

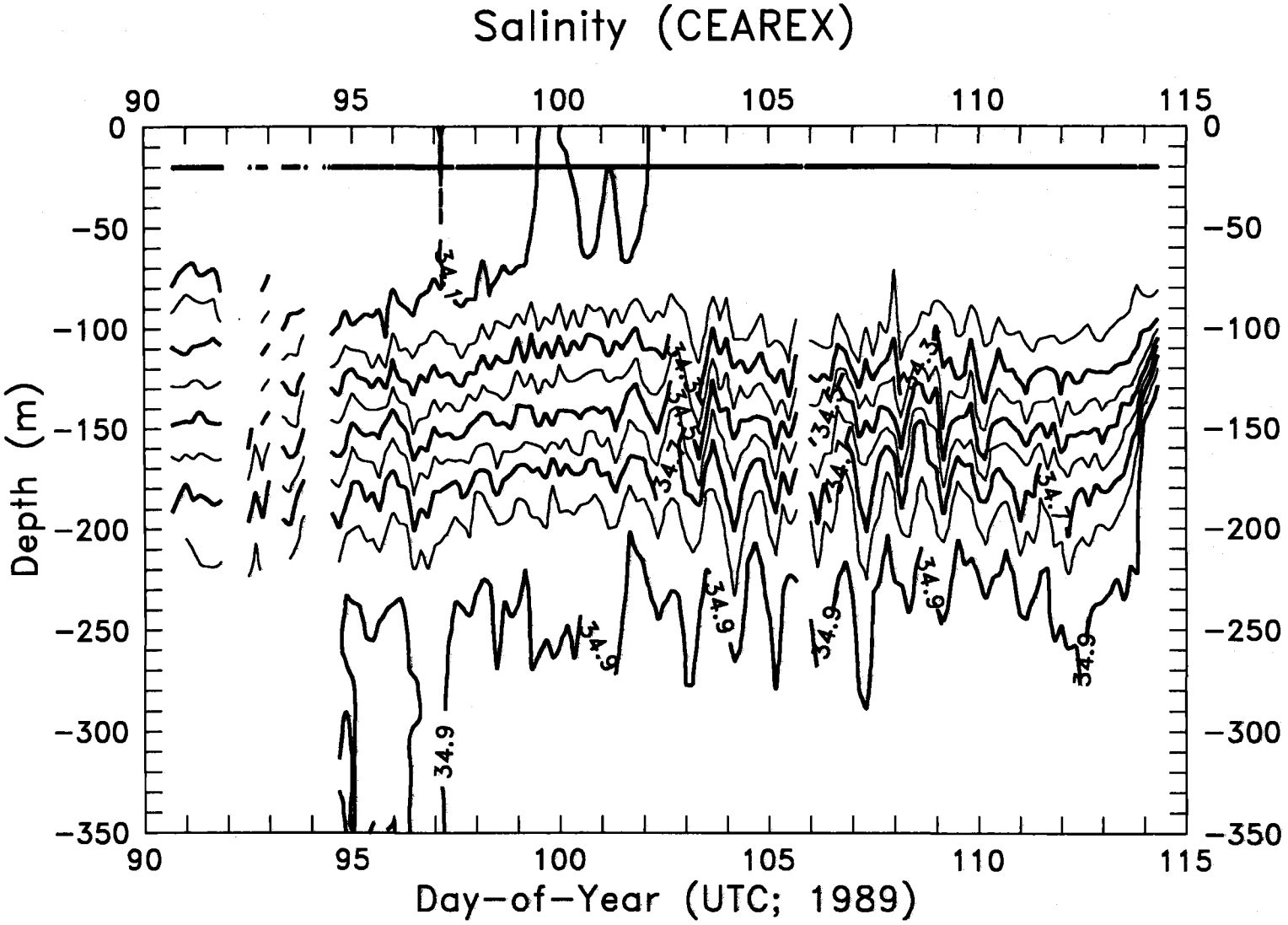

CEAREX Cast 1545, JD 114.3246, 07:39, 82.36N, 6.17E
Temperature
-5 -4 -3 -2 -1 0 1 2 3 4 5
T
S
Sigma-t
Depth
50
100
150
200
250
300
33.50 33.75 34.00 34.25 34.50 34.75 35.00
Salinity
27.0 27.2 27.4 27.6 27.8
Sigma-t
-9 -8 -7 -6 -5 -4 -3 -2 -1
K.E. Dissipation Rate

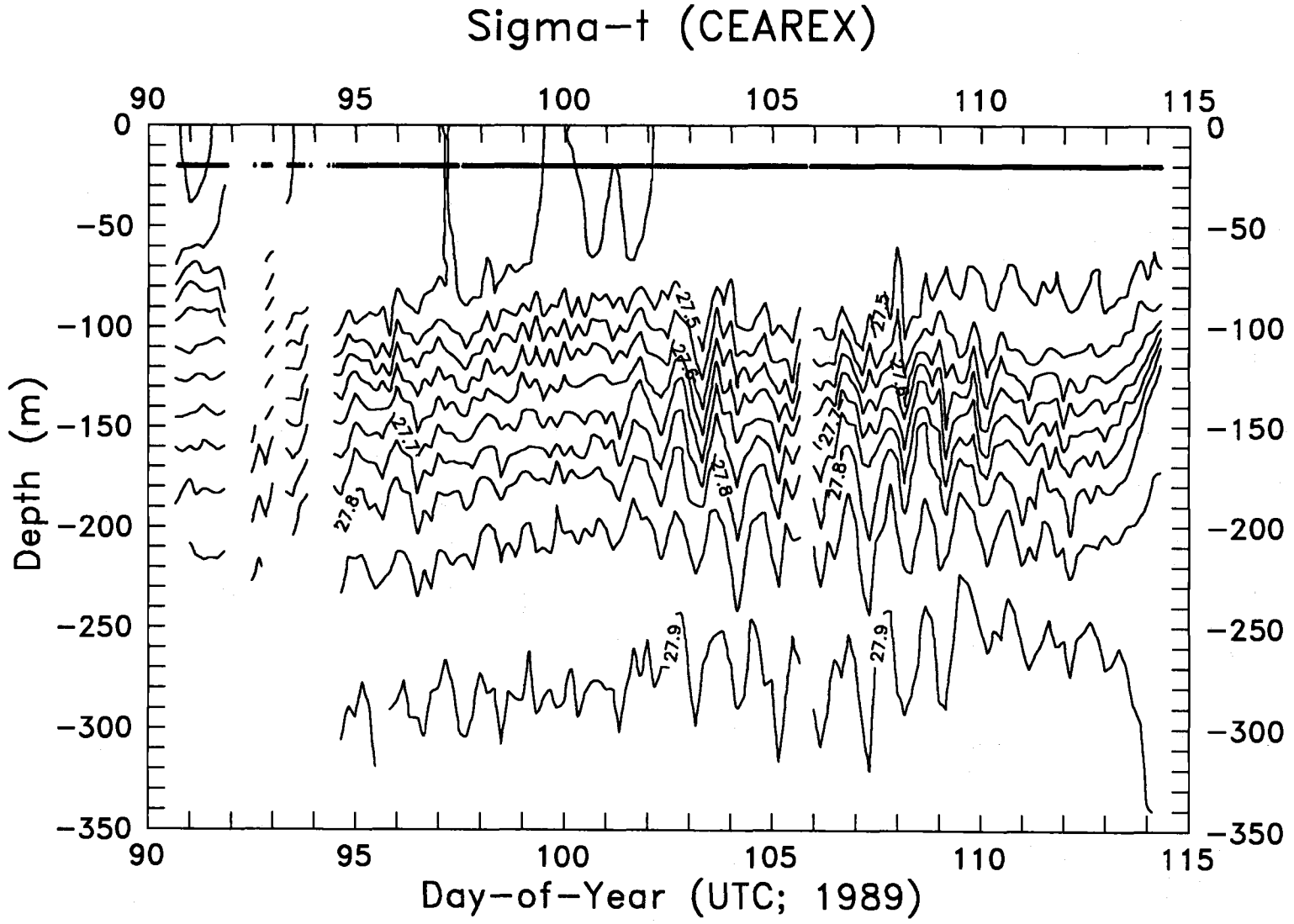
# Section 4:

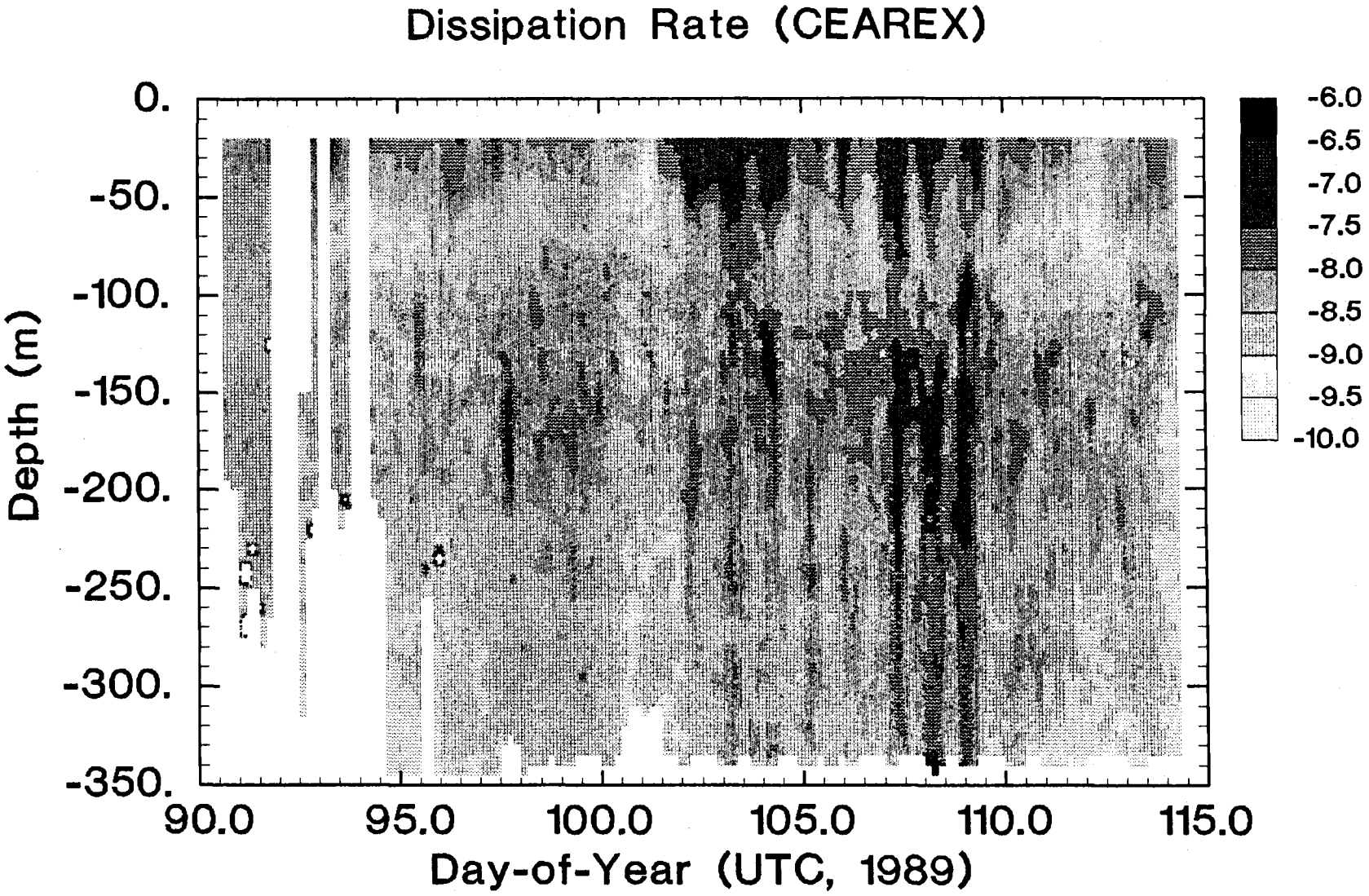
# Transects of Temperature, Salinity, Density, and Dissipation Rate for Entire Experiment (4–hour filter)

Contour intervals for $T$, $S$ and $\sigma_t$ are 0.5° C, 0.1 psu, and 0.05 kg $m^{-3}$ respectively. The location of each RSVP profile is shown by an arrow along $z$= –20 m. Dissipation rate, $\epsilon$, is shown as contours of $\log_{10}\epsilon$, in steps of half a decade.


