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CALCULATION OF VERTICAL DIFFUSIVITY IN LAKE WASHINGTON
BASED ON LONG-TERM SIMULATION OF THERMAL STRUCTURE

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CALCULATION OF VERTICAL DIFFUSIVITY IN LAKE
WASHINGTON BASED ON LONG-TERM SIMULATION OF THERMAL STRUCTURE*

Gregory A. Lang and Donald Scavia

ABSTRACT. A one-dimensional vertical heat-diffusion model, empir-
ically parameterized in terms of the gradient Richardson number
and the Brunt-Vaisala frequency, is described. Comparison of
observed and simulated vertical thermal structure and total heat
content in Lake Washington for the period 1963-1976 demonstrates
that the model produces a good **parameterization** of bulk vertical
mixing processes. Fourteen years of daily-averaged, **model-**
calculated eddy diffusion coefficients **(k)** are presented. Narrow
99 percent confidence intervals calculated for mean eddy **diffu-**
sivity at depth indicate low year-to-year variability in k. The
model is also examined on a finer scale (0.5-m vertical segmenta-
tion, 5 min time step, and hourly forcing data) to simulate **diel**
stratification during 1972. Increased stability and subsequent
reduction in vertical mixing in the surface waters under **diel**
stratification suggest near-surface water (0-5 m) may be held at
that depth during the day rather than mixed throughout the **epilim-**
nion.

1.   INTRODUCTION

The vertical mixing processes that affect the biology, chemistry, and
thermal regimens of a lake are governed predominantly by turbulent motion.
Consider the downward transfer of solar heat absorbed at the lake surface, or
the spreading out (horizontally and vertically) of a contaminant spilled at
the surface, or the recycling of nutrients from the hypolimnion back into the
photic zone where they may be taken up by algae (Schindler and Fee, 1973).
Parameterization and estimation of the vertical eddy diffusivity in lakes is
an important part of flux calculations, mass balances, and fate and transport
models.

Many investigators have estimated diffusivity directly from temperature
data (e.g., Lewis, 1983; Jassby and Powell, 1975; Hutchinson, 1957). The
approach involves "back-calculating" diffusion coefficients from successive
temperature profiles, corrected for solar radiation adsorption. These esti-
mates are limited to the frequency of temperature observations and are usually
restricted to times when the lake is stratified and to regions below the
epilimnion.

In the present study we use a set of empirical formulas to parameterize
eddy diffusion in terms of certain stability parameters (Richardson number and
Brunt-Vaisala frequency). A heat-diffusion model is formulated to estimate
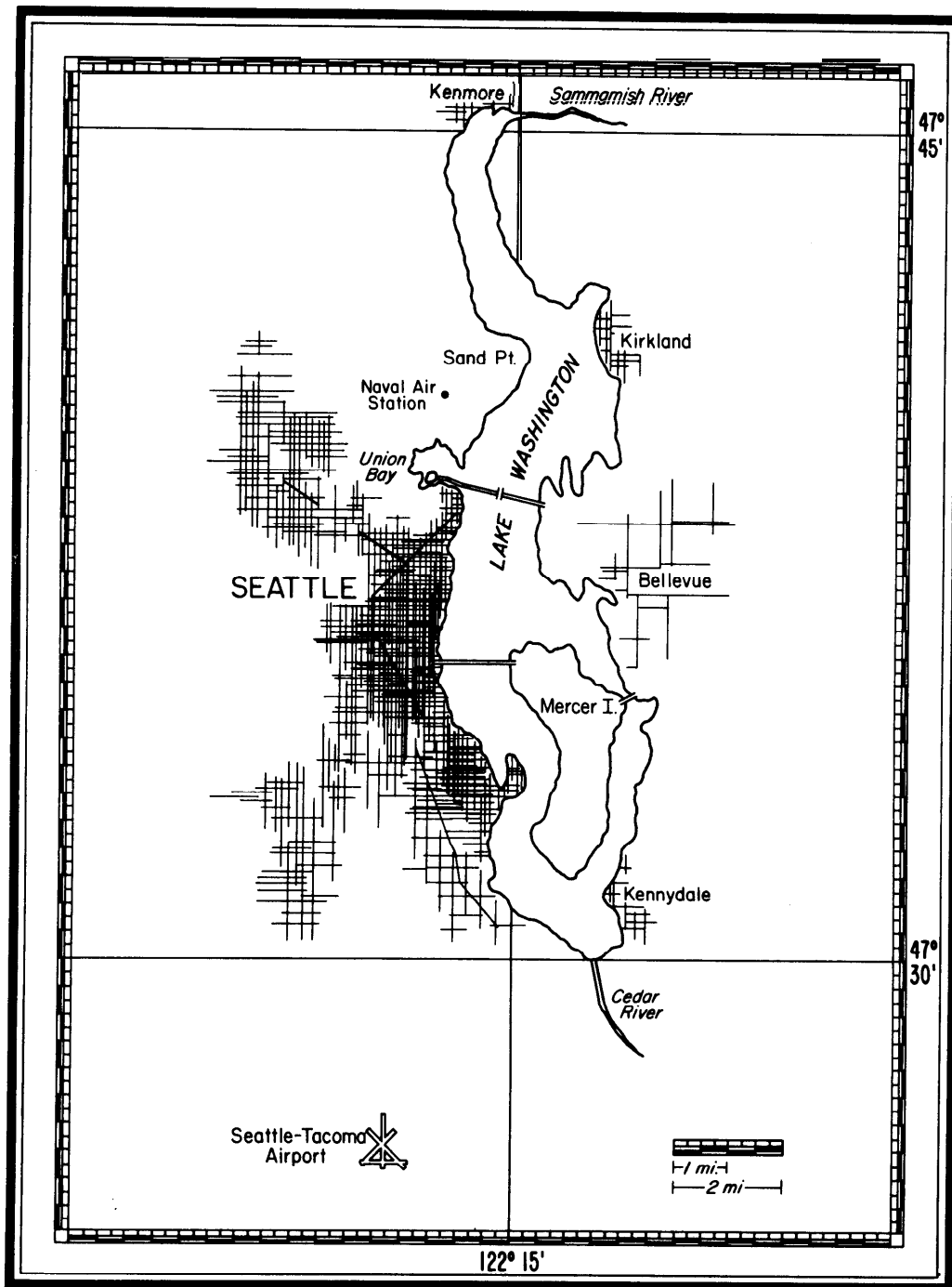
Figure 1.--Lake Washington and surrounding area. Meteorological
data were collected at the Naval station located at Sand Point and
at the Seattle-Tacoma Airport located southwest of Lake
Washington.

the thermal structure of Lake Washington. Lake Washington provides an excellent source of long-term water temperature data (spatially and temporally abundant) that is necessary for model calibration and verification. Model simulations result in a continuous record of vertical profiles of lake-averaged temperature and diffusivity from 1963 to 1976.

2.   SITE DESCRIPTION

Lake Washington is a relatively small, temperate lake located near Seattle, Washington. It has a surface area of 88 km2, a volume of 3.1 km^3, and mean and maximum depths of 33 m and 65 m, respectively. For comparison, Lake St. Clair has a surface area of 1,114 km^2 and a volume of 4.7 km3. Lake Washington is fed by two main rivers, the Sammamish and the Cedar, and several smaller tributaries and it drains into Puget Sound through Lake Union (Fig. 1).

Lake Washington undergoes annual stratification, a strong thermocline developing near 12 m from the surface. During the winter the lake temperature remains above 4°C and substantial vertical mixing by wind action and convective overturn assures isothermal conditions. Chemical and biological samples at widely separated stations around the lake throughout the year suggest a high degree of lateral homogeneity (Walters et al., 1978)

3.   MODEL DEVELOPEMENT

A one-dimensional heat-diffusion model is formulated from previous Lake Washington modeling efforts (e.g., Walters, 1977; McCormick and Scavia, 1981). The equation describing the vertical distribution of heat over time is

$$\frac{\partial T}{\partial t} = \frac{1}{A} \frac{\partial}{\partial z}[(k + k_m) A \frac{\partial T}{\partial z}] + \frac{Q}{VrC_v} \qquad (1)$$

where T = temperature (°C);

    V = volume (cm^3);

    A = cross sectional area as function of depth (cm^2);

    k = vertical eddy diffusivity ($cm^2 s^{-1}$);

    k_m = molecular diffusivity for heat (= 0.0014 $cm^2 s^{-1}$);

    Q = external heat flux (cal $cm^{-2} s^{-1}$);

    r = water density (g cm^{-3});

    C_v = specific heat (cal $g^{-1} c^{-1}$);

    t = time (s); and

    z = depth (cm).

The model is driven by net heat flux across the lake surface calculated from albedo-corrected incoming solar radiation, sensible heat loss (Thompson, 1974), evaporative heat loss (Hutchinson, 1957; Thompson, 1974), black-body heat loss (Walters, 1977), and incoming and outflowing fluvial heat. Most of the infrared light (48 percent of the total incoming radiation) is effectively absorbed in the top few centimeters (Jassby and Powell, 1975) and, based on the space-scale of our model, is added directly to the heat content of the surface layer. The remaining light (heat) is assumed to attenuate as

$$Q(z) = A (1-f) Q_0 e^{(-Lz)} \tag{2}$$

where $Q(z)$ = insolation flux at depth z (cal cm^{-2} s^{-1});

$\quad$ f $\quad$ = infrared portion of incoming radiation;

$\quad Q_0 \quad$ = insolation at surface (cal cm^{-2} s^{-1}); and

$\quad$ L $\quad$ = extinction coefficient (m^{-1}).

The extinction coefficient is estimated from Secchi depth observations (J. Jerome, National Water Research Institute, CCIW, Burlington, Ontario, personal communication) as follows:

$$L = \frac{0.757}{S} + 0.07 \qquad 2\ m < S < 10\ m \tag{3}$$

where S = Secchi depth (m).

The overriding component in (1) is the eddy diffusivity, varying continuously in time and space. The three vertical mixing regimes (epilimnion, thermocline and upper hypolimnion, and remainder of the hypolimnion) require different parameterizations of k (Fig. 2). Jassby and Powell (1975) developed an empirical relationship between the diffusion coefficient and the Brunt-Vaisala frequency, a measure of stability of the water column:

$$k = a\ N^{-1} \tag{4}$$

where

$$N = (- \frac{g}{r} \frac{dr}{dz})^{1/2}\ ; \tag{5}$$

$\quad$ N = Brunt-Vaisala frequency (s^{-1});

$\quad$ g = gravitational constant (cm s^{-2}); and.

$\quad$ a = constant of proportionality.
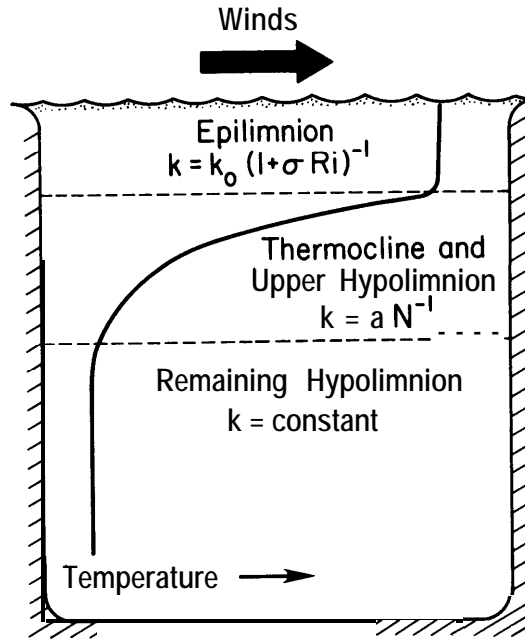
Figure 2.--Three vertical regimes of turbulent mixing in Lake Washington during a typical stratified period.

This relationship is strongest in the region of high stratification, bounded above by the thermocline and below by the relatively isothermal deep hypolimnion. The constant of proportionality in (4) is calculated from the diffusive flux of heat across the thermocline, i.e., the values of k and N at the thermocline, k_{th} and N^2_{th}, respectively:

$$a = \log_{10} (k_{th}) + 0.5 \log_{10} (N^2_{th}) .$$ (6)

The heat flux across the thermocline is estimated using a relationship for the epilimnetic diffusion coefficient formulated by a number of **investigators** (Munk and Anderson, 1948; Kent and Pritchard, 1959; Sundaram and Rehm, 1971):

$$k = k_o(1 + sRi)^{-q}$$ (7)

where

$$k_o = c\ U* ;$$ (8)

$$Ri = \frac{N^2}{(du/dz)^2} ;$$ (9)

k_o = eddy diffusivity under neutral stability (cm^2 s^{-1});
Ri = dimensionless Richardson number;
u = horizontal water velocity (cm s^{-1});
c = empirical constant (cm); and
s,q = empirical constants (dimensionless).

The term du/dz is the velocity sheer and is defined as

$$\frac{du}{dz} = \frac{U^*}{Kz} \tag{10}$$

where

$$U^* = (C_d\ W^2\ r_a/r_w)^{1/2} ; \tag{11}$$

U^* = friction velocity (cm s^{-1});

K = Von Karman's constant (= 0.4, dimensionless);

C_d = dimensionless wind drag coefficient;

W = over-water wind speed (cm s^{-1}); and

r_a/r_w = ratio of air density to water density (dimensionless).

For q, we use a value of 1.0 on the basis of the theoretical results of Walters et al. (1978). Values for c and s were derived both from theory (Sundaram and Rehm, 1971; Walters, 1977; Sengupta et al., 1981) and from a 14-year model calibration with data. We use values of 6.67 cm and 0.1 for c and s, respectively. The value of k at the thermocline, calculated by (7), is reduced by 25 percent to assure minimum diffusivity in the region of maximum temperature gradient and to improve calibration with temperature observations. The hypolimnetic diffusivity below the region of high stratification is assumed constant and equal to 10 times the thermocline diffusivity.

Another means of vertical heat transport is through free convection. Thermal instabilities may develop during periods of sustained surface cooling, notably during the fall cooling period, with subsequent thermocline erosion and overturn. These instabilities are removed by convection events, in which cooler, more dense surface water is mixed with warmer, less dense water below it. This process cascades down the water column until the hydrostatic instability is eliminated. The actual time-scale of this readjustment to stable conditions is unknown; however, we make the adjustment instantaneous relative to the diffusive flux. On the basis of findings of Gill and Turner (1976) and the observed increase in heat below the thermocline during cooling events in Lake Washington, we use a conservative, partially penetrative convection scheme. (For more detailed explanations of convection see Pollard et al., 1973; Gill and Turner, 1976; Phillips, 1977.)

During stratified periods, (7) is applied only above the thermocline because it is based on boundary layer approximations. During nonstratified periods the water is typically isothermal and vertical mixing is nearly

instantaneous, often dominated by free convection, and (7) is used throughout the water column.

4. METHODS

The one-dimensional heat-diffusion model was numerically integrated using Euler's one-step method. The lake was segmented vertically into twenty-six 2.5-m well-mixed layers and the integration step was 4 h. For initial conditions, observed temperature profiles on the first day of simulation were used; boundary conditions consisted of surface heat flux (calculated from the surface heat balance) and zero heat flux through the lake bottom. To maintain numerical stability, an upper limit was imposed on the values of the calculated diffusivities (Roache, 1972; Thomann, 1972):

$$k_{max} < \frac{dz^2}{2dt} \qquad (12)$$

where k_{max} = maximum allowable diffusivity (= 2.17 $cm^2 s^{-1}$);
dz = mixing length (cm); and
dt = time step of integration (s).

Whenever a calculated diffusivity exceeded k_{max} it was set equal to k_{max}.

Temperature data, used to calibrate and verify the heat-diffusion model, have been collected since the early 1930's. Early studies such as those by Scheffer and Robinson (1939), Peterson (1955), Edmondson (1972), and Edmondson and Lehman (1981) are representative and provide sampling sites, frequencies, and methods employed over the years. The present study used data gathered from the early 1950's to the present (W.T. Edmondson, University of Washington, unpublished data).

Meteorological input data were amassed from two sources obtained through the National Climatic Data Center, Ashville, NC. Air temperature, wind speed, and dew point from 1963 to 1969 were obtained from a Naval Weather Service station located on the lake shore in Seattle. Air temperature, wind speed, and dew point from 1970 to 1976 and total incoming solar radiation from 1963 to 1976 were obtained from a NOAA weather station located at the Seattle-Tacoma Airport.

Wind speed measured at the airport was multiplied by 0.91, a value based on a regression (Fig. 3) of Naval station (near-lake) to airport wind speed from 1963 to 1969. Overlake wind speed was estimated from overland wind speed and the air-sea temperature difference, using the Resio and Vincent method described in Schwab and Morton (1984).

Lake volume changes and hydrologic inputs, including atmospheric, tributary (Cedar and Sammamish Rivers and small streams), and runoff, were calculated by J.T. Lehman (University of Michigan, unpublished data) for use in surface heat budget calculations.
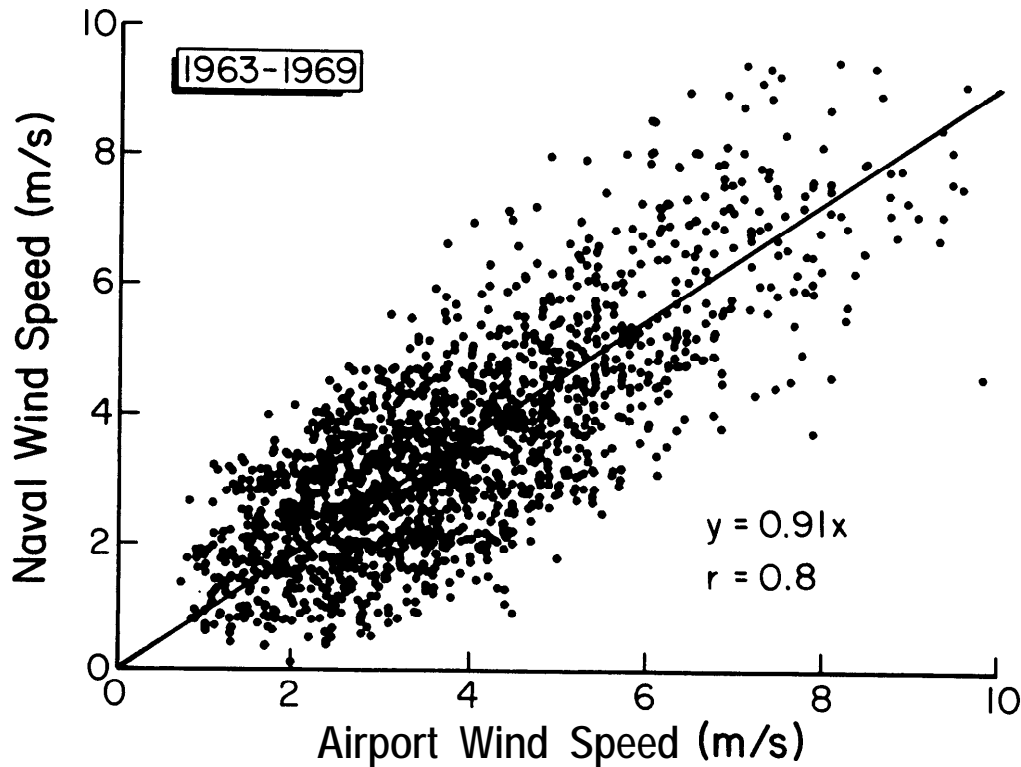
Figure 3.--Comparison of Naval station and airport wind speeds, 1963-69. Anemometer heights equal 6.1 m.

5. RESULTS

Results of model simulations for 1976 temperature (Fig. 4) and diffusivity (Fig. 5) are based on a 14-year calibration and are representative of other years. The Appendix contains the record of daily-averaged model-calculated diffusion coefficients, 1963-76, at 1-week intervals. A more detailed listing is available upon request. Note that the accuracy of the 1967 simulation was less than desirable because, we believe, of suspect forcing data, and thus one is cautioned when examining and/or using the 1967 diffusivities. Also note that application of these model-generated diffusion coefficients should be limited to the same time- and space-scales as those used in the heat-diffusion model.

According to our heat-diffusion model the surface heat flux equations account for all the heat entering and leaving the lake. Therefore, their credibility, as well as the credibility of the model, may be tested by comparing the total lake heat content calculated by the model with that of the data. Assuming lateral homogeneity, total lake heat content is the sum of individual layer heat contents (equal to the product of layer temperature, layer volume, water density, and specific heat). Data and model total heat contents from 1963 to 1976 (Fig. 6), calculated on all days in which temperature observations were available, agree closely ($r = 0.95$, $n = 394$).
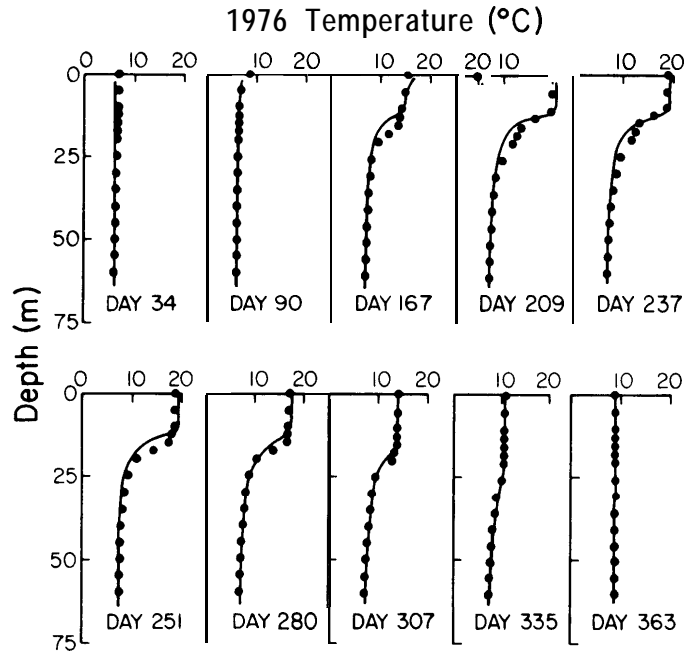
1976 Temperature (°C)

Figure 4.--1976 temperature profiles for Lake Washington. Solid lines represent daily-averaged model-simulated temperatures, and dots represent observed values. The model simulation was started on January 1 (= Day 1).

1976 Daily-Averaged k (cm^{2}s^{-1})
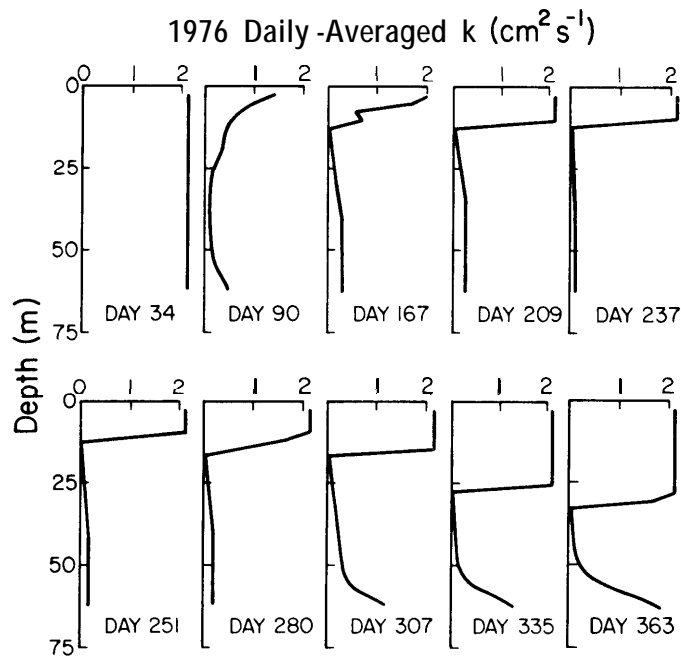
Figure 5.--1976 daily-averaged model-generated diffusivity for Lake Washington. These profiles correspond to the temperature profiles of Figure 4.
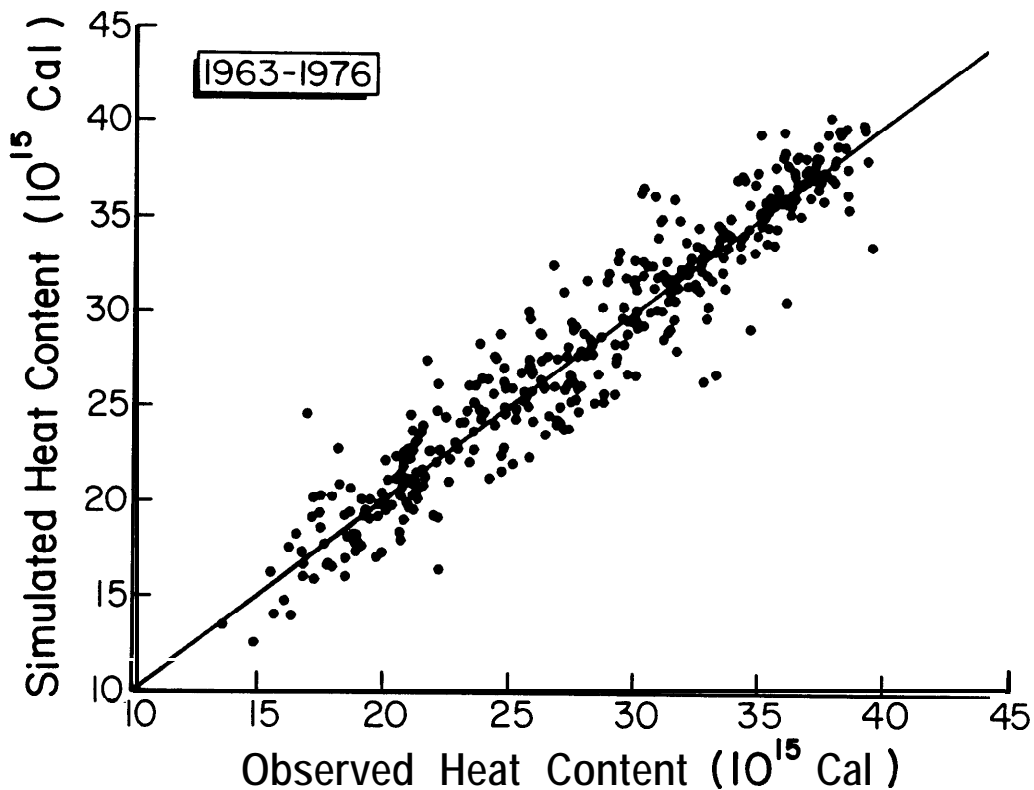
Figure 6 .--Comparison of simulated and observed total lake heat content for Lake Washington, 1963-76 (n = 394).

The heat-diffusion model was also used to predict the onset and breakup of stratification and the thermocline depth for the 14 years of simulation (Fig. 7). The lake is considered stratified when the vertical temperature gradient exceeds $0.8°C$ m-1; the depth of the largest such gradient is considered the thermocline depth. Notice a general pattern during early stratification: weak, shallow thermoclines are alternately formed by increased heating and eroded by wind action. Thus, the actual onset of stratification is difficult to define. Therefore, in order to compare stratified lake temperatures or diffusivities across years, we define the stratified period (used in the discussion) as the period of time in which a 12.5-m thermocline is maintained. This depth was chosen because the model predicted that the thermocline was at 12.5 m for a longer time than at any other depth during 12 of the 14 simulated years.