Temperatures (CEAREX)
90
95
100
105
110
115
0
−50
−100
−150
−200
−250
−300
−350
Depth (m)
2.0
0.7
0.0
Day−of−Year (UTC; 1989)


Salinity (CEAREX)
90
95
100
105
110
115
0
−50
−100
−150
−200
−250
−300
−350
Depth (m)
34.9
Day−of−Year (UTC; 1989)

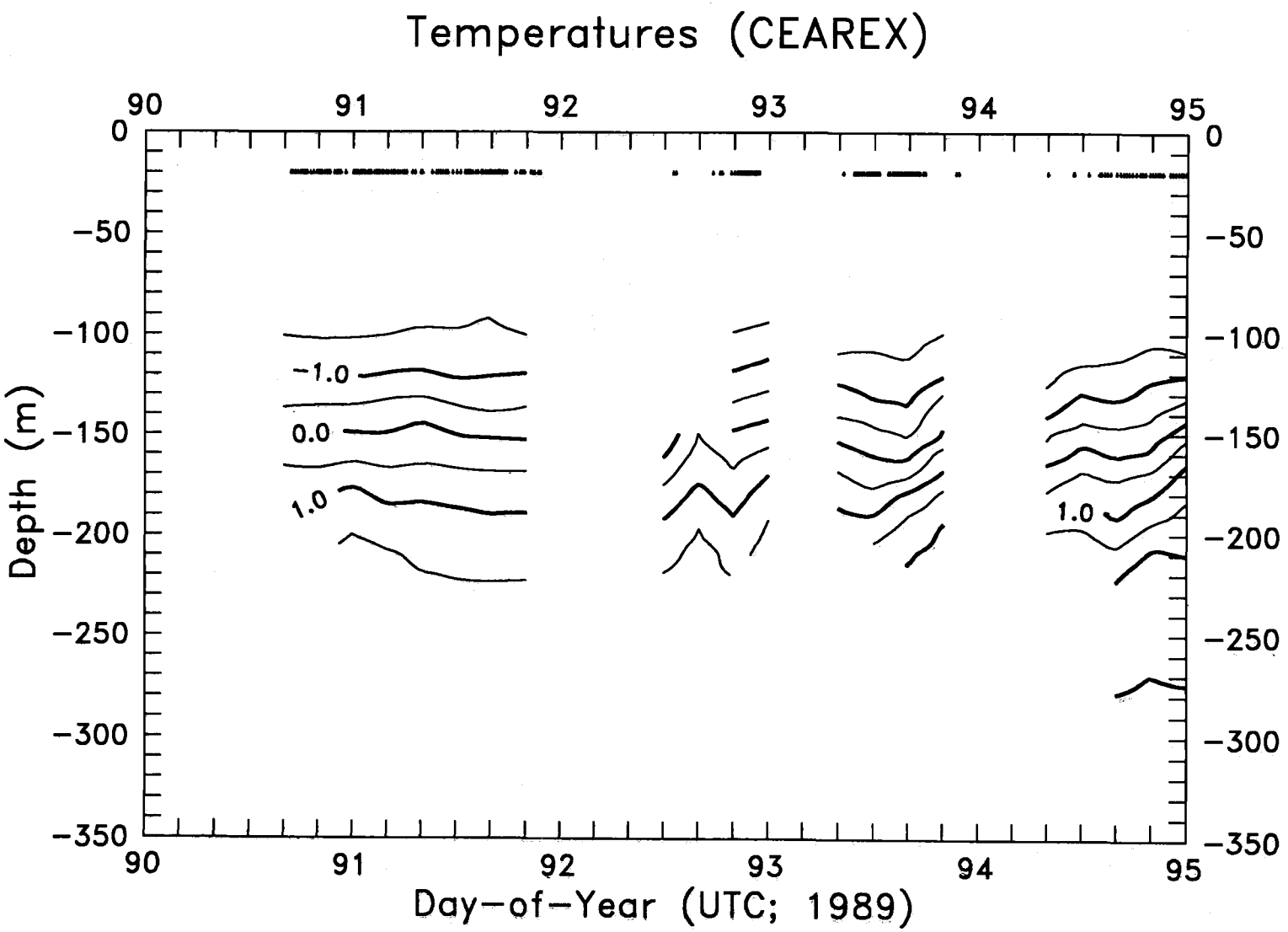

Sigma-t (CEAREX)
90
95
100
105
110
115
0
-50
-100
-150
-200
-250
-300
-350
Depth (m)
27.5
27.6
27.7
27.8
27.9
Day-of-Year (UTC; 1989)

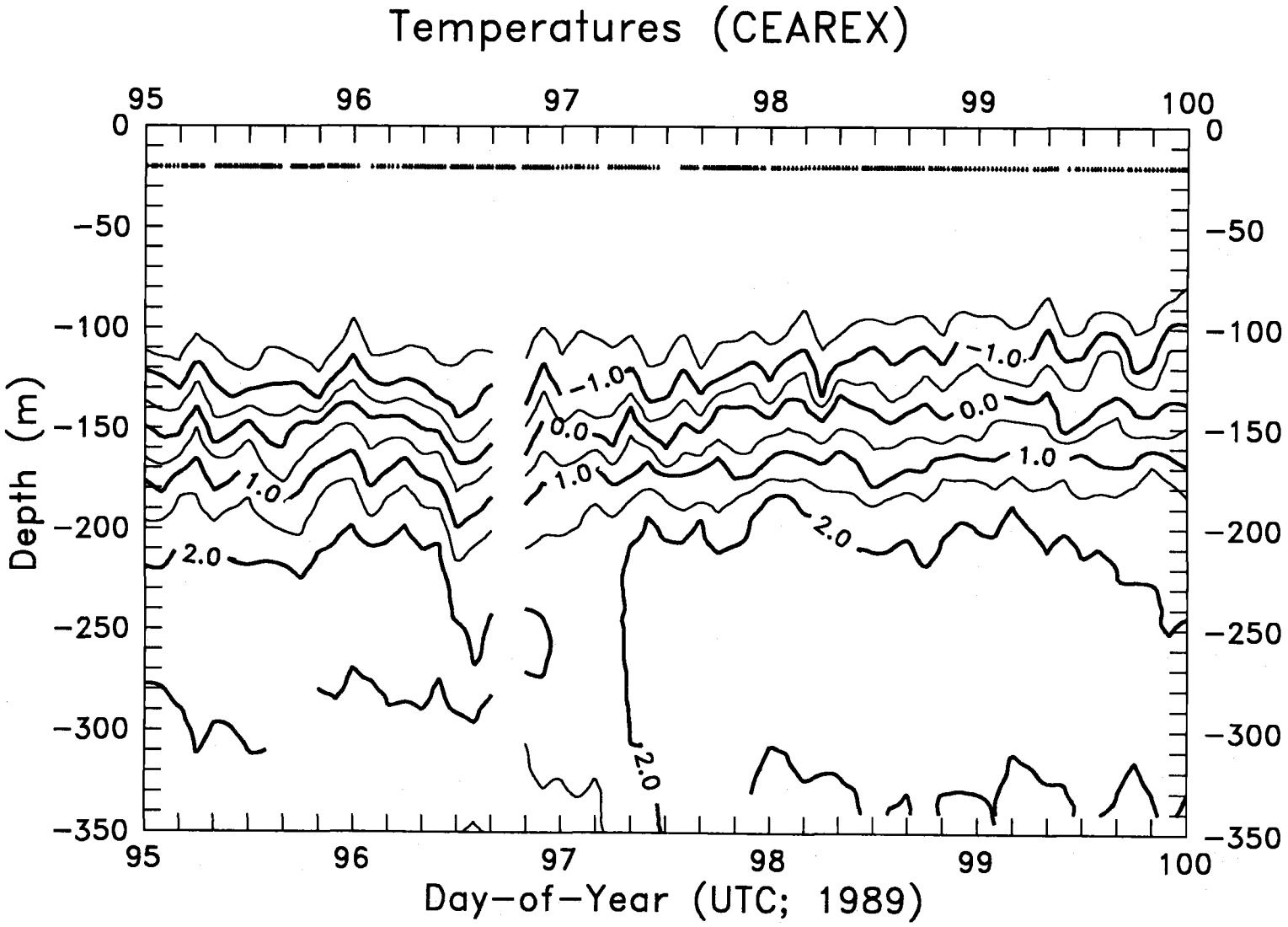

Dissipation Rate (CEAREX)
Depth (m)
0.
-50.
-100.
-150.
-200.
-250.
-300.
-350.
90.0
95.0
100.0
105.0
110.0
115.0
Day-of-Year (UTC, 1989)
-6.0
-6.5
-7.0
-7.5
-8.0
-8.5
-9.0
-9.5
-10.0

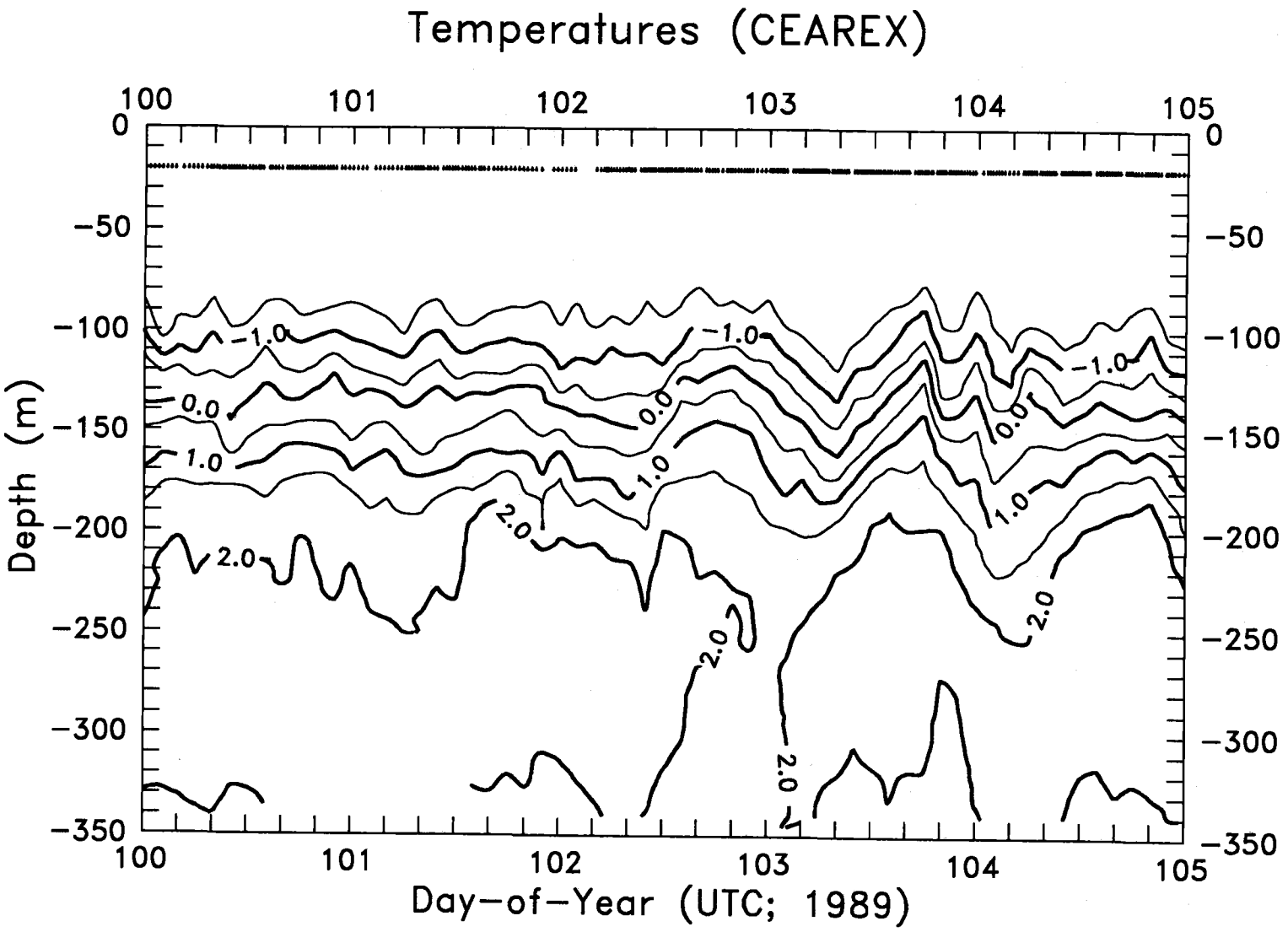
# Section 5:

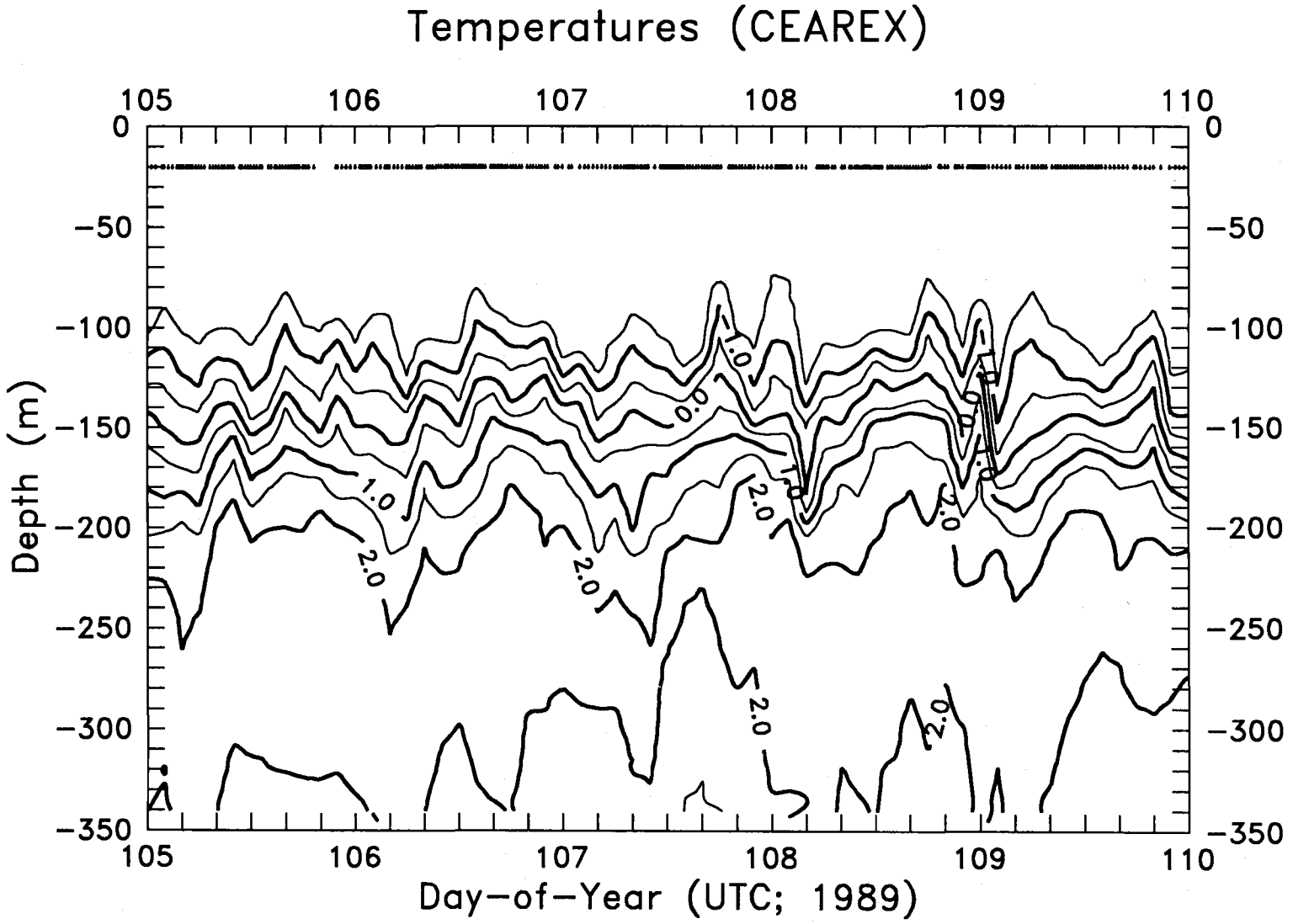
## Transects of Temperature, Salinity, Density, and Dissipation Rate for 5–day Segments (1–hour filter)

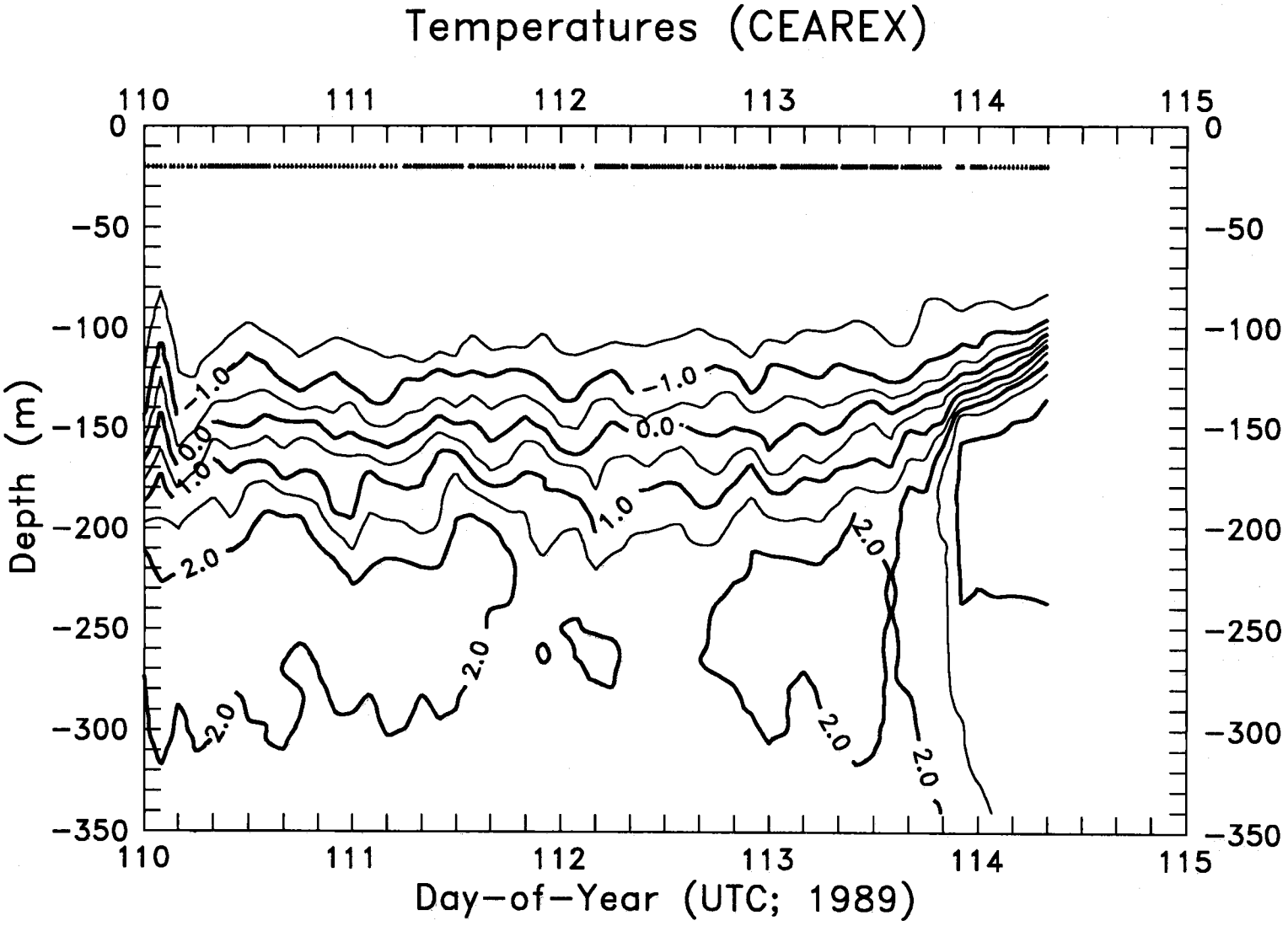
Contour intervals for $T$, $S$ and $\sigma_t$ are 0.5° C, 0.1 psu, and 0.05 kg m$^{-3}$ respectively. The location of each RSVP profile is shown by an arrow along $z$= –20 m. Dissipation rate, $\epsilon$, is shown as contours of $\log_{10}\epsilon$, in steps of half a decade.

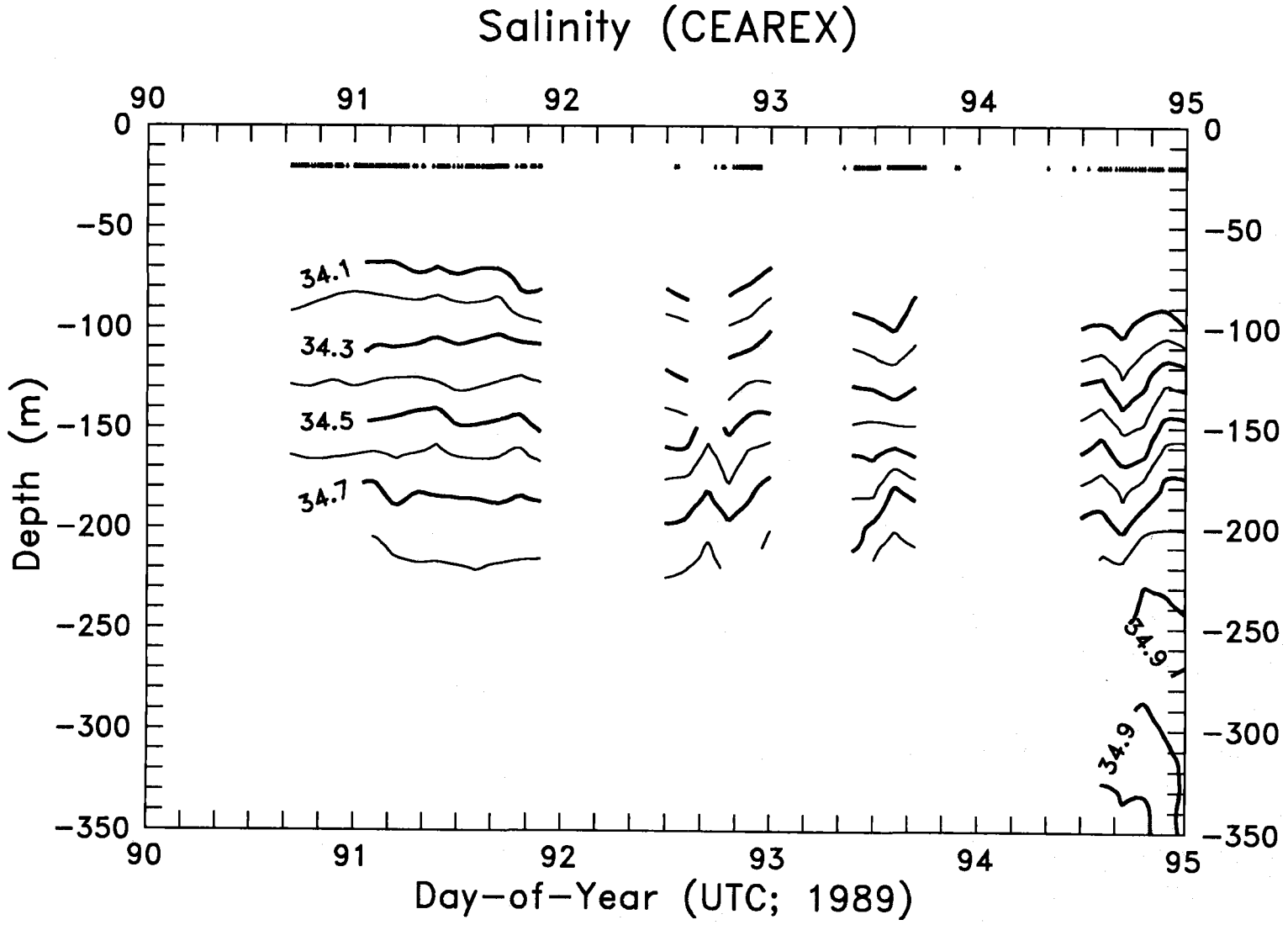

Temperatures (CEAREX)
90
91
92
93
94
95
0
−50
−100
−150
−200
−250
−300
−350
Depth (m)
−1.0
0.0
1.0
Day−of−Year (UTC; 1989)