6. DISCUSSION

This multi-year simulation of the Lake Washington thermal structure provides the opportunity to examine the year-to-year variability of the vertical eddy diffusion coefficient. Model-generated epilimnetic and metalimnetic
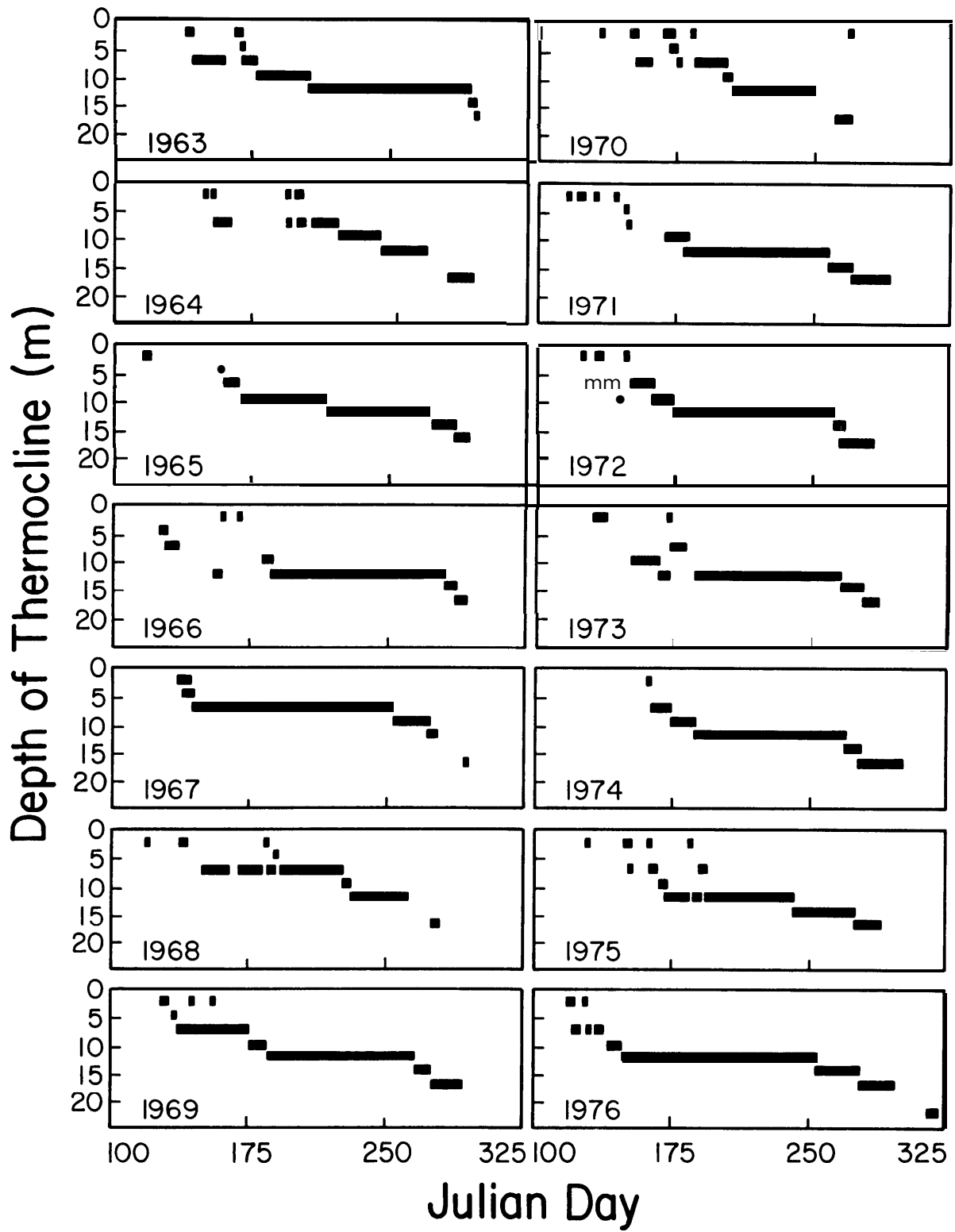
Figure 7 .--Model-calculated depth of thermocline during stratification of Lake Washington, 1963-76.

diffusivities are examined during the stratified periods (12.5 m thermocline) for 13 years, 1963-66 and 1968-76. Diffusivities for 1967 are omitted from this discussion because of suspect 1967 forcing data, and hypolimnetic diffusivity is omitted because it is directly proportional to the thermocline diffusivity.

The thermocline was at a depth of 12.5 m for 929 days during the 13 years. A sample of the end-of-day diffusivities during the 13 stratified periods was selected, and 99 percent confidence intervals were calculated for mean eddy diffusion at depth (Table 1). The narrow confidence intervals indicate little variation in the diffusion coefficient at depth during the stratified periods of the 13 years (Fig. 8).

Epilimnetic diffusivities often exceed (and are thus set equal to) the maximum value allowed on the basis of numerical stability constraints (Fig. 9). Including these high epilimnetic diffusivities, which are due to wind effects, nocturnal convection, and negligible thermal gradients, would actually enlarge the mean and variability of epilimnetic diffusivities. Therefore, the 99 percent confidence intervals for mean epilimnetic diffusivity are at least as large as those calculated in Table 1.

The region of minimum diffusion (upper metalimnion) is of particular ecological and physical significance. This region, located generally at the depth of strongest thermocline gradient, regulates the vertical exchange of materials or energy in a stratified lake. For example, it may affect the cycling of nutrients between the epilimnion and hypolimnion (Schindler and Fee, 1973) or the vertical distribution of plankton (Platt, 1972). Listed in Table 2 are the model-calculated, minimum diffusion coefficients averaged by month for each of the 13 years. Also listed in Table 2 are the model-calculated mean minimum diffusivities during the stratified periods; these values can be compared with the molecular diffusivity for heat, 0.0014 $cm^2 s^{-1}$.

Table 1 .--Ninety-nine-percent confidence intervals for mean eddy diffusivity (n = 929) at various depths during the stratified periods of 1963-66 and 1968-76

Depth (m)	Confidence Interval ($cm^2 s^{-1}$)		Region
2.5	1.8645,	1.9495	Epilimnion
5.0	1.6070,	1.7190	"
7.5	1.0849,	1.2197	"
10.0	0.9264,	1.0600	"
12.5	0.0165,	0.0191	Upper Metalimnion
15.0	0.0267,	0.0307	"
17.5	0.0376,	0.0430	Lower Metalimnion
20.0	0.0487,	0.0557	"
22.5	0.0602,	0.0688	"
25.0	0.0724,	0.0826	"
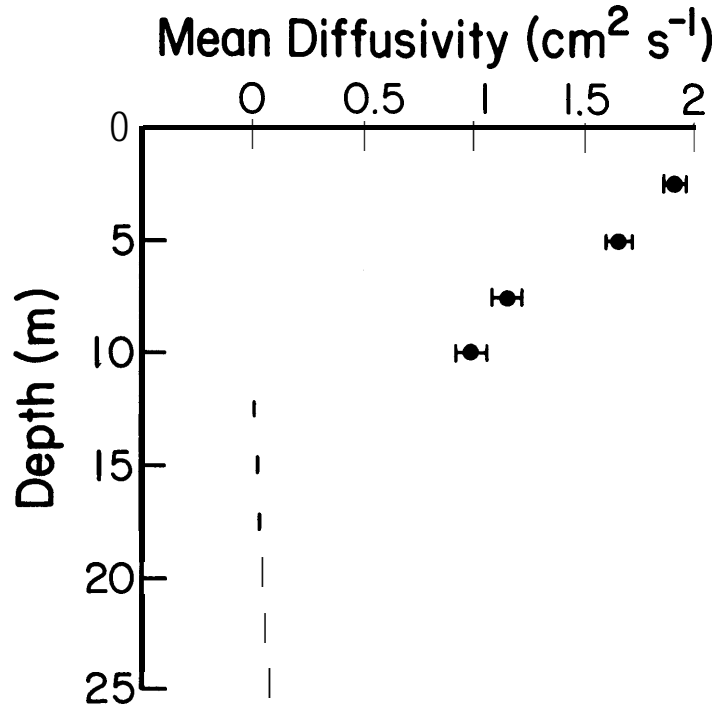
Figure 8 .--Ninety-nine-percent confidence intervals for mean epilimnetic and metalimnetic diffusivity during stratified period (n = **929),** 1963-66, 1968-76.
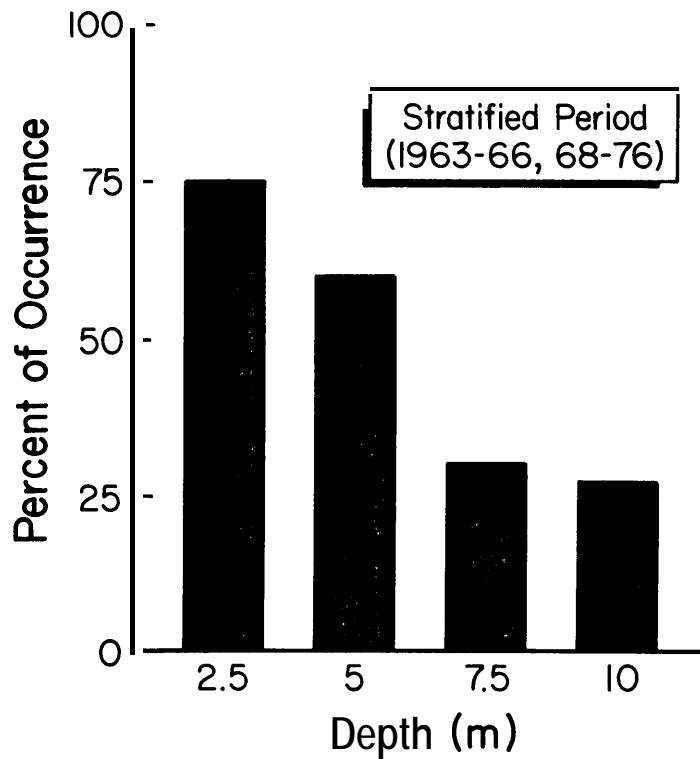
Figure 9. --Occurrence (as percent) of model-calculated epilimnetic diffusivity exceeding the maximum value allowed on the basis of numerical stability constraints.

Table 2. Model-calculated minimum diffusion coefficient ($cm^2 s^{-1}$) averaged by month and stratified period (Julian Days in parentheses), 1963-66, 1968-76

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		Stratified
1963	2.078	0.410	0.412	0.179	0.139	0.095	0.027	0.009	0.009	0.040	0.138	1.198	0.010	(205-292)
1964	2.101	1.055	1.050	0.414	0.143	0.094	0.081	0.030	0.042	0.029	0.123	1.549	0.024	(239-264)
1965	1.942	1.502	0.307	0.185	0.168	0.062	0.018	0.016	0.021	0.035	0.083	0.588	0.017	(215-270)
1966	2.006	1.734	1.217	0.249	0.152	0.105	0.022	0.016	0.020	0.056	0.062	0.712	0.019	(184-278)
1968	1.720	0.751	0.310	0.234	0.182	0.048	0.031	0.019	0.048	0.090	0.061	1.752	0.023	(231-261)
1969	2.129	1.309	0.435	0.289	0.114	0.045	0.018	0.019	0.030	0.031	0.055	0.110	0.019	(184-265)
1970	1.781	0.840	0.358	0.302	0.152	0.153	0.063	0.016	0.051	0.071	0.551	2.079	0.023	(206-249)
1971	1.950	1.483	1.737	0.435	0.184	0.061	0.015	0.015	0.027	0.040	0.099	1.602	0.017	(179-257)
1972	2.147	1.669	0.651	0.541	0.152	0.047	0.016	0.011	0.026	0.046	0.050	1.240	0.016	(175-262)
1973	1.593	0.772	0.454	0.186	0.104	0.058	0.023	0.010	0.014	0.036	0.093	0.521	0.015	(187-266)
1974	2.053	1.325	0.802	0.246	0.114	0.064	0.018	0.012	0.019	0.015	0.075	0.518	0.014	(189-271)
1975	2.002	1.850	1.234	0.426	0.209	0.108	0.028	0.021	0.018	0.050	0.402	2.023	0.027	(172-241)
1976	1.884	1.966	1.578	0.304	0.130	0.027	0.011	0.013	0.015	0.018	0.032	0.078	0.019	(149-255)

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The time- and space-scales of the forcing data and temperature observations have thus far restricted our modeling efforts to "daily-averaged" temperatures and "daily-averaged'* diffusivity. However, 1972 meteorological data were available at hourly intervals, and we obtained temperature data from diurnal experiments during three separate Lake Washington cruises in 1972 (W.T. Edmondson, personal communication). With these data we were able to simulate finer-scale thermal structures with emphasis on **diel** stratification.

Diel stratification is an epilimnetic event. During late morning and early afternoon a stable buoyancy gradient is established in the upper **epilimnion** as the rate of surface heating exceeds the rate of heat removal to the lower epilimnion. A **diel** thermocline soon forms at a depth shallower than the seasonal thermocline and epilimnetic turbulent mixing is greatly reduced. Cooling of the surface waters begins in late afternoon and continues throughout the evening into early morning, thus eroding the stable temperature gradient and the **diel** thermocline. Nocturnal cooling is often severe enough to cause hydrostatic instabilities, resulting in convection events.

For our purposes, the heat-diffusion model of (1) was left unchanged, but the lake was vertically segmented into 130 0.5-m well-mixed layers and the time step of itegration was shortened to 5 min. The results of this effort (Fig. 10) indicate general agreement between the fine-scale model temperatures and observed temperature at various depths over time (note that the model was not recalibrated for these simulations). Notice the **diel** heating pattern that develops in the upper half of the epilimnion. Fine-scale model-generated epilimnetic diffusion coefficients for the same time periods also display a pronounced **diel** pattern (Fig. 11). The epilimnetic **diel** temperature cycle is more readily seen in the simulated temperature profiles for each hour of 15 July 1972 (Fig. 12).

Denman and Gargett (1983) proposed that the time- and space-scales of turbulent mixing above the thermocline are related to the stability of the water column and the surface wind speed. The time required to mix a particle from the surface down to a depth **z** is given by

$$t_m = \frac{0.8 \; z^3 \; \overline{N^2}}{(U^*)^3}$$

(13)

where t_m = theoretical mixing time (s); and

$\overline{N^2}$ = average value of N^2 from the surface down to depth z (s^{-2}).

The theoretical 5-m mixing time on 15 July 1972 (corresponding to the temperature profiles of Fig. 12) is calculated and shown graphically with the hourly surface and 5-m temperatures (Fig. 13). The time to mix particles from the surface down to 5 m increases from near instantaneous at 7 a.m., when the epilimnion is essentially well-mixed, to more than 30 days at 4 p.m., when the epilimnetic temperature gradient is at a maximum. This pattern is common
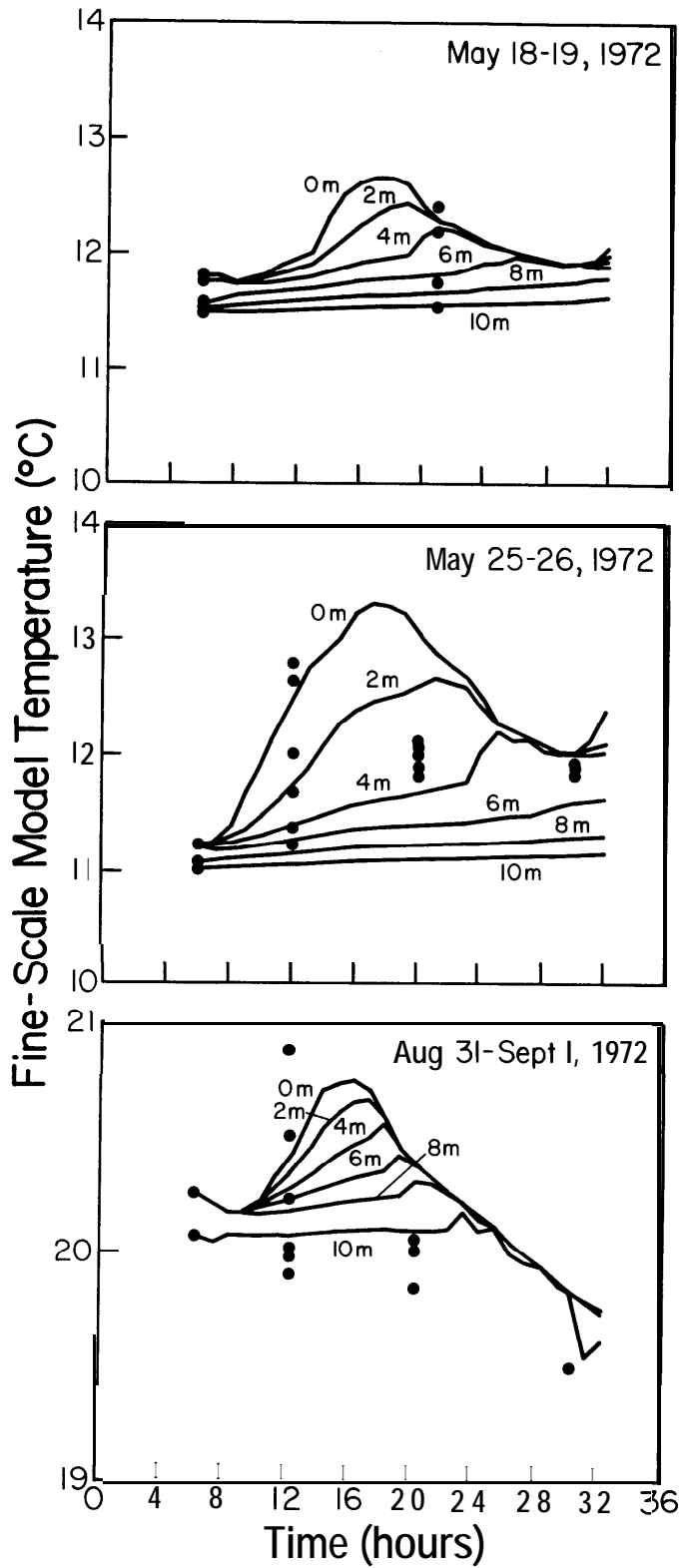
Figure 10.—Time series of epilimnetic temperatures generated by fine-scale heat-diffusion model for three cruises in 1972. Lines represent model simulation and dots represent obverved data at 0 m (warmest), 2, 4, 6, 8, and 10 m (coolest) from the surface.
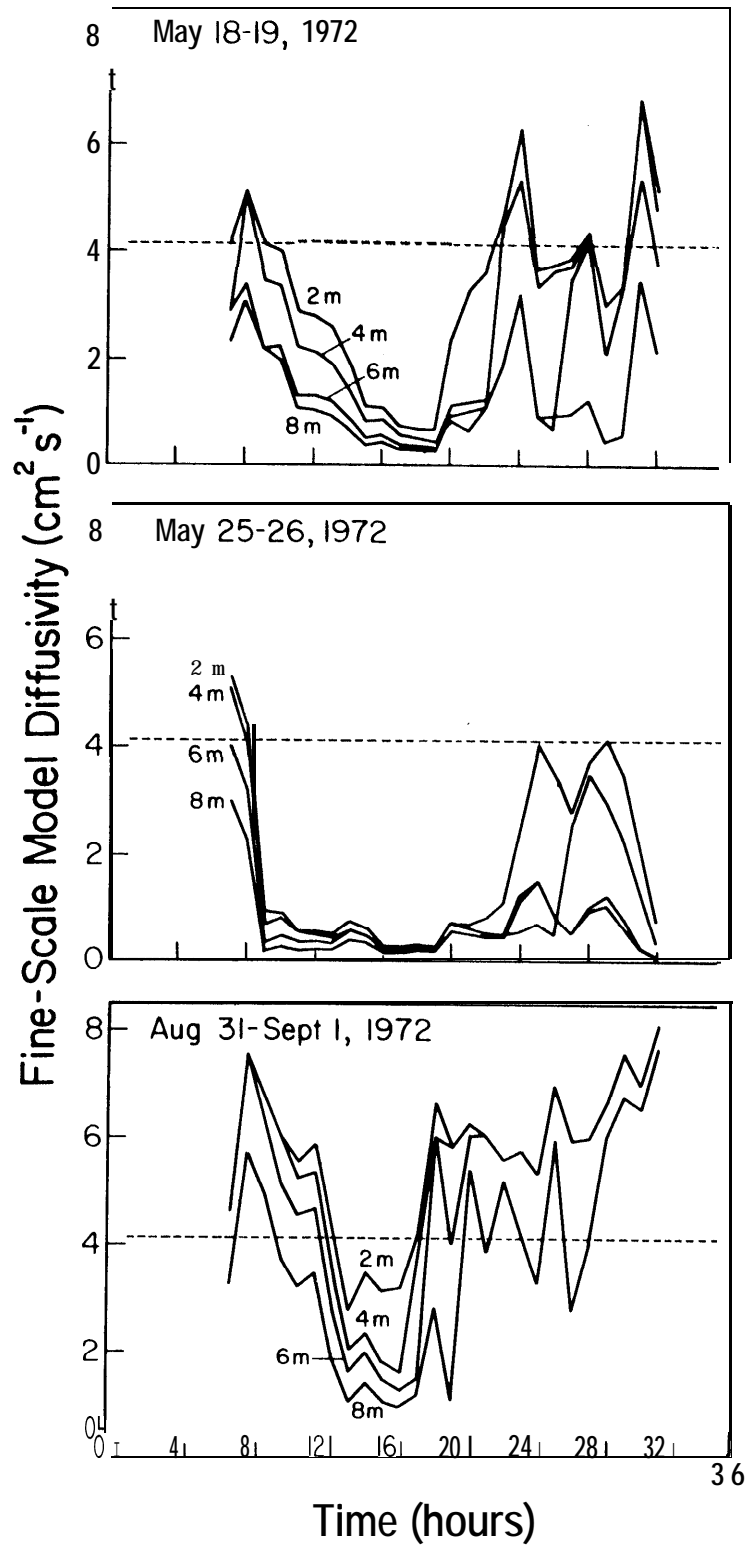
Figure 11 .—Time series of epilimnetic diffusivity generated by fine-scale model for three cruises in 1972. Depths are 2 , 4 , 6 , and 8 m from the surface. Dashed line represents the maximum value allowed on basis of numerical stability constraints (diffusivities greater than this value were set equal to this value).

Fine-Scale Model Temperature (°C)
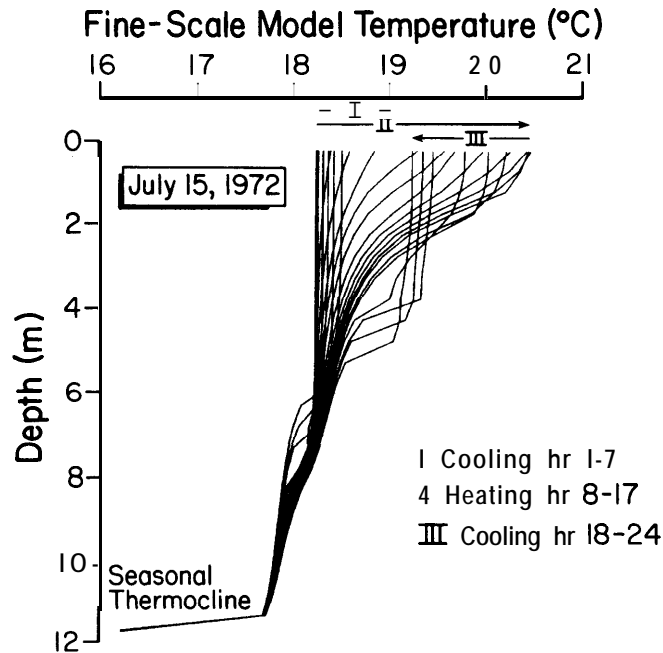
Figure 12.--Epilimnetic temperature profiles simulated by fine-scale model for Lake Washington, 15 July 1972. Three temporal regions are present: early morning cooling (I), late morning and afternoon heating (II), and evening cooling (III).
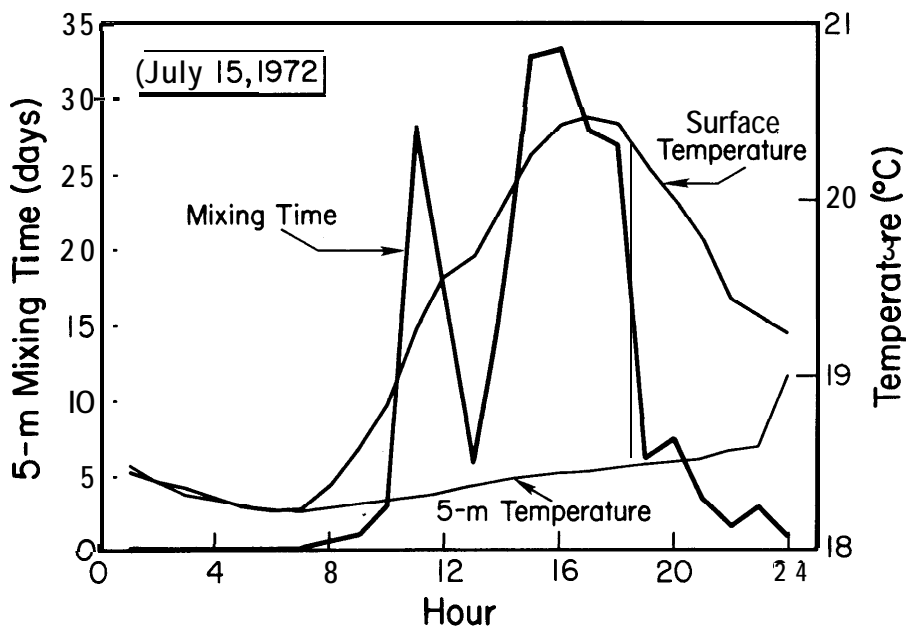
Figure 13.--Theoretical 5-m mixing time and simulated surface and 5-m water temperatures for Lake Washington, 15 July 1972. Notice correlation between mixing time and temperature gradient. Dip in mixing time at hour 13 was caused by wind event (60 percent increase in wind speed from hour 12 to hour 14).

during stratification (although most 5-m mixing times are generally less than 30 days). Throughout the entire 1972 stratified period (Fig. 14) the 5-m mixing time exceeded 12 h nearly 80 percent of the time during hour 16 and less than 5 percent of the time during hour 6. In addition, the 10-m mixing time exceed 12 h more than 90 percent of the time during hour 16 and less than 50 percent of the time during hour 7.

The physical and biological implications of these theoretical calculations are worth noting. The epilimnion would be truly well-mixed for less than half the day. During the rest of the day varying degrees of epilimnetic thermal gradients would greatly restrict mixing, with the possibility of **near-zero** exchange between the upper and lower epilimnion. This idea can be expanded to the phytoplankton community. At night the community would mix throughout the epilimnion. However, during the day a portion of the community would be limited to the top 4 or 5 m, and the rest would be limited to the remaining 7 or 8 m. This phenomenon, coupled with the daily cycle and vertical extinction of incoming solar radiation and the time-scale of photoinhibition, could potentially have great impact on epilimnetic primary production.
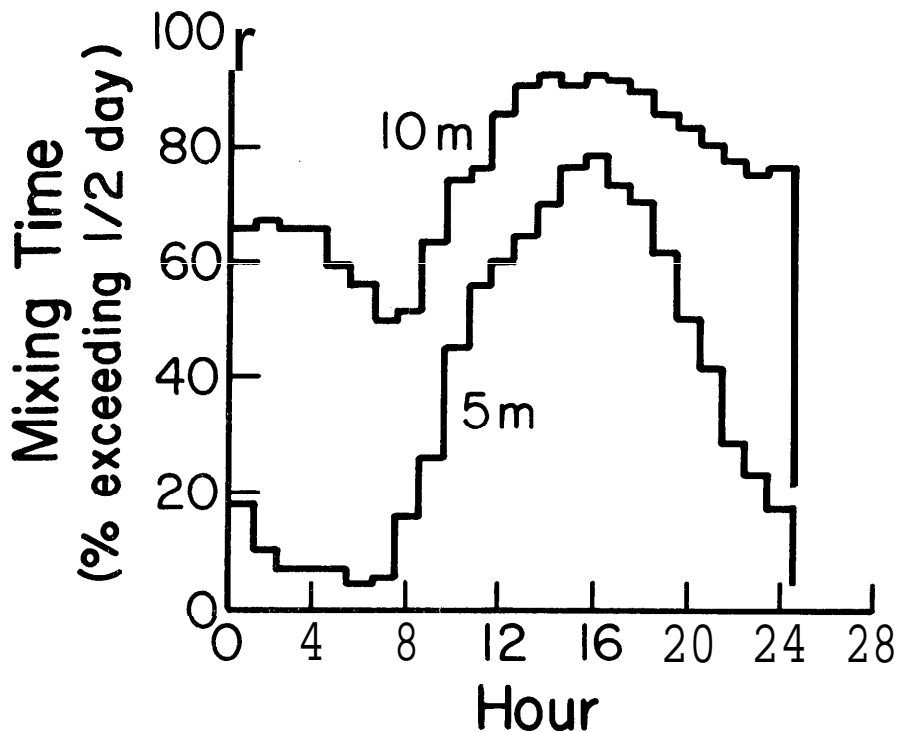
Figure 14.--Percent of occurrence of hourly 5- and 10-m theoretical mixing times exceeding 12 h during the 1972 stratified period, Lake Washington.

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7. SUMMARY AND CONCLUSIONS

A one-dimensional heat-diffusion model was used to simulate the daily thermal structure of Lake Washington for 1963-76. The model was driven and calibrated by extensive amounts of meteorological and lake data. The three vertical regimes (epilimnion, upper hypolimnion, and remaining hypolimnion) required three different parameterizations of the eddy diffusion coefficient. During the stratified period empirical formulas based on Kent and Pritchard's (1959) and Jassby and Powell's (1975) formulations were used in the epilimnion and upper hypolimnion, respectively. Eddy diffusion was assumed constant in the remaining hypolimnion. During nonstratified periods Kent and Pritchard's (1959) formulation was used throughout the water column. Daily-averaged model-calculated eddy diffusivities for the entire 14-year period were generated and tabulated.