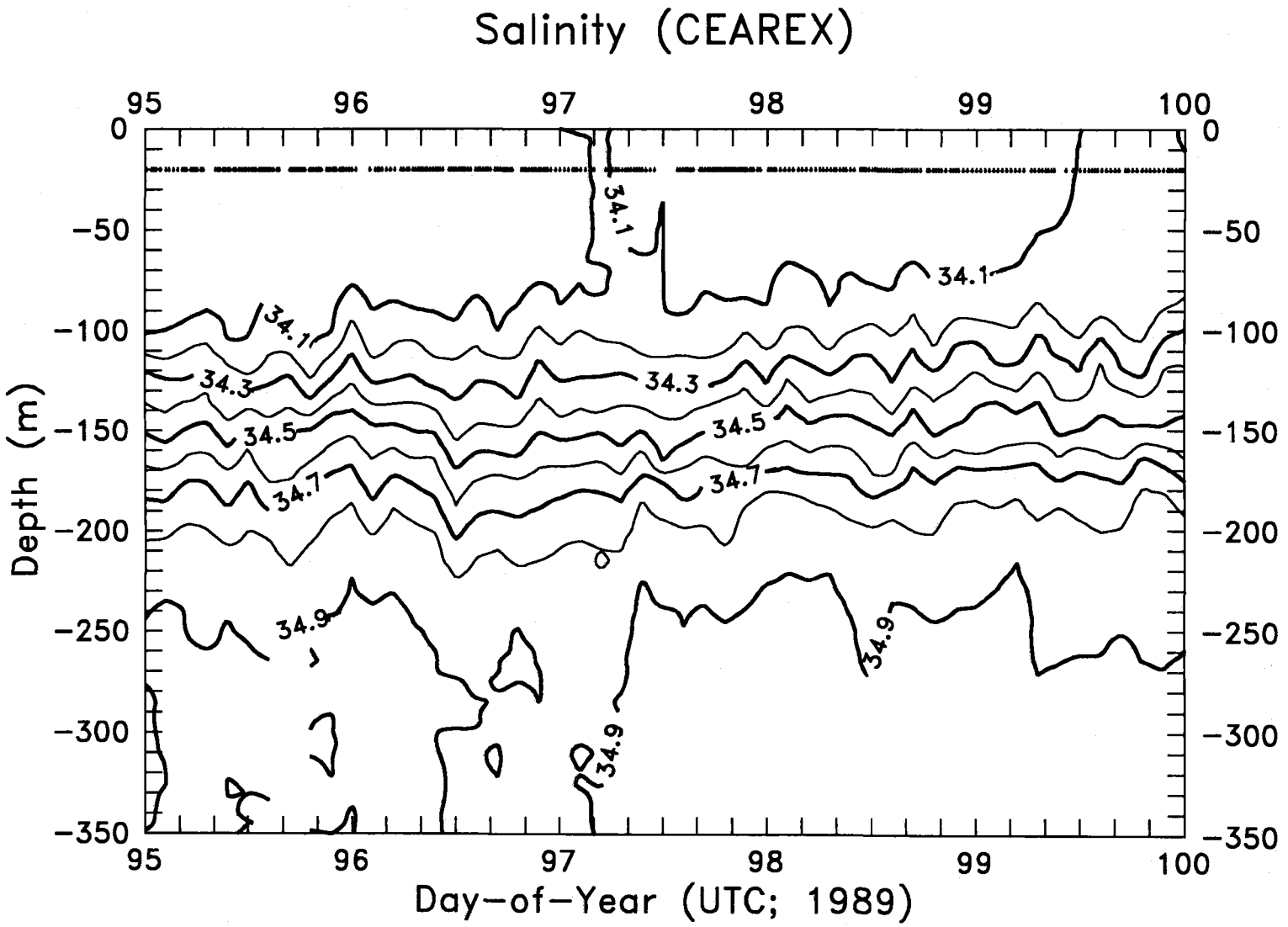

Temperatures (CEAREX)
95
96
97
98
99
100
0
−50
−100
−150
−200
−250
−300
−350
Depth (m)
−1.0
0.0
1.0
2.0
Day−of−Year (UTC; 1989)

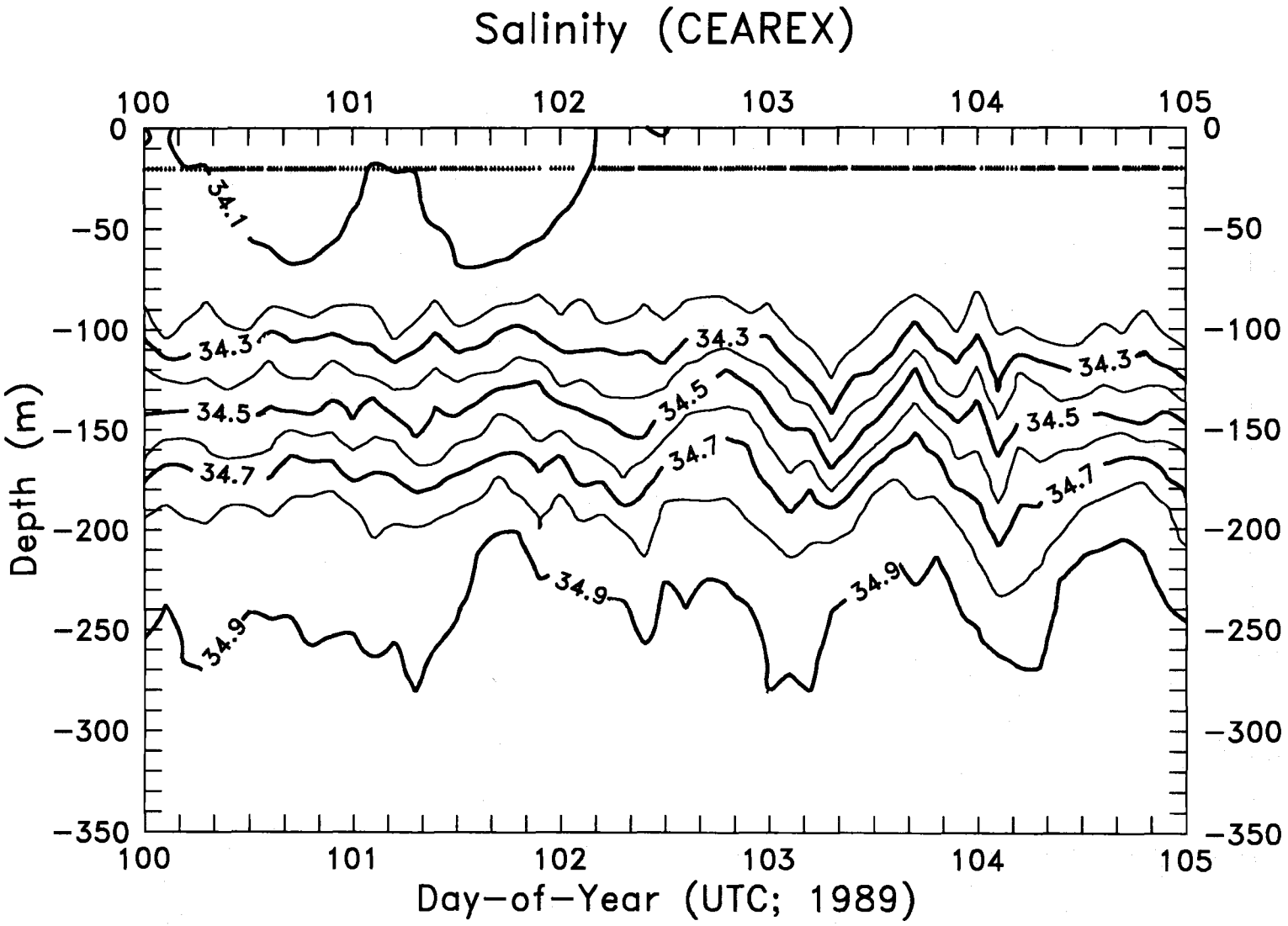

Temperatures (CEAREX)
100
101
102
103
104
105
0
−50
−100
−150
−200
−250
−300
−350
Depth (m)
−1.0
0.0
1.0
2.0
Day−of−Year (UTC; 1989)

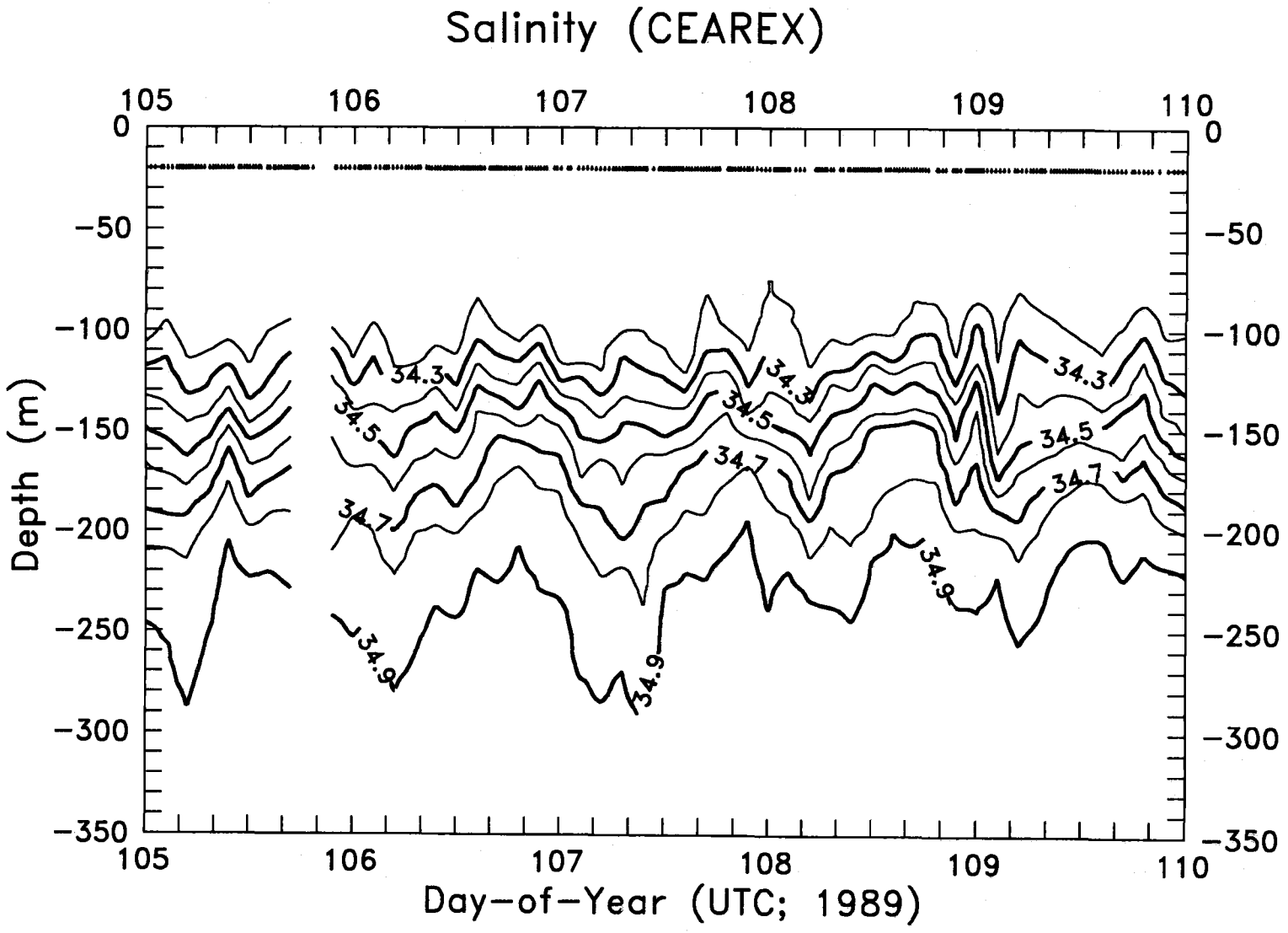

Temperatures (CEAREX)
105
106
107
108
109
110
0
−50
−100
−150
−200
−250
−300
−350
Depth (m)
1.0
0.0
2.0
Day−of−Year (UTC; 1989)