Thermal simulations agreed well with observed temperature data for 13 of the 14 years; the 1967 meteorological data were suspect. Linear regression of simulated and observed total lake heat content over the 14 years also showed close agreement (r = 0.95). The examination of simulated diffusivities during the stratified period of 13 years revealed very little year-to-year variability. Model-calculated minimum diffusion coefficients, averaged by month and over the entire stratified period, were calculated and tabulated for 13 years of simulation.

The model was also used to simulate the hourly thermal structure of Lake Washington, with emphasis on diel stratification. Three sets of 2-day simulations were generated using 1972 hourly meteorological and temperature data. There was general agreement between simulated and observed hourly temperatures. Diel patterns were prevalent in both temperature and diffusivity for all three simulations.

On the basis of surface wind speeds and model-estimated Brunt-Vaisala frequencies, the time to mix particles from the surface down to 5 m ranged from near instantaneous just before dawn to more than 30 days in late afternoon on 15 July 1972. This phenomenon could have a great effect on the fate and transport of seston and thus on epilimnetic primary production and other light-sensitive processes.

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Appendix: Daily-averaged model-calculated diffusivities
           for Lake Washington, 1963-76.

1963 Daily-Averaged Eddy Diffusion Coefficients $(cm^2 s^{-1})$

Depth (m)	Day 7	14	21	28	35	42	49	56	63	70	77	84	91
2.5	2.149	2.149	2.149	2.149	1.312	1.640	0.942	2.149	2.142	2.149	2.149	1.582	2.149
5.0	2.149	2.149	2.149	2.149	0.755	0.251	0.288	1.986	1.624	2.149	2.149	0.681	2.149
7.5	2.149	2.149	2.149	2.149	0.688	0.215	0.031	0.268	0.862	2.149	2.149	0.378	2.149
10.0	2.149	2.149	2.149	2.149	0.821	0.298	0.040	0.171	0.434	1.198	2.149	0.135	2.087
12.5	2.149	2.149	2.149	2.149	1.015	0.391	0.054	0.235	0.123	0.585	2.149	0.092	1.280
15.0	2.149	2.149	2.149	2.149	1.204	0.496	0.072	0.305	0.093	0.502	1.976	0.073	0.697
17.5	2.149	2.149	2.149	2.149	1.372	0.617	.093	0.385	0.113	0.611	1.122	0.046	0.331
20.0	2.149	2.149	2.149	2.149	1.490	0.750	0.118	0.477	0.138	0.739	1.169	0.041	0.162
22.5	2.149	2.149	2.149	2.149	1.574	0.892	0.148	0.578	0.166	0.875	1.353	0.048	0.116
25.0	2.149	2.149	2.149	2.149	1.636	1.039	0.182	0.687	0.198	1.018	1.556	0.057	0.118
27.5	2.149	2.149	2.149	2.149	1.685	1.186	0.222	0.803	0.233	1.163	1.769	0.066	0.128
30.0	2.149	2.149	2.149	2.149	1.722	1.326	0.266	0.922	0.266	1.306	1.978	0.077	0.143
32.5	2.149	2.149	2.149	2.149	1.751	1.459	0.315	1.041	0.298	1.449	2.134	0.087	0.162
35.0	2.149	2.149	2.149	2.149	1.772	1.580	0.369	1.161	0.336	1.600	2.149	0.096	0.185
37.5	2.149	2.149	2.149	2.149	1.788	1.689	0.419	1.277	0.384	1.763	2.149	0.104	0.209
40.0	2.149	2.149	2.149	2.149	1.799	1.785	0.469	1.392	0.441	1.946	2.149	0.115	0.225
42.5	2.149	2.149	2.149	2.149	1.806	1.868	0.528	1.504	0.507	2.139	2.149	0.128	0.243
45.0	2.149	2.149	2.149	2.149	1.811	1.938	0.596	1.614	0.581	2.149	2.149	0.146	0.267
47.5	2.149	2.149	2.149	2.149	1.815	1.997	0.669	1.723	0.667	2.149	2.149	0.170	0.298
50.0	2.149	2.149	2.149	2.149	1.817	2.044	0.745	1.831	0.764	2.149	2.149	0.202	0.340
52.5	2.149	2.149	2.149	2.149	1.819	2.081	0.823	1.940	0.874	2.149	2.149	0.251	0.398
55.0	2.149	2.149	2.149	2.149	1.820	2.111	0.902	2.052	1.001	2.149	2.149	0.324	0.490
57.5	2.149	2.149	2.149	2.149	1.821	2.133	0.984	2.148	1.158	2.149	2.149	0.431	0.642
60.0	2.149	2.149	2.149	2.149	1.821	2.147	1.065	2.149	1.344	2.149	2.149	0.597	0.783
62.5	2.149	2.149	2.149	2.149	1.822	2.149	1.116	2.149	1.466	2.149	2.149	0.718	0.884

1963 Daily-Averaged Eddy Diffusion Coefficients $(cm^2 \ s^{-1})$

Depth (m)	Day 98	105	112	119	126	133	140	147	154	161	168	175	182
2.5	2.149	2.149	2.149	2.114	2.149	1.038	0.041	2.149	2.149	0.203	0.210	2.149	1.155
5.0	2.025	2.149	2.149	1.135	1.238	0.268	0.078	1.617	2.149	0.131	0.253	2.149	0.455
7.5	1.016	2.149	2.149	0.619	0.662	0.055	0.076	0.050	0.011	0.010	0.282	0.466	0.362
10.0	0.572	2.149	2.149	0.606	0.423	0.064	0.098	0.085	0.018	0.006	0.319	0.506	0.021
12.5	0.363	2.149	1.273	0.353	0.141	0.060	0.130	0.112	0.025	0.006	0.397	0.623	0.027
15.0	0.305	2.092	0.752	0.195	0.069	0.043	0.146	0.134	0.031	0.007	0.496	0.753	0.034
17.5	0.234	2.083	0.707	0.182	0.036	0.027	0.147	0.155	0.036	0.007	0.600	0.895	0.041
20.0	0.139	1.846	0.685	0.185	0.036	0.028	0.170	0.177	0.041	0.007	0.706	1.048	0.049
22.5	0.102	1.488	0.628	0.181	0.039	0.031	0.200	0.200	0.047	0.007	0.818	1.213	0.057
25.0	0.105	1.496	0.634	0.188	0.042	0.034	0.235	0.227	0.053	0.008	0.940	1.393	0.066
27.5	0.115	1.623	0.694	0.209	0.048	0.038	0.275	0.259	0.060	0.008	1.077	1.590	0.076
30.0	0.129	1.791	0.779	0.237	0.054	0.043	0.321	0.297	0.069	0.009	1.235	1.803	0.086
32.5	0.146	2.012	0.882	0.270	0.061	0.049	0.372	0.340	0.079	0.010	1.406	1.918	0.096
35.0	0.166	2.149	0.980	0.302	0.069	0.055	0.407,	0.388	0.091	0.011	1.556	1.933	0.106
37.5	0.187	2.149	1.046	0.329	0.079	0.063	0.410	0.445	0.104	0.012	1.712	1.939	0.117
40.0	0.203	2.149	1.123	0.359	0.087	0.069	0.410	0.500	0.112	0.013	1.895	1.948	0.129
42.5	0.221	2.149	1.223	0.397	0.094	0.075	0.410	0.500	0.112	0.014	2.099	1.957	0.143
45.0	0.245	2.149	1.349	0.448	0.104	0.084	0.410	0.500	0.112	0.015	2.105	1.969	0.158
47.5	0.276	2.149	1.516	0.523	0.118	0.096	0.410	0.500	0.112	0.016	2.105	1.982	0.178
50.0	0.322	2.149	1.757	0.636	0.138	0.114	0.410	0.500	0.112	0.017	2.105	1.997	0.203
52.5	0.397	2.149	2.131	0.790	0.169	0.147	0.410	0.500	0.112	0.018	2.105	2.016	0.205
55.0	0.530	2.149	2.149	1.015	0.222	0.217	0.410	0.500	0.112	0.021	2.105	2.041	0.205
57.5	0.736	2.149	2.149	1.369	0.324	0.351	0.410	0.500	0.112	0.025	2.105	2.077	0.205
60.0	0.966	2.149	2.149	1.860	0.498	0.546	0.410	0.500	0.112	0.037	2.105	2.127	0.205
62.5	1.119	2.149	2.149	2.149	0.597	0.653	0.410	0.500	0.112	0.047	2.105	2.149	0.205

1963 Daily-Averaged Eddy Diffusion Coefficients ($cm^2 s^{-1}$)

Depth (m)	Day 189	196	203	210	217	224	231	238	245	252	259	266	273
2.5	2.149	2.149	2.149	2.149	2.149	1.732	2.149	1.840	1.938	0.450	2.149	2.149	2.149
5.0	2.149	2.134	2.149	1.692	0.525	0.402	2.149	1.132	1.421	0.559	2.149	2.149	1.899
7.5	0.390	0.137	1.385	0.529	0.200	0.046	0.182	0.985	1.598	0.019	2.149	2.149	0.310
10.0	0.093	0.027	0.111	0.667	0.128	0.065	0.144	0.732	1.533	0.028	2.149	2.149	0.368
12.5	0.137	0.043	0.184	0.029	0.009	0.007	0.018	0.005	0.005	0.002	0.009	0.017	0.011
15.0	0.174	0.055	0.247	0.063	0.019	0.014	0.035	0.010	0.010	0.004	0.016	0.028	0.017
17.5	0.212	0.068	0.306	0.083	0.026	0.019	0.051	0.015	0.015	0.006	0.024	0.042	0.025
20.0	0.252	0.081	0.366	0.101	0.032	0.024	0.064	0.019	0.020	0.008	0.031	0.055	0.033
22.5	0.296	0.095	0.430	0.118	0.037	0.028	0.075	0.022	0.024	0.010	0.037	0.067	0.040
25.0	0.342	0.110	0.498	0.137	0.043	0.033	0.087	0.026	0.027	0.011	0.043	0.079	0.047
27.5	0.393	0.126	0.569	0.157	0.050	0.037	0.100	0.030	0.031	0.013	0.050	0.091	0.054
30.0	0.445	0.142	0.645	0.178	0.056	0.043	0.114	0.034	0.036	0.015	0.057	0.104	0.062
32.5	0.498	0.160	0.724	0.200	0.063	0.048	0.128	0.038	0.040	0.017	0.065	0.117	0.070
35.0	0.554	0.178	0.809	0.224	0.071	0.054	0.145	0.043	0.046	0.019	0.074	0.133	0.079
37.5	0.612	0.198	0.903	0.252	0.080	0.061	0.164	0.049	0.051	0.021	0.083	0.150	0.089
40.0	0.676	0.220	1.019	0.288	0.090	0.068	0.179	0.049	0.051	0.021	0.087	0.166	0.098
42.5	0.751	0.247	1.107	0.288	0.090	0.068	0.179	0.049	0.051	0.021	0.087	0.172	0.105
45.0	0.843	0.269	1.107	0.288	0.090	0.068	0.179	0.049	0.051	0.021	0.087	0.172	0.105
47.5	0.932	0.269	1.107	0.288	0.090	0.068	0.179	0.049	0.051	0.021	0.087	0.172	0.105
50.0	0.932	0.269	1.107	0.288	0.090	0.068	0.179	0.049	0.051	0.021	0.087	0.172	0.105
52.5	0.932	0.269	1.107	0.288	0.090	0.068	0.179	0.049	0.051	0.021	0.087	0.172	0.105
55.0	0.932	0.269	1.107	0.288	0.090	0.068	0.179	0.049	0.051	0.021	0.087	0.172	0.105
57.5	0.932	0.269	1.107	0.288	0.090	0.068	0.179	0.049	0.051	0.021	0.087	0.172	0.105
60.0	0.932	0.269	1.107	0.288	0.090	0.068	0.179	0.049	0.051	0.021	0.087	0.172	0.105
62.5	0.932	0.269	1.107	0.288	0.090	0.068	0.179	0.049	0.051	0.021	0.087	0.172	0.105

1963 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 280	287	294	301	308	315	322	329	336	343	350	357	364
2.5	2.149	1.086	2.149	2.149	2.149	2.149	2.149	2.149	1.932	2.149	2.149	0.409	1.761
5.0	2.149	0.982	2.149	2.149	2.149	2.149	2.149	2.149	1.932	2.149	2.149	0.472	1.761
7.5	2.149	1.172	2.149	2.149	2.149	2.149	2.149	2.149	1.932	2.149	2.149	0.514	1.761
10.0	2.149	1.047	2.149	2.149	2.149	2.149	2.149	2.149	1.932	2.149	2.149	0.537	1.761
12.5	0.005	0.003	0.570	2.149	2.149	2.149	2.149	2.149	1.932	2.149	2.149	0.567	1.761
15.0	0.007	0.004	0.206	2.149	2.149	2.149	2.149	2.149	1.932	2.149	2.149	0.602	1.761
17.5	0.010	0.006	0.302	0.141	2.103	2.149	2.149	2.149	1.932	2.149	2.149	0.637	1.761
20.0	0.014	0.008	0.398	0.145	0.351	2.149	2.149	2.149	1.932	2.149	2.149	0.667	1.761
22.5	0.017	0.010	0.493	0.207	0.450	0.017	2.149	2.149	1.932	2.149	2.149	0.692	1.761
25.0	0.020	0.011	0.586	0.250	0.535	0.020	2.149	2.149	1.932	2.149	2.149	0.711	1.761
27.5	0.023	0.013	0.680	0.282	0.604	0.022	0.368	2.149	1.932	2.149	2.149	0.724	1.761
30.0	0.026	0.015	0.778	0.312	0.667	0.025	0.432	1.972	1.932	2.149	2.149	0.733	1.761
32.5	0.030	0.017	0.884	0.342	0.729	0.027	0.476	0.086	1.932	2.149	2.149	0.739	1.751
35.0	0.034	0.019	0.996	0.372	0.793	0.030	0.521	0.068	1.932	2.149	2.149	0.742	1.739
37.5	0.038	0.022	1.114	0.404	0.860	0.032	0.571	0.076	0.020	2.149	2.149	0.744	1.746
40.0	0.042	0.024	1.236	0.439	0.933	0.035	0.627	0.084	0.015	2.149	2.149	0.745	1.751
42.5	0.046	0.026	1.362	0.478	1.017	0.039	0.698	0.094	0.016	2.149	2.149	0.746	1.755
45.0	0.048	0.029	1.491	0.527	1.122	0.044	0.810	0.112	0.019	2.149	2.149	0.746	1.757
47.5	0.048	0.030	1.630	0.590	1.257	0.050	1.006	0.137	0.023	0.180	2.149	0.747	1.759
50.0	0.048	0.030	1.792	0.670	1.439	0.061	1.127	0.163	0.028	0.257	2.149	0.747	1.760
52.5	0.048	0.030	1.997	0.767	1.745	0.082	1.284	0.204	0.037	0.369	2.149	0.747	1.760
55.0	0.048	0.030	2.057	0.871	2.137	0.116	1.523	0.293	0.060	0.639	2.149	0.747	1.761
57.5	0.048	0.030	2.057	1.065	2.149	0.189	2.027	0.500	0.122	1.008	2.149	0.747	1.761
60.0	0.048	0.030	2.057	1.534	2.149	0.345	2.149	0.885	0.254	1.300	2.149	0.747	1.761
62.5	0.048	0.030	2.057	1.893	2.149	0.458	2.149	1.165	0.364	1.488	2.149	0.747	1.761

1964 Daily-Averaged Eddy Diffusion Coefficients ($cm^2\ s^{-1}$)

Depth (m)	Day 7	14	21	28	35	42	49	56	63	70	77	84	91
2.5	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.127	2.149	2.149	2.149	2.149	1.377
5.0	2.149	2.149	2.149	2.149	2.149	1.983	2.149	1.760	2.149	2.149	2.103	1.859	0.621
7.5	2.149	2.149	2.149	2.149	2.149	1.472	2.149	0.990	2.149	2.149	1.656	1.068	0.811
10.0	2.149	2.149	2.149	2.149	2.149	1.114	2.149	0.514	2.149	2.149	1.538	0.433	0.924
12.5	2.149	2.149	2.149	2.149	2.149	0.911	2.149	0.377	2.149	2.149	1.763	0.337	0.881
15.0	2.149	2.149	2.149	2.149	2.149	0.733	2.149	0.302	2.149	2.149	1.982	0.380	0.844
17.5	2.149	2.149	2.149	2.149	2.149	0.626	2.149	0.287	2.149	2.149	2.112	0.458	0.786
20.0	2.149	2.149	2.149	2.149	2.149	0.513	2.044	0.279	2.149	2.149	2.149	0.553	0.758
22.5	2.149	2.149	2.149	2.149	2.149	0.468	1.744	0.296	2.149	2.149	2.149	0.652	0.783
25 .0	2.149	2.149	2.149	2.149	2.149	0.494	1.449	0.318	2.149	2.149	2.149	0.748	0.837
27.5	2.149	2.149	2.149	2.149	2.149	0.552	1.198	0.340	2.149	2.149	2.149	0.829	0.905
30.0	2.149	2.149	2.149	2.149	2.149	0.602	0.980	0.354	2.149	2.149	2.149	0.885	0.982
32.5	2.149	2.149	2.149	2.149	2.149	0.664	0.874	0.358	2.149	2.149	2.131	0.906	1.045
35 .o	2.149	2.149	2.149	2.149	2.149	0.743	0.846	0.355	2.149	2.149	1.732	0.881	1.096
37.5	2.149	2.149	2.149	2.149	2.149	0.837	0.858	0.350	2.149	2.149	1.368	0.807	1.125
40.0	2.149	2.149	2.149	2.149	2.149	0.940	0.896	0.351	2.149	2.149	1.107	0.689	1.130
42.5	2.149	2.149	2.149	2.149	2.149	1.049	0.953	0.360	2.149	2.149	0.866	0.553	1.117
45.0	2.149	2.149	2.149	2.149	2.149	1.161	1.032	0.378	2.149	2.149	0.750	0.448	1.096
47.5	2.149	2.149	2.149	2.149	2.149	1.274	1.130	0.409	2.149	2.149	0.717	0.403	1.081
50 .o	2.149	2.149	2.149	2.149	2.149	1.389	1.240	0.454	2.149	2.149	0.727	0.408	1.084
52.5	2.149	2.149	2.149	2.149	2.149	1.506	1.343	0.516	2.149	2.149	0.775	0.460	1.119
55 .o	2.149	2.149	2.149	2.149	2.149	1.628	1.469	0.602	2.149	2.149	0.879	0.583	1.204
57.5	2.149	2.149	2.149	2.149	2.149	1.754	1.637	0.719	2.149	2.149	1.078	0.797	1.359
60.0	2.149	2.149	2.149	2.149	2.149	1.880	1.845	0.881	2.149	2.149	1.354	1.082	1.593
62.5	2.149	2.149	2.149	2.149	2.149	1.958	1.985	0.999	2.149	2.149	1.532	1.276	1.785

1964 Daily-Averaged Eddy Diffusion Coefficients ($cm^2 s^{-1}$)

Depth (m)	Day 98	105	112	119	126	133	140	147	154	161	168	175	182
2.5	0.105	2.149	2.149	0.381	2.149	2.149	0.331	0.655	2.149	0.246	2.149	0.562	0.413
5.0	0.126	2.149	2.149	0.448	2.149	2.132	0.149	0.292	2.149	0.288	2.066	0.407	0.131
7.5	0.048	2.149	2.149	0.097	1.996	1.502	0.101	0.189	0.108	0.004	0.747	0.492	0.125
10.0	0.017	2.149	2.149	0.044	1.024	0.693	0.067	0.064	0.185	0.004	0.280	0.218	0.015
12.5	0.020	2.069	2.149	0.017	0.220	0.498	0.044	0.022	0.196	0.004	0.289	0.213	0.011
15.0	0.023	1.073	1.899	0.009	0.105	0.305	0.033	0.018	0.213	0.003	0.282	0.251	0.011
17.5	0.026	0.742	1.321	0.007	0.086	0.271	0.031	0.019	0.249	0.003	0.291	0.298	0.012
20.0	0.028	0.763	1.312	0.007	0.090	0.291	0.034	0.022	0.303	0.004	0.319	0.355	0.014
22.5	0.031	0.862	1.466	0.007	0.103	0.336	0.040	0.026	0.366	0.004	0.359	0.424	0.016
25.0	0.035	0.971	1.642	0.008	0.118	0.388	0.046	0.030	0.433	0.004	0.404	0.500	0.018
27.5	0.040	1.065	1.814	0.009	0.136	0.442	0.053	0.034	0.512	0.004	0.454	0.584	0.020
30.0	0.046	1.150	2.002	0.011	0.154	0.498	0.060	0.039	0.594	0.005	0.507	0.675	0.022
32.5	0.052	1.252	2.147	0.012	0.172	0.555	0.067	0.045	0.676	0.005	0.562	0.781	0.025
35.0	0.057	1.376	2.149	0.013	0.191	0.612	0.075	0.049	0.764	0.006	0.623	0.796	0.027
37.5	0.062	1.520	2.149	0.014	0.211	0.675	0.084	0.052	0.863	0.006	0.696	0.803	0.030
40.0	0.066	1.680	2.149	0.015	0.236	0.750	0.094	0.057	0.985	0.007	0.783	0.812	0.033
42.5	0.069	1.860	2.149	0.017	0.267	0.844	0.108	0.065	1.079	0.008	0.859	0.824	0.037
45.0	0.072	2.082	2.149	0.020	0.309	0.968	0.127	0.074	1.079	0.008	0.915	0.836	0.041
47.5	0.076	2.149	2.149	0.024	0.366	1.137	0.155	0.088	1.079	0.009	0.975	0.850	0.048
50.0	0.083	2.149	2.149	0.029	0.447	1.373	0.200	0.107	1.079	0.009	1.068	0.870	0.060
52.5	0.097	2.149	2.149	0.034	0.567	1.715	0.269	0.137	1.079	0.011	1.215	0.900	0.073
55.0	0.115	2.149	2.149	0.039	0.688	2.149	0.377	0.191	1.079	0.012	1.482	0.951	0.088
57.5	0.143	2.149	2.149	0.047	0.808	2.149	0.561	0.289	1.079	0.015	2.039	1.038	0.116
60.0	0.195	2.149	2.149	0.058	0.991	2.149	0.837	0.448	1.079	0.019	2.149	1.198	0.183
62.5	0.237	2.149	2.149	0.069	1.135	2.149	1.029	0.572	1.079	0.023	2.149	1.365	0.241

1964 Daily-Averaged Eddy Diffusion Coefficients $(cm^2 s^{-1})$

Depth (m)	Day 189	196	203	210	217	224	231	238	245	252	259	266	273
2.5	0.044	1.761	2.149	0.578	2.149	1.166	2.149	2.061	2.149	2.010	2.149	2.149	2.149
5.0	0.055	1.297	2.149	0.052	2.022	0.432	1.884	1.727	2.149	1.273	2.149	2.149	2.149
7.5	0.047	0.252	0.091	0.016	0.107	0.053	0.232	0.667	2.149	1.238	2.072	1.975	2.149
10.0	0.032	0.278	0.102	0.021	0.051	0.013	0.030	0.072	2.149	1.207	1.190	1.531	2.149
12.5	0.034	0.308	0.122	0.025	0.060	0.018	0.046	0.115	0.030	0.006	0.048	0.014	0.469
15.0	0.043	0.359	0.146	0.029	0.070	0.023	0.059	0.148	0.049	0.008	0.069	0.013	0.269
17.5	0.052	0.432	0.175	0.035	0.083	0.027	0.071	0.180	0.065	0.011	0.092	0.016	0.336
20.0	0.064	0.519	0.210	0.042	0.097	0.032	0.084	0.214	0.078	0.014	0.113	**0.019**	**0.394**
22.5	0.076	0.627	0.250	0.050	0.114	0.038	0.100	0.252	0.092	0.016	0.134	0.021	0.442
25.0	0.090	0.660	0.292	0.058	0.132	0.044	0.116	0.294	0.108	0.019	0.157	0.023	0.488
27.5	0.106	0.708	0.336	0.068	0.152	0.051	0.134	0.339	0.124	0.022	0.181	0.026	0.535
30.0	0.124	0.761	0.387	0.078	0.174	0.059	0.154	0.389	0.142	0.025	0.207	0.028	0.588
32.5	0.143	0.819	0.443	0.089	0.198	0.067	0.176	0.444	0.163	0.029	0.237	0.031	0.647
35.0	0.160	0.883	0.506	0.101	0.225	0.077	0.200	0.505	0.185	0.033	0.269	0.034	0.714
37.5	0.180	0.956	0.576	0.115	0.255	0.087	0.226	0.573	0.211	0.037	0.305	0.038	0.789
40.0	0.202	1.038	0.657	0.130	0.288	0.098	0.257	0.657	0.240	0.042	0.345	0.043	0.873
42.5	0.225	1.113	0.735	0.148	0.323	0.111	0.295	0.719	0.270	0.047	0.388	0.048	0.968
45.0	0.235	1.157	0.811	0.155	0.360	0.125	0.301	0.719	0.296	0.053	0.435	0.054	1.077
47.5	0.236	1.160	0.903	0.155	0.401	0.125	0.301	0.719	0.299	0.058	0.483	0.060	1.197
50.0	0.237	1.165	0.910	0.155	0.436	0.125	0.301	0.719	0.299	0.060	0.483	0.067	1.324
52.5	0.240	1.172	0.910	0.155	0.441	0.125	0.301	0.719	0.299	0.060	0.483	0.072	1.446
55.0	0.243	1.182	0.910	0.155	0.446	0.125	0.301	0.719	0.299	0.060	0.483	0.078	1.644
57.5	0.252	1.196	0.910	0.155	0.453	0.125	0.301	0.719	0.299	0.060	0.483	0.090	2.085
60.0	0.274	1.218	0.910	0.155	0.465	0.125	0.301	0.719	0.299	0.060	0.483	0.113	2.149
62.5	0.293	1.237	0.910	0.155	0.476	0.125	0.301	0.719	0.299	0.060	0.483	0.132	2.149

1964 Daily-Averaged Eddy Diffusion Coefficients ($cm^2\ s^{-1}$)

Depth (m)	Day 280	287	294	301	308	315	322	329	336	343	350	357	364
2.5	1.473	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
5.0	0.443	1.779	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
7.5	0.386	0.983	1.828	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
10.0	0.434	0.737	1.206	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
12.5	0.412	0.677	0.985	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
15.0	0.307	0.660	0.657	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
17.5	0.005	0.027	0.011	0.083	0.105	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
20.0	0.009	0.043	0.014	0.068	0.021	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
22.5	0.011	0.055	0.019	0.091	0.028	0.083	2.149	2.149	2.149	2.149	2.149	2.149	2.149
25.0	0.014	0.066	0.022	0.105	0.032	0.090	2.149	2.149	2.149	2.149	2.149	2.149	2.149
27.5	0.016	0.076	0.024	0.118	0.036	0.100	0.077	2.149	2.149	2.149	2.149	2.149	2.149
30.0	0.018	0.088	0.027	0.131	0.040	0.112	0.054	2.149	2.149	2.149	2.149	2.149	2.149
32.5	0.021	0.100	0.030	0.145	0.045	0.124	0.060	0.146	2.149	2.149	2.149	2.149	2.149
35.0	0.023	0.114	0.033	0.161	0.050	0.138	0.066	0.079	2.149	2.149	2.149	2.149	2.149
37.5	0.027	0.129	0.037	0.179	0.055	0.154	0.074	0.088	2.149	2.149	2.149	2.149	2.149
40.0	0.030	0.146	0.041	0.200	0.062	0.172	0.083	0.099	2.149	2.149	2.149	2.149	2.149
42.5	0.034	0.165	0.046	0.226	0.070	0.194	0.094	0.112	2.149	2.149	2.149	2.149	2.149
45 .o	0.038	0.187	0.053	0.259	0.081	0.224	0.109	0.131	2.043	2.149	2.149	2.149	2.149
47.5	0.044	0.213	0.062	0.305	0.096	0.267	0.132	0.158	0.122	2.149	2.149	2.149	2.149
50 .o	0.051	0.250	0.076	0.370	0.117	0.330	0.169	0.206	0.247	2.149	2.149	2.149	2.149
52.5	0.054	0.266	0.089	0.437	0.145	0.439	0.247	0.317	0.291	2.149	2.149	2.149	2.149
55.0	0.054	0.266	0.103	0.525	0.204	0.687	0.414	0.564	0.353	2.149	2.149	2.149	2.149
57.5	0.054	0.266	0.131	0.758	0.383	1.052	0.695	0.940	0.482	0.625	2.149	2.149	2.149
60.0	0.054	0.266	0.203	1.382	0.692	1.546	1.074	1.370	0.790	1.462	2.149	2.149	2.149
62.5	0.054	0.266	0.269	1.830	0.920	1.877	1.306	1.593	1.043	1.978	2.149	2.149	2.149