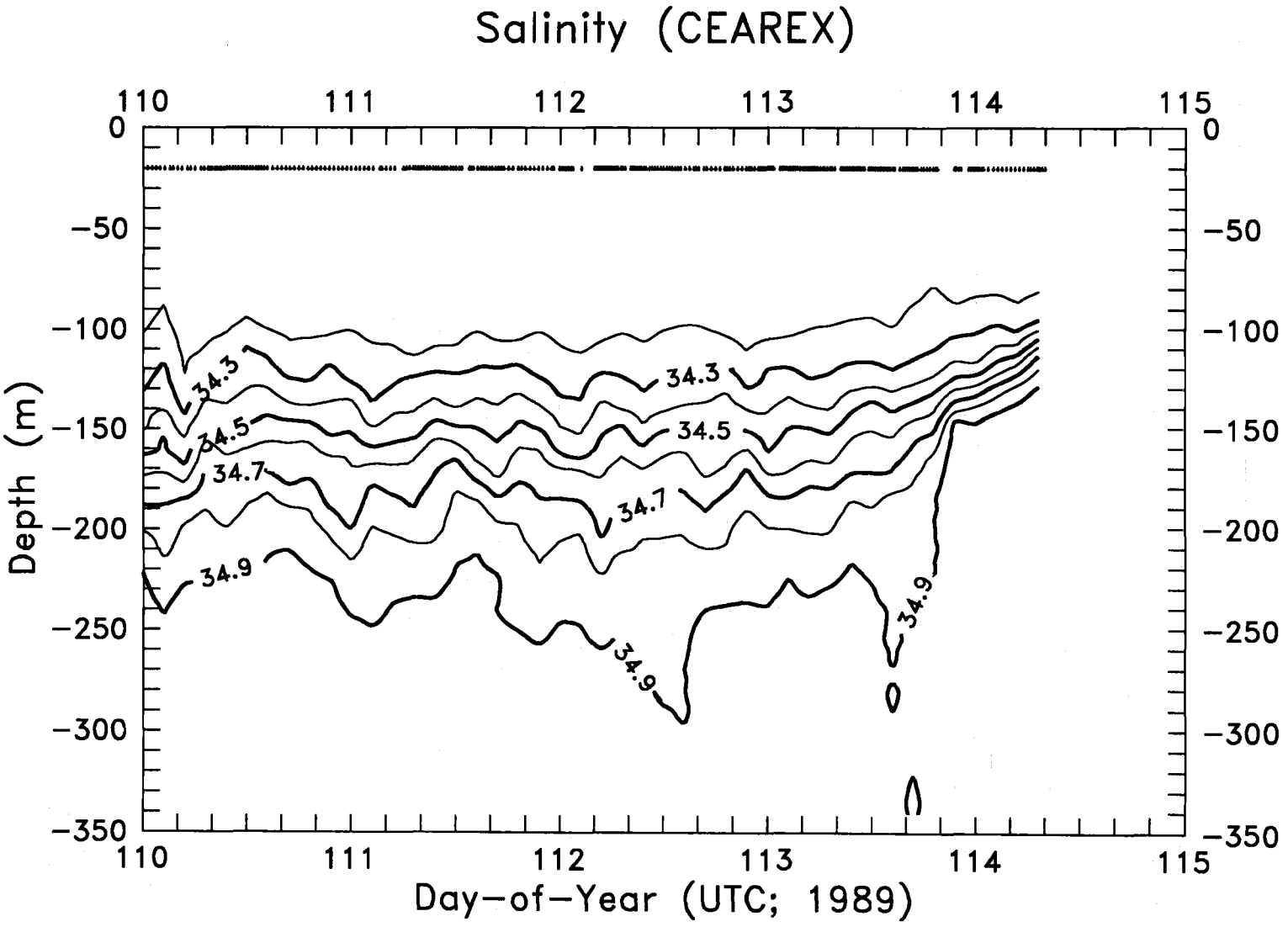

Temperatures (CEAREX)
110
111
112
113
114
115
0
−50
−100
−150
−200
−250
−300
−350
Depth (m)
−1.0
0.0
1.0
2.0
Day−of−Year (UTC; 1989)

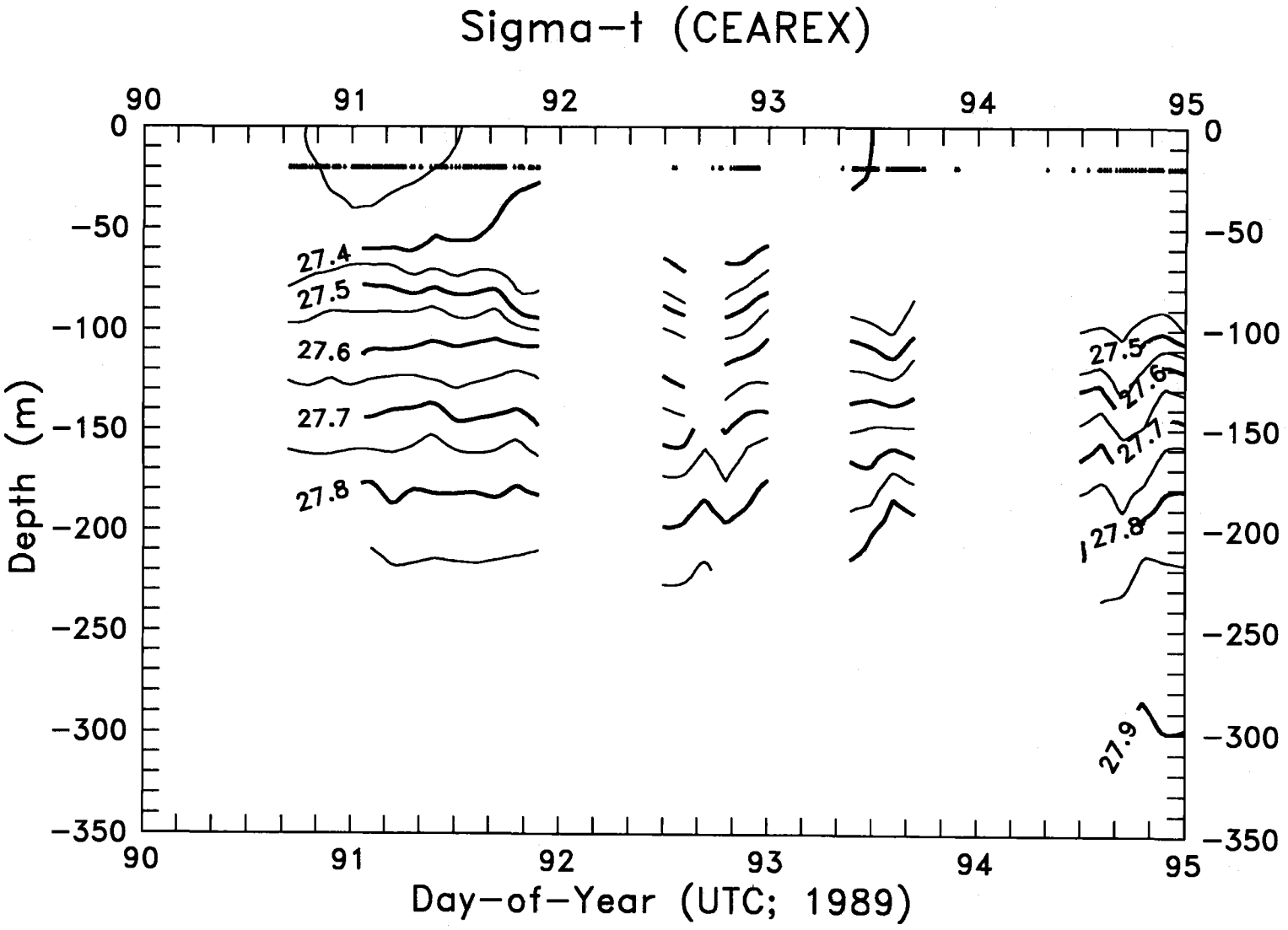

Salinity (CEAREX)
90
91
92
93
94
95
0
-50
-100
-150
-200
-250
-300
-350
Depth (m)
34.1
34.3
34.5
34.7
34.9
34.9
Day-of-Year (UTC; 1989)

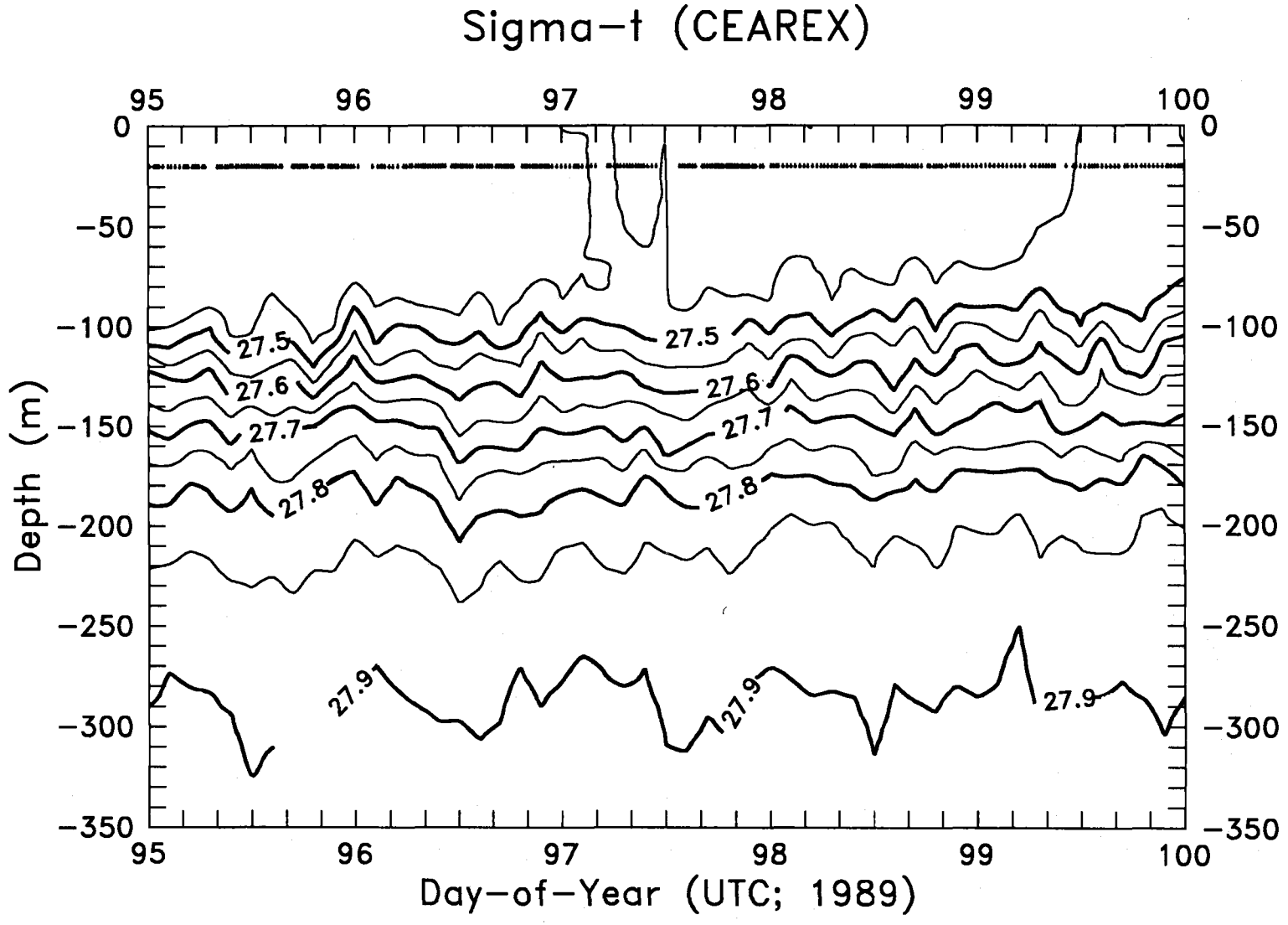

Salinity (CEAREX)
95
96
97
98
99
100
0
−50
−100
−150
−200
−250
−300
−350
Depth (m)
34.1
34.3
34.5
34.7
34.9
Day−of−Year (UTC; 1989)

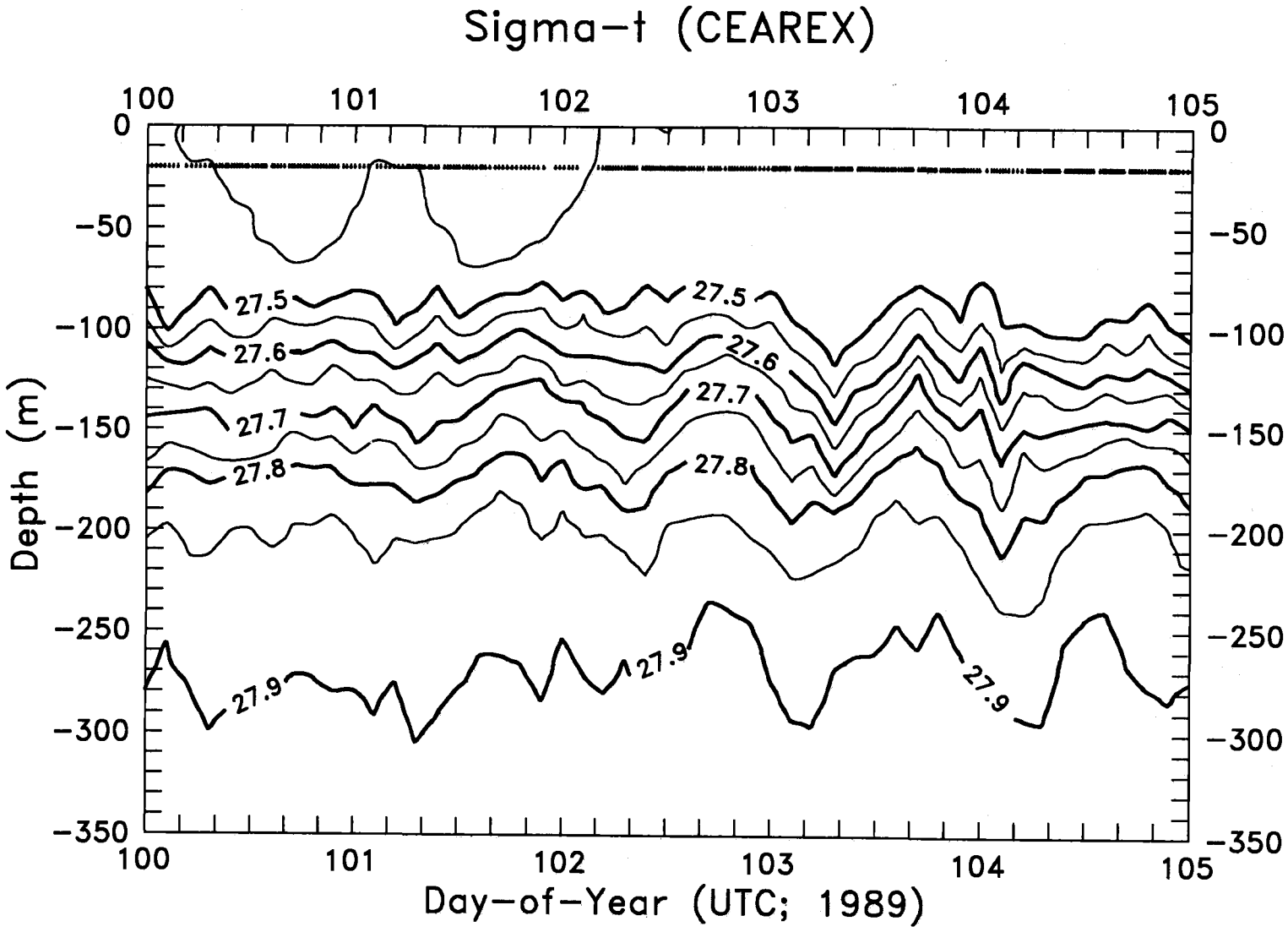

Salinity (CEAREX)
100
101
102
103
104
105
0
−50
−100
−150
−200
−250
−300
−350
Depth (m)
34.1
34.3
34.5
34.7
34.9
Day−of−Year (UTC; 1989)

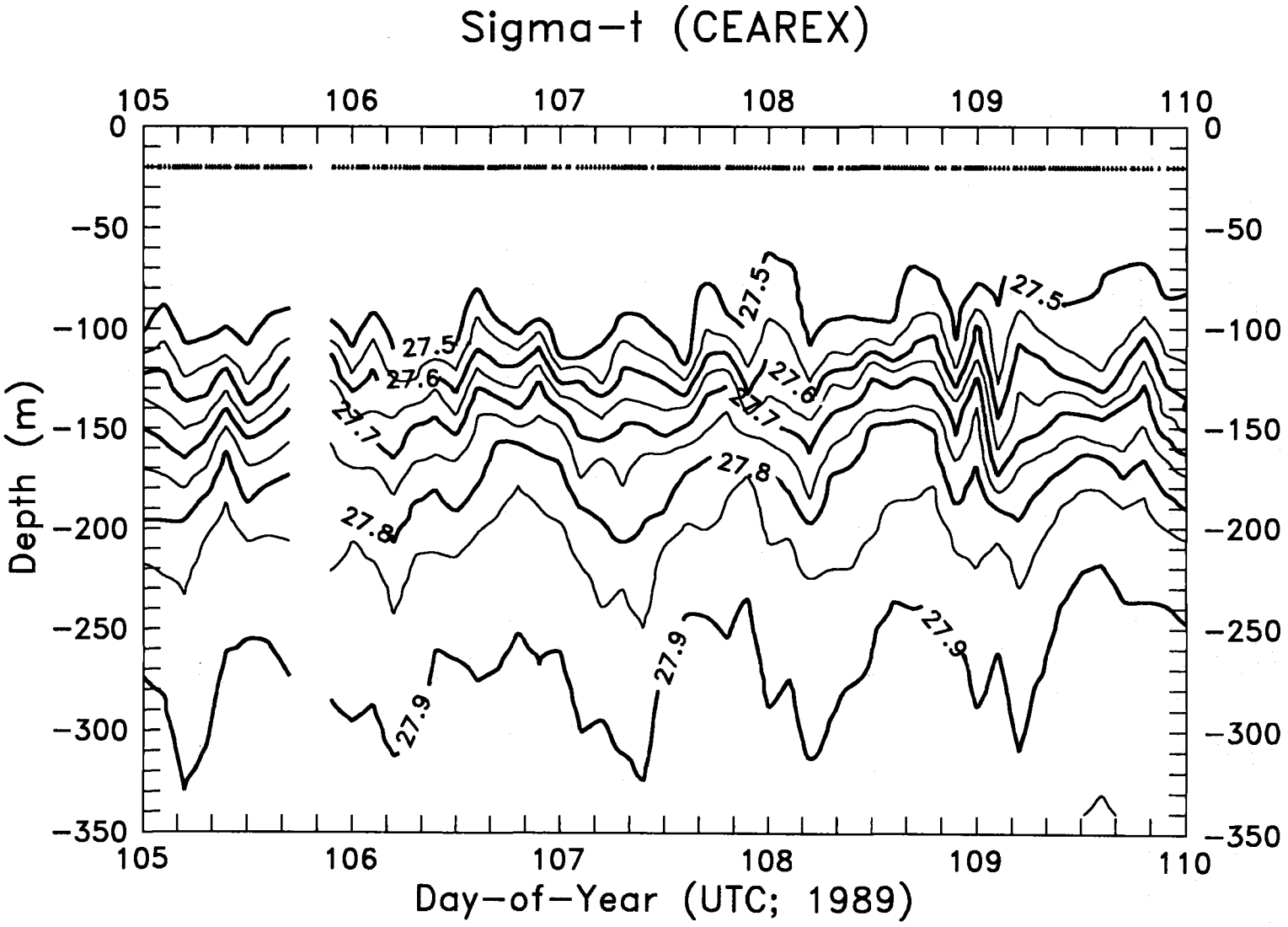

Salinity (CEAREX)
105
106
107
108
109
110
0
−50
−100
−150
−200
−250
−300
−350
Depth (m)
34.3
34.5
34.7
34.9
Day−of−Year (UTC; 1989)