1965 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 7	14	21	28	35	42	49	56	63	70	77	84	91
2.5	2.149	2.149	2.149	2.149	2.089	2.149	0.438	1.578	0.106	2.149	2.149	2.149	2.149
5.0	2.149	2.093	2.149	1.803	2.031	2.149	0.231	1.265	0.082	1.343	2.149	2.149	2.149
7.5	2.149	2.046	2.149	1.584	2.010	2.149	0.250	1.163	0.083	0.377	2.149	2.130	1.453
10.0	2.149	2.088	2.149	1.612	2.020	2.149	0.272	1.136	0.092	0.505	1.322	1.784	0.846
12.5	2.149	2.129	2.149	1.764	2.040	2.149	0.335	1.161	0.102	0.662	0.246	0.292	0.750
15.0	2.149	2.149	2.149	1.934	2.061	2.149	0.411	1.166	0.108	0.819	0.270	0.139	0.483
17.5	2.149	2.149	2.149	2.059	2.077	2.149	0.516	1.024	0.105	0.967	0.334	0.165	0.281
20.0	2.149	2.149	2.149	2.128	2.089	2.149	0.623	0.579	0.095	1.097	0.403	0.201	0.315
22.5	2.149	2.149	2.149	2.149	2.094	2.149	0.725	0.381	0.088	1.209	0.475	0.240	0.372
25.0	2.149	2.149	2.149	2.149	2.072	2.149	0.819	0.411	0.089	1.311	0.546	0.280	0.433
27.5	2.149	2.149	2.149	2.149	1.983	2.149	0.901	0.481	0.095	1.412	0.612	0.320	0.495
30.0	2.149	2.149	2.149	2.149	1.723	2.149	0.968	0.563	0.103	1.520	0.678	0.363	0.562
32.5	2.149	2.149	2.149	2.149	1.070	2.149	1.020	0.653	0.113	1.634	0.753	0.410	0.634
35.0	2.149	2.149	2.149	2.149	0.901	2.149	1.059	0.742	0.126	1.756	0.843	0.460	0.715
37.5	2.149	2.149	2.149	2.149	1.019	2.149	1.087	0.830	0.142	1.886	0.944	0.516	0.799
40.0	2.149	2.149	2.149	2.149	1.164	2.149	1.106	0.927	0.162	2.027	1.020	0.580	0.868
42.5	2.149	2.149	2.149	2.149	1.306	2.149	1.118	1.034	0.186	2.144	1.098	0.648	0.938
45.0	2.149	2.149	2.149	2.149	1.439	2.149	1.126	1.148	0.211	2.149	1.198	0.707	1.025
47.5	2.149	2.149	2.149	2.149	1.561	2.149	1.131	1.262	0.238	2.149	1.317	0.774	1.138
50.0	2.149	2.149	2.149	2.149	1.670	2.149	1.134	1.372	0.270	2.149	1.459	0.862	1.281
52.5	2.149	2.149	2.149	2.149	1.765	2.149	1.136	1.475	0.311	2.149	1.622	0.982	1.472
55.0	2.149	2.149	2.149	2.149	1.846	2.149	1.137	1.569	0.366	2.149	1.815	1.147	1.731
57.5	2.149	2.149	2.149	2.149	1.915	2.149	1.138	1.654	0.443	2.149	2.049	1.373	2.072
60.0	2.149	2.149	2.149	2.149	1.973	2.149	1.139	1.727	0.545	2.149	2.149	1.653	2.149
62.5	2,149	2.149	2.149	2.149	2.007	2.149	1.139	1.770	0.615	2.149	2.149	1.837	2.149

1965 Daily-Averaged Eddy Diffusion Coefficients ($cm^2 s^{-1}$)

Depth (m)	Day 98	105	112	119	126	133	140	147	154	161	168	175	182
2.5	0.380	0.420	1.751	2.149	2.139	2.149	1.518	0.175	2.091	1.435	2.149	2.149	1.107
5.0	0.140	0.489	0.705	0.528	1.544	0.262	0.694	0.054	0.286	1.054	1.909	1.977	0.176
7.5	0.143	0.053	0.331	0.318	1.198	0.159	0.209	0.025	0.152	0.024	0.208	0.132	0.157
10.0	0.090	0.015	0.077	0.248	0.623	0.196	0.101	0.011	0.091	0.031	0.138	0.035	0.023
12.5	0.027	0.011	0.055	0.206	0.242	0.160	0.057	0.009	0.086	0.039	0.140	0.053	0.037
15.0	0.020	0.010	0.055	0.200	0.041	0.083	0.037	0.007	0.072	0.046	0.146	0.068	0.049
17.5	0.016	0.009	0.055	0.212	0.043	0.075	0.036	0.007	0.076	0.056	0.156	0.083	0.060
20.0	0.017	0.010	0.064	0.238	0.050	0.084	0.041	0.008	0.088	0.067	0.172	0.099	0.072
22.5	0.020	0.012	0.076	0.289	0.058	0.098	0.047	0.009	0.103	0.081	0.193	0.119	0.086
25.0	0.024	0.014	0.089	0.309	0.067	0.112	0.055	0.010	0.120	0.096	0.217	0.139	0.102
27.5	0.027	0.016	0.102	0.335	0.076	0.128	0.063	0.012	0.138	0.112	0.243	0.163	0.118
30.0	0.031	0.018	0.117	0.380	0.087	0.148	0.073	0.013	0.157	0.129	0.270	0.188	0.136
32.5	0.036	0.021	0.133	0.417	0.096	0.164	0.078	0.014	0.170	0.148	0.300	0.215	0.156
35.0	0.041	0.023	0.150	0.476	0.103	0.171	0.082	0.015	0.181	0.170	0.333	0.245	0.178
37.5	0.046	0.026	0.169	0.528	0.111	0.181	0.088	0.016	0.195	0.193	0.368	0.278	0.204
40.0	0.051	0.029	0.192	0.592	0.122	0.196	0.096	0.018	0.213	0.214	0.408	0.316	0.229
42.5	0.058	0.033	0.219	0.659	0.136	0.218	0.106	0.020	0.237	0.234	0.453	0.348	0.229
45.0	0.067	0.039	0.254	0.742	0.154	0.246	0.119	0.022	0.267	0.234	0.502	0.348	0.229
47.5	0.079	0.045	0.299	0.847	0.178	0.283	0.136	0.025	0.311	0.234	0.521	0.348	0.229
50.0	0.092	0.055	0.358	0.981	0.211	0.334	0.160	0.030	0.382	0.234	0.549	0.348	0.229
52.5	0.105	0.070	0.443	1.153	0.262	0.408	0.194	0.039	0.523	0.234	0.599	0.348	0.229
55.0	0.125	0.093	0.541	1.382	0.339	0.521	0.249	0.058	0.784	0.234	0.683	0.348	0.229
57.5	0.159	0.112	0.634	1.697	0.443	0.696	0.358	0.100	1.173	0.234	0.831	0.348	0.229
60.0	0.219	0.138	0.770	2.103	0.535	0.984	0.588	0.176	1.640	0.234	1.131	0.348	0.229
62.5	0.271	0.163	0.884	2.149	0.606	1.149	0.769	0.240	1.940	0.234	1.366	0.348	0.229

1965 Daily-Averaged Eddy Diffusion Coefficients $(cm^2\ s^{-1})$

Depth (m)	Day 189	196	203	210	217	224	231	238	245	252	259	266	273
2.5	2.149	1.027	2.149	0.693	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
5.0	2.149	0.120	2.070	0.292	2.149	2.149	1.938	2.149	2.149	2.149	2.149	2.140	1.696
7.5	0.106	0.081	1.814	0.042	2.149	1.768	1.081	2.149	2.149	2.149	2.149	2.022	1.721
10.0	0.027	0.009	0.021	0.006	1.951	1.386	0.987	2.149	2.149	2.149	2.149	1.952	1.613
12.5	0.046	0.015	0.036	0.011	0.009	0.060	0.039	0.026	0.015	0.007	0.066	0.027	0.025
15.0	0.063	0.021	0.051	0.015	0.023	0.137	0.082	0.052	0.026	0.011	0.082	0.030	0.012
17.5	0.079	0.026	0.065	0.020	0.031	0.194	0.122	0.078	0.039	0.016	0.118	0.042	0.017
20.0	0.095	0.031	0.079	0.024	0.038	0.242	0.155	0.101	0.051	0.021	0.156	0.055	0.022
22.5	0.113	0.037	0.094	0.029	0.045	0.290	0.187	0.123	0.062	0.026	0.194	0.069	0.028
25.0	0.133	0.044	0.111	0.034	0.053	0.341	0.221	0.146	0.074	0.031	0.233	0.083	0.033
27.5	0.154	0.051	0.129	0.039	0.062	0.398	0.257	0.170	0.087	0.037	0.273	0.097	0.039
30.0	0.178	0.059	0.149	0.046	0.072	0.462	0.299	0.198	0.101	0.042	0.316	0.112	0.045
32.5	0.204	0.068	0.172	0.053	0.084	0.537	0.347	0.229	0.116	0.049	0.362	0.128	0.052
35.0	0.234	0.078	0.201	0.061	0.093	0.603	0.389	0.261	0.131	0.055	0.409	0.145	0.058
37.5	0.272	0.086	0.208	0.061	0.093	0.603	0.389	0.262	0.146	0.061	0.456	0.162	0.065
40.0	0.274	0.086	0.208	0.061	0.093	0.603	0.389	0.262	0.150	0.067	0.502	0.179	0.072
42.5	0.274	0.086	0.208	0.061	0.093	0.603	0.389	0.262	0.150	0.067	0.548	0.196	0.079
45.0	0.274	0.086	0.208	0.061	0.093	0.603	0.389	0.262	0.150	0.067	0.595	0.214	0.087
47.5	0.274	0.086	0.208	0.061	0.093	0.603	0.389	0.262	0.150	0.067	0.644	0.235	0.097
50.0	0.274	0.086	0.208	0.061	0.093	0.603	0.389	0.262	0.150	0.067	0.661	0.261	0.108
52.5	0.274	0.086	0.208	0.061	0.093	0.603	0.389	0.262	0.150	0.067	0.661	0.265	0.119
55.0	0.274	0.086	0.208	0.061	0.093	0.603	0.389	0.262	0.150	0.067	0.661	0.265	0.123
57.5	0.274	0.086	0.208	0.061	0.093	0.603	0.389	0.262	0.150	0.067	0.661	0.265	0.123
60.0	0.274	0.086	0.208	0.061	0.093	0.603	0.389	0.262	0.150	0.067	0.661	0.265	0.123
62.5	0.274	0.086	0.208	0.061	0.093	0.603	0.389	0.262	0.150	0.067	0.661	0.265	0.123

1965 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m) Day	280	287	294	301	308	315	322	329	336	343	350	357	364
2.5	1.067	2.149	0.726	2.149	2.149	2.149	2.149	2.149	2.149	2.146	2.149	2.149	2.149
5.0	0.637	2.149	0.425	2.149	2.149	2.149	2.149	2.149	2.149	2.146	2.149	2.149	2.149
7.5	0.464	2.149	0.485	2.088	2.149	2.149	2.149	2.149	2.149	2.146	2.149	2.149	2.149
10.0	0.312	2.149	0.659	1.384	2.149	2.149	2.149	2.149	2.149	2.146	2.149	2.149	2.149
12.5	0.036	2.149	0.754	1.225	2.149	2.149	2.149	2.149	2.149	2.146	2.149	2.149	2.149
15.0	0.004	2.149	0.474	1.048	2.149	2.149	2.149	2.149	2.149	2.146	2.149	2.149	2.149
17.5	0.006	0.089	0.004	0.063	0.263	0.041	0.127	2.149	2.149	2.146	2.149	2.149	2.149
20.0	0.008	0.188	0.005	0.090	0.300	0.025	0.031	2.149	2.149	2.146	2.149	2.149	2.149
22.5	0.011	0.245	0.007	0.130	0.426	0.035	0.043	0.123	2.149	2.146	2.149	2.149	2.149
25.0	0.013	0.297	0.008	0.161	0.520	0.043	0.053	0.078	2.149	2.146	2.149	2.149	2.149
27.5	0.015	0.351	0.009	0.187	0.599	0.050	0.061	0.090	0.112	0.020	2.149	2.149	2.149
30.0	0.018	0.407	0.010	0.211	0.671	0.056	0.069	0.102	0.157	0.014	2.149	2.149	2.149
32.5	0.020	0.465	0.011	0.235	0.743	0.062	0.077	0.113	0.176	0.015	0.204	2.149	2.149
35.0	0.023	0.525	0.012	0.258	0.815	0.069	0.085	0.126	0.195	0.017	0.051	2.149	2.149
37.5	0.025	0.589	0.013	0.283	0.890	0.076	0.094	0.139	0.216	0.018	0.057	2.149	2.149
40.0	0.028	0.657	0.014	0.311	0.975	0.084	0.104	0.155	0.241	0.021	0.064	2.149	2.149
42.5	0.031	0.733	0.016	0.344	1.075	0.094	0.116	0.176	0.275	0.023	0.073	2.149	2.149
45.0	0.035	0.827	0.018	0.384	1.195	0.106	0.132	0.208	0.324	0.028	0.086	2.149	2.149
47.5	0.039	0.892	0.020	0.432	1.343	0.122	0.152	0.248	0.387	0.033	0.105	0.232	2.149
50.0	0.043	0.892	0.022	0.489	1.536	0.147	0.187	0.293	0.476	0.043	0.137	0.243	2.149
52.5	0.043	0.892	0.025	0.560	1.879	0.198	0.251	0.367	0.638	0.062	0.207	0.315	2.149
55.0	0.043	0.892	0.027	0.621	2.149	0.248	0.350	0.486	0.936	0.104	0.361	0.423	2.149
57.5	0.043	0.892	0.031	0.754	2.149	0.328	0.587	0.670	1.385	0.178	0.632	0.512	2.149
60.0	0.043	0.892	0.040	1.105	2.149	0.513	0.993	1.060	1.826	0.272	1.020	0.689	2.149
62.5	0.043	0.892	0.047	1.393	2.149	0.688	1.285	1.330	2.064	0.332	1.282	0.822	2.149