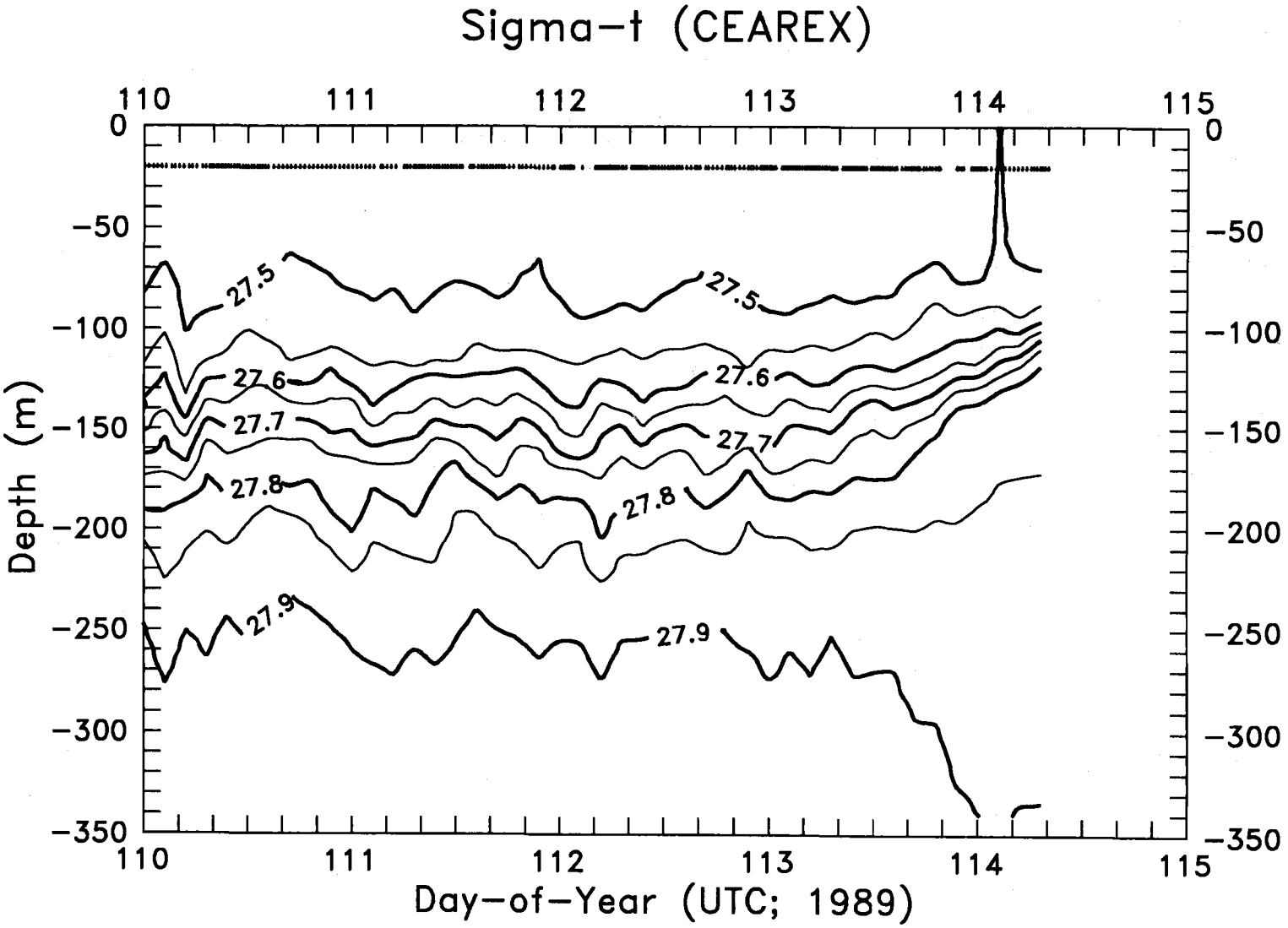

Salinity (CEAREX)
110
111
112
113
114
115
0
−50
−100
−150
−200
−250
−300
−350
Depth (m)
34.3
34.5
34.7
34.9
Day−of−Year (UTC; 1989)

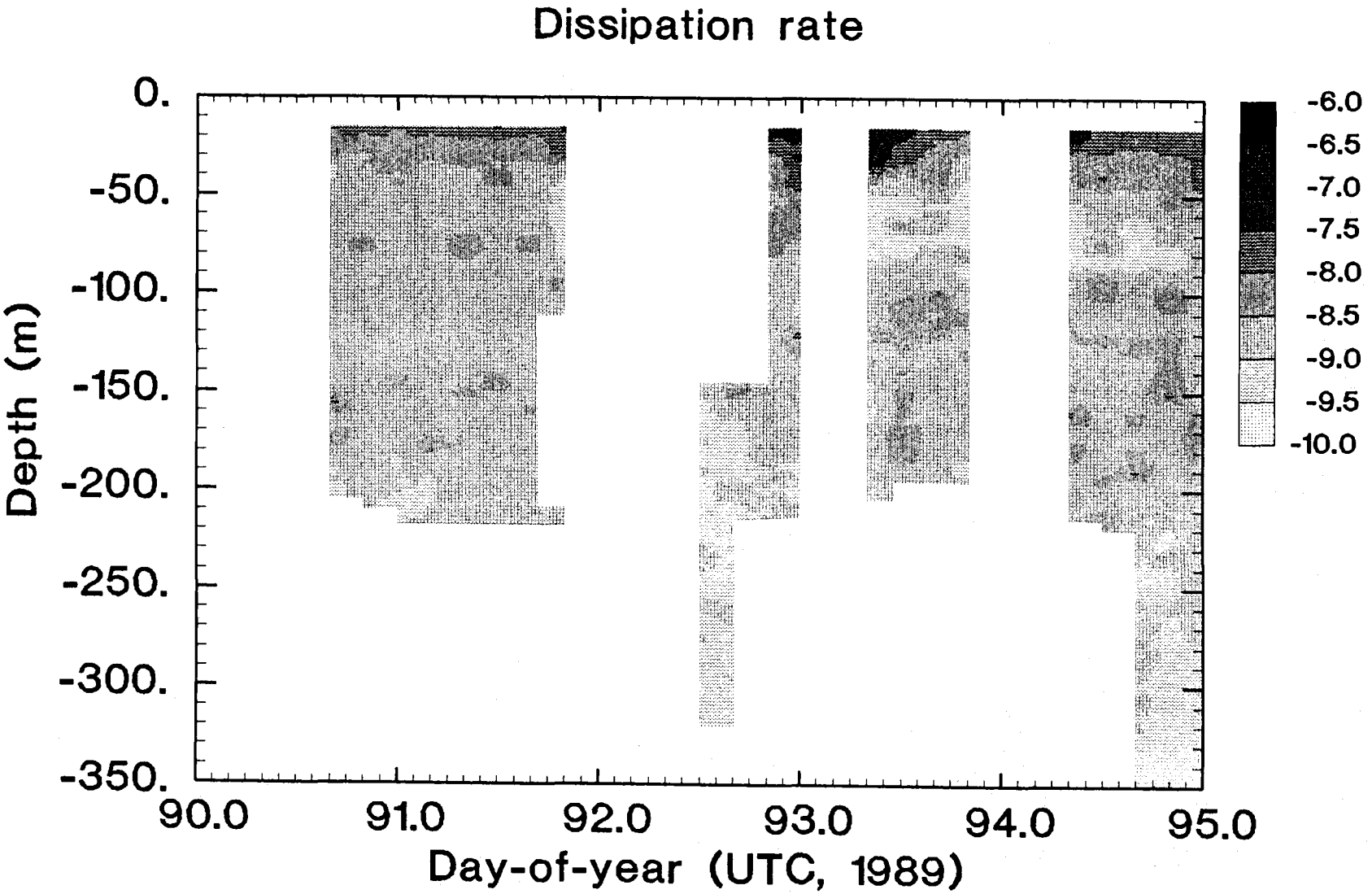

Sigma-t (CEAREX)
90
91
92
93
94
95
0
-50
-100
-150
-200
-250
-300
-350
Depth (m)
27.4
27.5
27.6
27.7
27.8
27.9
Day-of-Year (UTC; 1989)

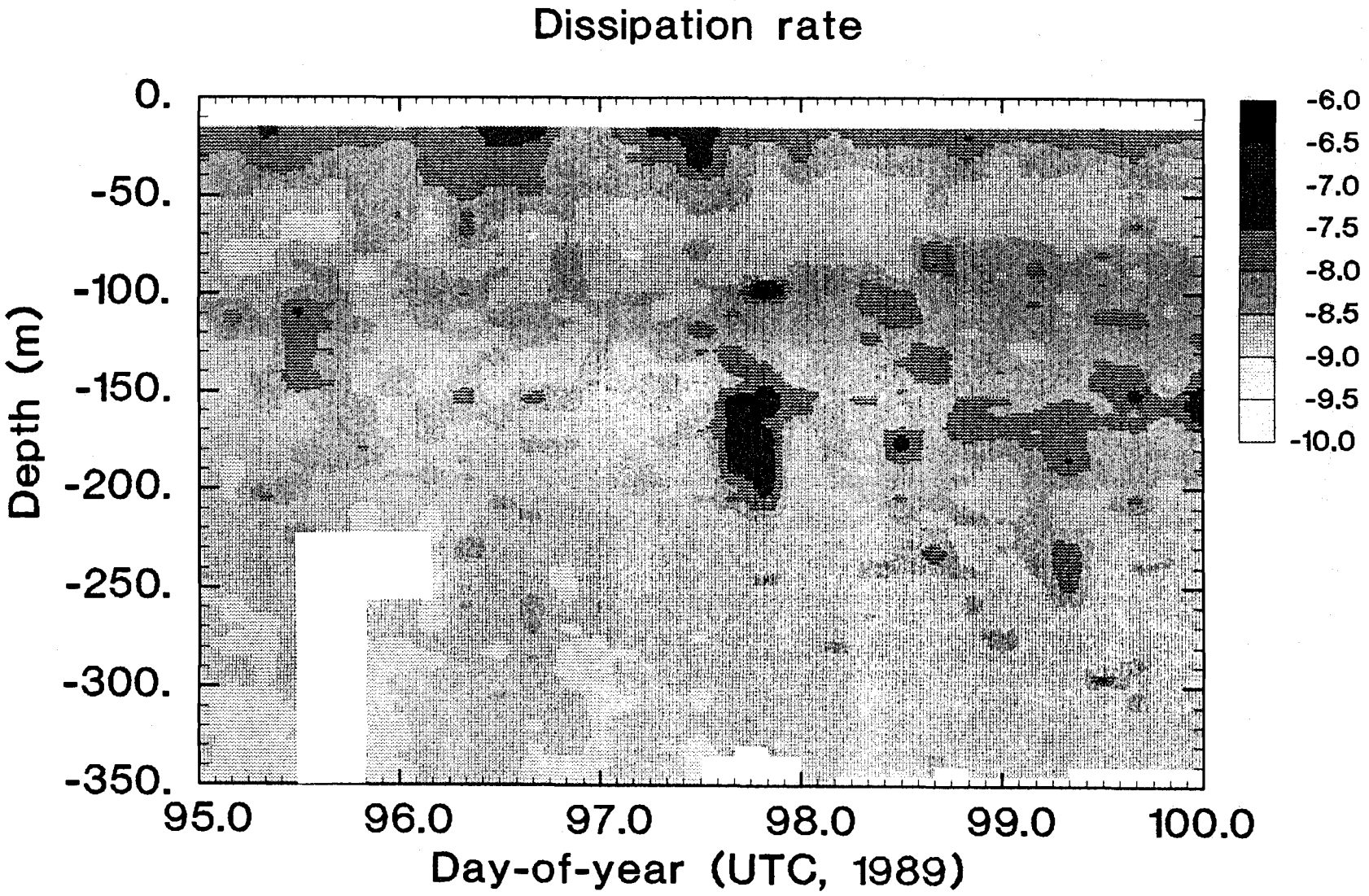

Sigma-t (CEAREX)
95
96
97
98
99
100
0
-50
-100
-150
-200
-250
-300
-350
Depth (m)
27.5
27.6
27.7
27.8
27.9
Day-of-Year (UTC; 1989)

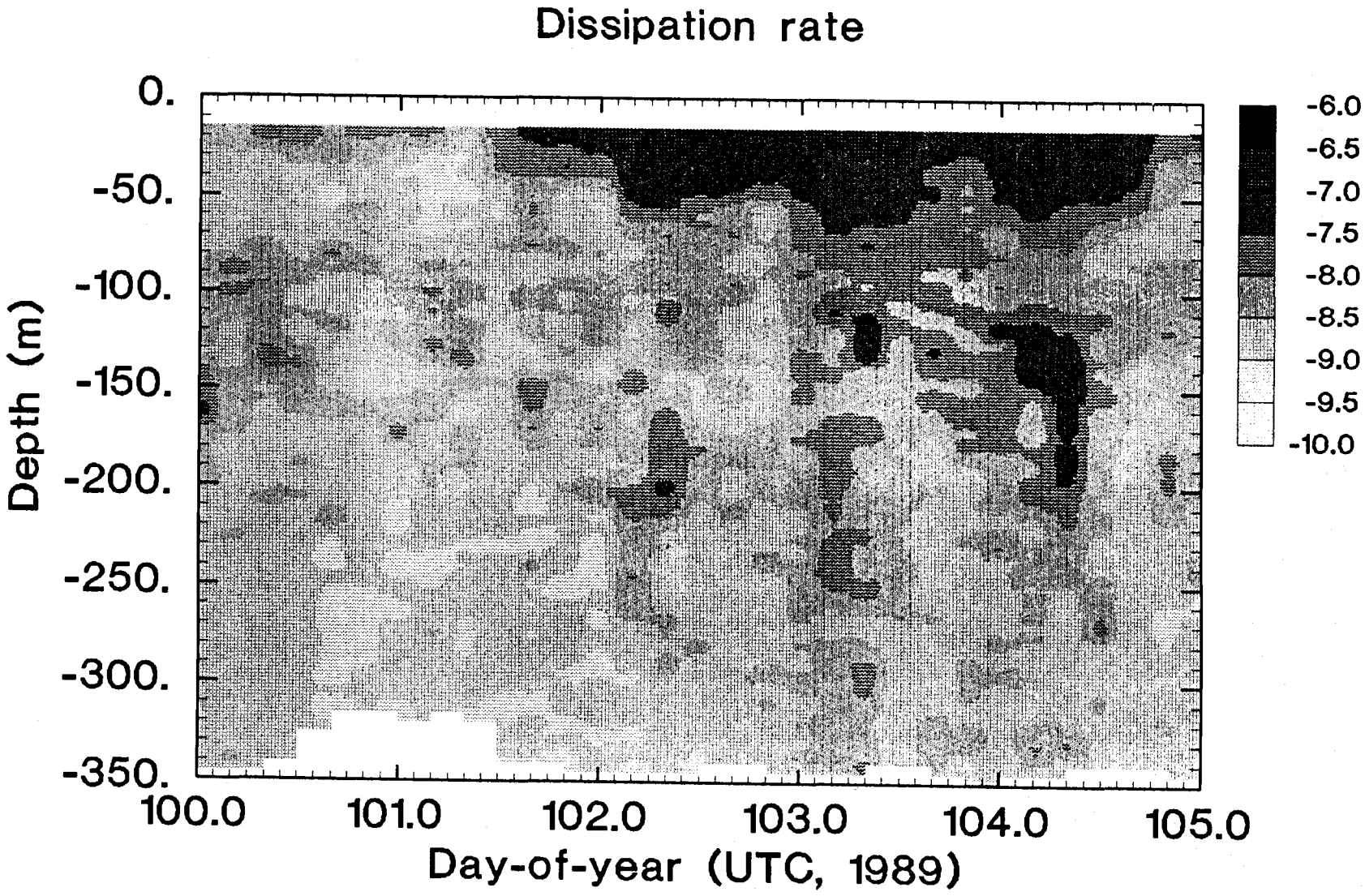

Sigma-t (CEAREX)
100
101
102
103
104
105
0
-50
-100
-150
-200
-250
-300
-350
Depth (m)
27.5
27.6
27.7
27.8
27.9
Day-of-Year (UTC; 1989)

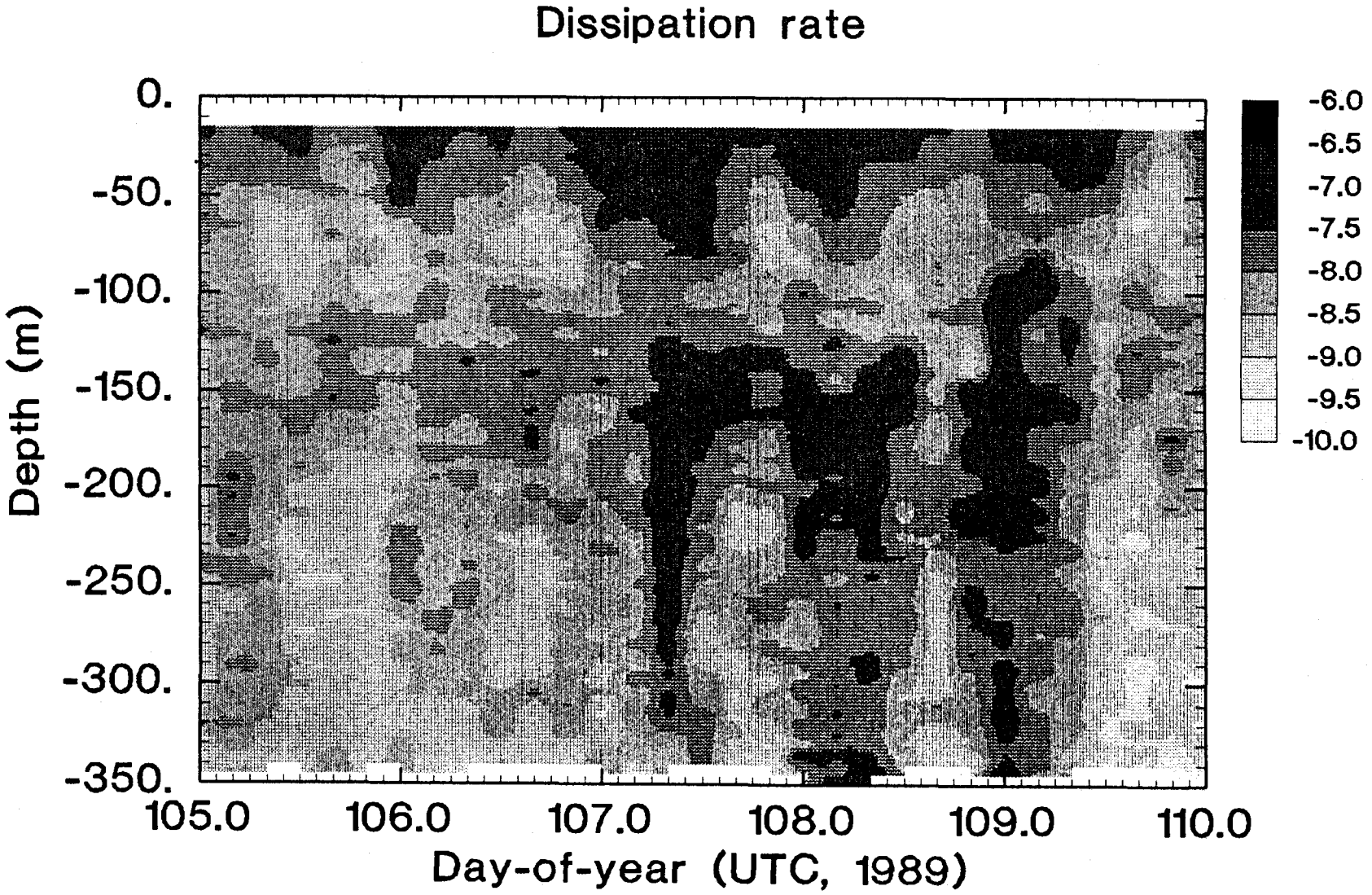

Sigma–t (CEAREX)
105
106
107
108
109
110
0
−50
−100
−150
−200
−250
−300
−350
Depth (m)
27.5
27.6
27.7
27.8
27.9
Day–of–Year (UTC; 1989)

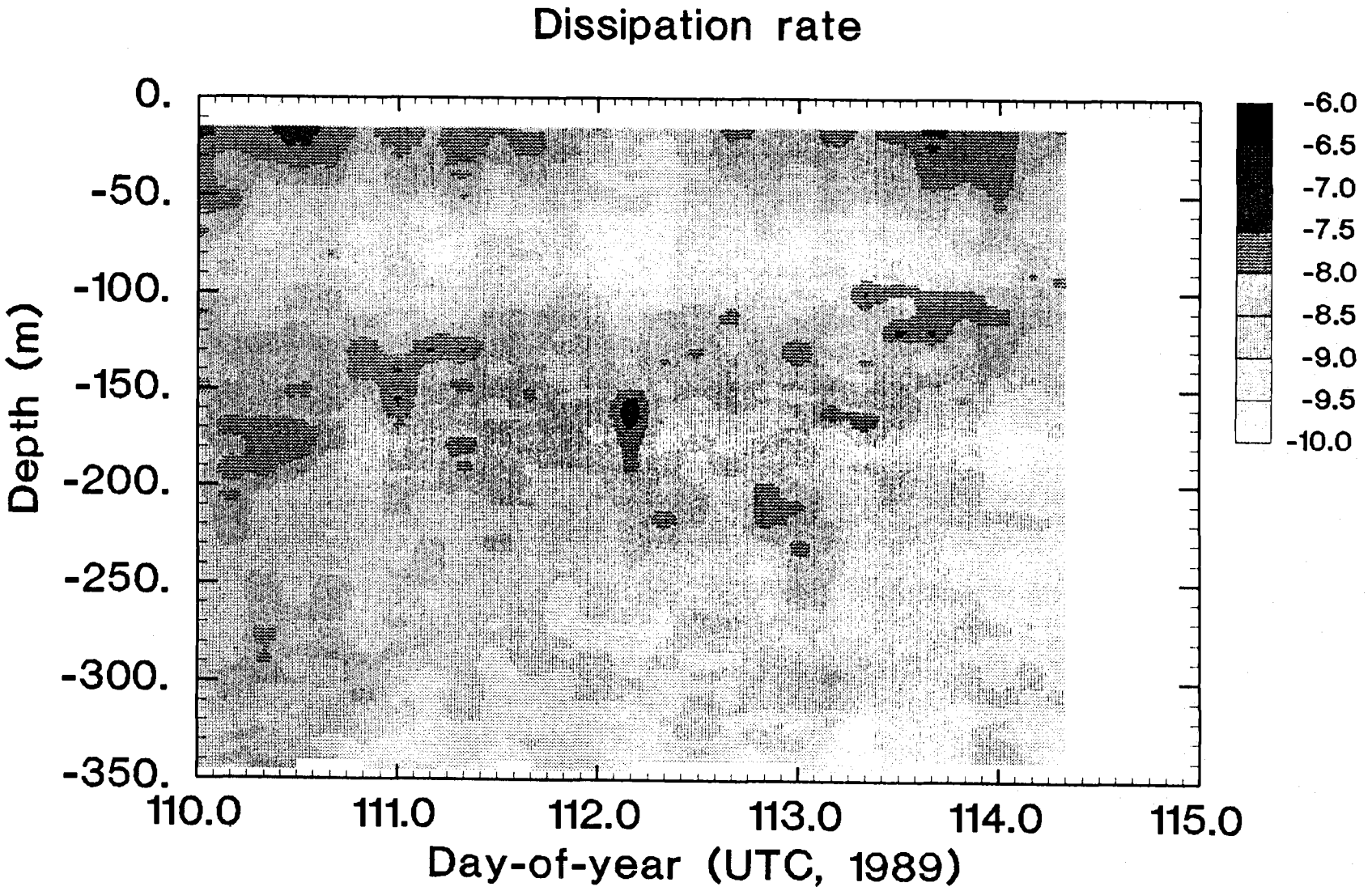

Sigma-t (CEAREX)
110
111
112
113
114
115
0
-50
-100
-150
-200
-250
-300
-350
Depth (m)
27.5
27.6
27.7
27.8
27.9
Day-of-Year (UTC; 1989)


Dissipation rate
0.
-50.
-100.
-150.
-200.
-250.
-300.
-350.
Depth (m)
90.0
91.0
92.0
93.0
94.0
95.0
Day-of-year (UTC, 1989)
-6.0
-6.5
-7.0
-7.5
-8.0
-8.5
-9.0
-9.5
-10.0


Dissipation rate
0.
-50.
-100.
-150.
-200.
-250.
-300.
-350.
Depth (m)
95.0
96.0
97.0
98.0
99.0
100.0
Day-of-year (UTC, 1989)
-6.0
-6.5
-7.0
-7.5
-8.0
-8.5
-9.0
-9.5
-10.0


Dissipation rate
Depth (m)
0.
-50.
-100.
-150.
-200.
-250.
-300.
-350.
100.0
101.0
102.0
103.0
104.0
105.0
Day-of-year (UTC, 1989)
-6.0
-6.5
-7.0
-7.5
-8.0
-8.5
-9.0
-9.5
-10.0


Dissipation rate
0.
-50.
-100.
-150.
-200.
-250.
-300.
-350.
Depth (m)
105.0
106.0
107.0
108.0
109.0
110.0
Day-of-year (UTC, 1989)
-6.0
-6.5
-7.0
-7.5
-8.0
-8.5
-9.0
-9.5
-10.0


Dissipation rate
0.
-50.
-100.
-150.
-200.
-250.
-300.
-350.
Depth (m)
110.0
111.0
112.0
113.0
114.0
115.0
Day-of-year (UTC, 1989)
-6.0
-6.5
-7.0
-7.5
-8.0
-8.5
-9.0
-9.5
-10.0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