1966 Daily-Averaged Eddy Diffusion Coefficients $(cm^2\ s^{-1})$

Depth (m)	Day 7	14	21	28	35	42	49	56	63	70	77	84	91
2.5	1.365	2.149	2.149	1.439	2.149	2.149	2.149	1.979	2.149	2.149	2.149	0.613	2.149
5.0	1.136	2.149	2.149	1.008	2.149	2.149	2.125	0.880	2.149	1.899	2.149	0.195	1.407
7.5	1.105	2.149	2.149	0.884	2.149	2.149	2.073	0.290	2.149	1.537	2.149	0.109	0.819
10.0	1.131	2.149	2.149	0.896	2.149	2.149	2.101	0.219	2.149	1.092	2.149	0.137	1.125
12.5	1.206	2.149	2.149	1.024	2.149	2.149	2.135	0.264	2.149	0.947	2.149	0.186	1.477
15.0	1.311	2.149	2.149	1.184	2.149	2.149	2.149	0.326	2.149	0.918	2.149	0.247	1.660
17.5	1.422	2.149	2.149	1.369	2.149	2.149	2.149	0.397	2.149	0.928	2.149	0.322	1.969
20.0	1.514	2.149	2.149	1.523	2.149	2.149	2.137	0.478	2.149	0.969	2.149	0.407	2.132
22.5	1.580	2.149	2.149	1.639	2.149	2.149	2.145	0.568	2.149	1.038	2.149	0.494	2.149
25.0	1.622	2.149	2.149	1.718	2.149	2.149	2.149	0.664	2.149	1.102	2.149	0.568	2.149
27.5	1.647	2.149	2.149	1.769	2.149	2.149	2.149	0.764	2.149	1.179	2.149	0.606	2.149
30.0	1.660	2.149	2.149	1.799	2.149	2.149	2.149	0.865	2.149	1.261	2.149	**0.616**	2.149
32.5	1.667	2.149	2.149	1.817	2.149	2.149	2.149	0.963	2.149	1.358	2.149	0.582	2.149
35 .o	1.670	2.149	2.149	1.827	2.149	2.149	2.149	1.057	2.149	1.469	2.149	0.484	2.149
37.5	1.672	2.149	2.149	1.833	2.149	2.149	2.149	1.148	2.149	1.597	2.149	0.357	2.149
40 .o	1.673	2.149	2.149	1.835	2.149	2.149	2.149	1.239	2.149	1.736	2.149	0.247	2.149
42.5	1.673	2.149	2.149	1.836	2.149	2.149	2.149	1.332	2.149	1.884	2.149	0.182	2.149
45 .o	1.673	2.149	2.149	1.837	2.149	2.149	2.149	1.424	2.149	2.032	2.149	0.166	2.149
47.5	1.673	2.149	2.149	1.838	2.149	2.149	2.149	1.516	2.149	2.139	2.149	0.178	2.149
50.0	1.673	2.149	2.149	1.838	2.149	2.149	2.149	1.607	2.149	2.149	2.149	0.204	2.149
52.5	1.673	2.149	2.149	1.838	2.149	2.149	2.149	1.695	2.149	2.149	2.149	0.238	2.149
55.0	1.673	2.149	2.149	1.838	2.149	2.149	2.149	1.781	2.149	2.149	2.149	0.288	2.149
57.5	1.673	2.149	2.149	1.838	2.149	2.149	2.149	1.865	2.149	2.149	2.149	0.371	2.149
60.0	1.673	2.149	2.149	1.838	2.149	2.149	2.149	1.944	2.149	2.149	2.149	0.495	2.149
62.5	1.673	2.149	2.149	1.838	2.149	2.149	2.149	1.992	2.149	2.149	2.149	0.590	2.149

1966 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 98	105	112	119	126	133	140	147	154	161	168	175	182
2.5	2.149	2.149	2.149	2.136	2.112	2.149	2.033	2.149	2.149	2.149	2.149	2.149	2.149
5.0	0.873	1.203	1.610	0.823	1.573	2.149	0.708	2.149	2.149	1.540	0.259	1.955	2.149
7.5	0.226	0.799	0.826	0.407	0.394	0.414	0.607	0.743	2.149	0.789	0.169	0.131	0.327
10.0	0.242	0.596	0.252	0.149	0.562	0.398	0.597	0.360	2.149	0.627	0.102	0.077	0.079
12.5	0.329	0.196	0.090	0.065	0.591	0.475	0.163	0.235	0.029	0.313	0.071	0.065	0.103
15.0	0.437	0.155	0.079	0.063	0.703	0.551	0.150	0.233	0.046	0.289	0.066	0.065	0.126
17.5	0.546	0.191	0.097	0.079	0.896	0.646	0.175	0.234	0.056	0.331	0.073	0.073	0.156
20.0	0.623	0.228	0.116	0.095	1.130	0.765	0.203	0.273	0.069	0.392	0.089	0.088	0.195
22.5	0.743	0.266	0.137	0.112	1.390	0.902	0.234	0.319	0.084	0.474	0.095	0.096	0.231
25.0	0.868	0.308	0.159	0.130	1.529	1.052	0.267	0.368	0.101	0.494	0.101	0.103	0.268
27.5	0.992	0.357	0.184	0.150	1.650	1.218	0.304	0.419	0.120	0.538	0.111	0.113	0.309
30.0	1.114	0.413	0.211	0.173	1.809	1.420	0.343	0.473	0.139	0.586	0.118	0.122	0.353
32.5	1.229	0.473	0.240	0.196	2.003	1.581	0.381	0.528	0.160	0.655	0.132	0.135	0.403
35.0	1.330	0.522	0.270	0.220	2.105	1.605	0.416.	0.583	0.183	0.726	0.147	0.151	0.459
37.5	1.412	0.559	0.302	0.248	2.105	1.643	0.452	0.640	0.207	0.813	0.166	0.170	0.523
40.0	1.477	0.609	0.338	0.278	2.105	1.671	0.494	0.701	0.233	0.908	0.187	0.192	0.596
42.5	1.526	0.675	0.379	0.313	2.105	1.711	0.546	0.771	0.264	1.013	0.214	0.220	0.684
45.0	1.569	0.756	0.425	0.354	2.105	1.757	0.596	0.853	0.286	1.137	0.245	0.258	0.790
47.5	1.621	0.855	0.476	0.407	2.105	1.809	0.648	0.960	0.286	1.285	0.284	0.294	0.793
50.0	1.699	0.971	0.537	0.483	2.105	1.880	0.719	1.110	0.286	1.478	0.336	0.353	0.793
52.5	1.831	1.114	0.624	0.599	2.105	1.972	0.830	1.334	0.286	1.751	0.407	0.452	0.793
55.0	2.045	1.301	0.758	0.772	2.105	2.106	1.026	1.689	0.286	2.135	0.511	0.631	0.793
57.5	2.149	1.564	0.944	1.020	2.105	2.149	1.359	2.149	0.286	2.149	0.671	0.957	0.793
60.0	2.149	1.904	1.204	1.332	2.105	2.149	1.839	2.149	0.286	2.149	0.944	1.440	0.793
62.5	2.149	2.125	1.377	1.533	2.105	2.149	2.132	2.149	0.286	2.149	1.158	1.775	0.793

1966 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 189	196	203	210	217	224	231	238	245	252	259	266	273
2.5	0.666	0.537	1.678	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
5.0	0.246	0.607	0.397	1.125	2.072	1.580	2.079	2.149	2.084	2.149	2.149	2.149	2.149
7.5	0.320	0.015	0.065	0.290	0.113	0.679	1.257	2.149	1.062	2.149	2.149	1.300	2.149
10.0	0.429	0.016	0.059	0.170	0.063	0.036	0.966	2.149	0.695	2.149	2.149	0.911	1.554
12.5	0.013	0.003	0.010	0.034	0.015	0.010	0.015	0.033	0.009	0.051	0.010	0.037	0.025
15.0	0.021	0.005	0.016	0.058	0.026	0.017	0.029	0.058	0.014	0.079	0.013	0.046	0.032
17.5	0.028	0.006	0.023	0.080	0.036	0.024	0.042	0.086	0.020	0.114	0.018	0.063	0.043
20.0	0.034	0.008	0.028	0.101	0.046	0.030	0.054	0.112	0.027	0.150	0.024	0.083	0.056
22.5	0.041	0.009	0.034	0.121	0.055	0.037	0.066	0.137	0.033	0.186	0.030	0.103	0.070
25.0	0.048	0.011	0.039	0.142	0.065	0.043	0.078	0.162	0.039	0.222	0.036	0.124	0.084
27.5	0.055	0.013	0.046	0.164	0.075	0.050	0.091	0.188	0.046	0.260	0.043	0.146	0.099
30.0	0.063	0.014	0.052	0.188	0.086	0.058	0.105	0.217	0.053	0.301	0.049	0.169	0.115
32.5	0.072	0.016	0.059	0.215	0.099	0.066	0.120	0.250	0.061	0.345	0.057	0.194	0.132
35.0	0.082	0.019	0.068	0.246	0.113	0.076	0.139	0.289	0.069	0.395	0.065	0.221	0.151
37.5	0.093	0.021	0.078	0.282	0.130	0.087	0.151	0.327	0.079	0.449	0.073	0.251	0.170
40.0	0.107	0.025	0.090	0.327	0.149	0.096	0.151	0.331	0.088	0.508	0.082	0.281	0.191
42.5	0.125	0.028	0.098	0.336	0.149	0.096	0.151	0.331	0.089	0.511	0.091	0.312	0.214
45.0	0.126	0.028	0.098	0.336	0.149	0.096	0.151	0.331	0.089	0.511	0.099	0.345	0.241
47.5	0.126	0.028	0.098	0.336	0.149	0.096	0.151	0.331	0.089	0.511	0.103	0.370	0.245
50.0	0.126	0.028	0.098	0.336	0.149	0.096	0.151	0.331	0.089	0.511	0.103	0.370	0.245
52.5	0.126	0.028	0.098	0.336	0.149	0.096	0.151	0.331	0.089	0.511	0.103	0.370	0.245
55.0	0.126	0.028	0.098	0.336	0.149	0.096	0.151	0.331	0.089	0.511	0.103	0.370	0.245
57.5	0.126	0.028	0.098	0.336	0.149	0.096	0.151	0.331	0.089	0.511	0.103	0.370	0.245
60.0	0.126	0.028	0.098	0.336	0.149	0.096	0.151	0.331	0.089	0.511	0.103	0.370	0.245
62.5	0.126	0.028	0.098	0.336	0.149	0.096	0.151	0.331	0.089	0.511	0.103	0.370	0.245

1966 Daily-Averaged Eddy Diffusion Coefficients $(cm^2 s^{-1})$

Depth (m)	Day 280	287	294	301	308	315	322	329	336	343	350	357	364
2.5	2.149	2.149	2.149	1.310	2.149	2.149	2.043	2.149	2.149	2.149	1.897	2.149	2.149
5.0	2.149	2.149	2.149	0.993	2.149	2.149	1.748	2.149	2.149	2.149	1.814	2.149	2.149
7.5	2.149	2.149	2.149	1.116	2.149	2.149	1.746	2.149	2.149	2.149	1.816	2.149	2.149
10.0	2.149	2.149	2.149	1.104	2.149	2.149	1.883	2.149	2.149	2.149	1.860	2.149	2.149
12.5	0.156	2.149	2.149	0.077	2.149	2.149	2.009	2.149	2.149	2.149	1.902	2.149	2.149
15.0	0.070	2.149	2.149	0.052	2.149	2.149	2.065	2.149	2.149	2.149	1.931	2.149	2.149
17.5	0.094	0.008	0.505	0.025	0.956	2.149	2.010	2.149	2.149	2.149	1.948	2.149	2.149
20.0	0.122	0.014	0.243	0.005	0.726	2.149	1.681	2.149	2.149	2.149	1.960	2.149	2.149
22.5	0.152	0.018	0.316	0.005	0.015	0.022	0.635	2.149	2.149	2.149	1.967	2.149	2.149
25.0	0.185	0.021	0.373	0.006	0.022	0.021	0.013	2.149	2.149	2.149	1.970	2.149	2.149
27.5	0.218	0.025	0.428	0.007	0.025	0.024	0.014	0.247	0.972	2.149	1.972	2.149	2.149
30.0	0.252	0.029	0.482	0.008	0.028	0.027	0.016	0.269	0.073	2.149	1.974	2.149	2.149
32.5	0.290	0.034	0.538	0.008	0.031	0.030	0.018	0.302	0.080	2.149	1.974	2.149	2.149
35.0	0.330	0.038	0.596	0.009	0.035	0.034	0.019	0.336	0.090	2.149	1.973	2.149	2.149
37.5	0.373	0.043	0.658	0.010	0.039	0.037	0.022	0.374	0.100	2.149	1.964	2.149	2.149
40.0	0.419	0.049	0.727	0.011	0.043	0.042	0.024	0.417	0.112	2.149	1.924	2.149	2.149
42.5	0.470	0.055	0.807	0.012	0.048	0.047	0.027	0.469	0.127	1.620	1.787	2.149	2.149
45.0	0.525	0.061	0.905	0.014	0.055	0.054	0.031	0.537	0.147	1.470	1.370	2.149	2.149
47.5	0.585	0.070	1.040	0.016	0.064	0.063	0.036	0.635	0.177	0.100	0.085	2.149	2.149
50.0	0.652	0.075	1.199	0.019	0.076	0.075	0.045	0.807	0.236	0.167	0.031	2.149	2.149
52.5	0.702	0.075	1.308	0.022	0.091	0.097	0.063	1.171	0.356	0.194	0.036	2.149	2.149
55.0	0.702	0.075	1.465	0.028	0.124	0.159	0.104	1.708	0.553	0.241	0.047	2.149	2.149
57.5	0.702	0.075	1.746	0.045	0.242	0.282	0.168	2.131	0.898	0.345	0.077	1.805	2.149
60.0	0.702	0.075	2.098	0.088	0.511	0.399	0.307	2.149	1.441	0.470	0.155	1.747	2.149
62.5	0.702	0.075	2.149	0.128	0.718	0.480	0.426	2.149	1.801	0.564	0.229	1.866	2.149

1967 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 7	14	21	28	35	42	49	56	63	70	77	84	91
2.5	2.149	2.149	2.149	1.014	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
5.0	2.149	2.149	2.149	0.735	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
7.5	2.149	2.149	2.149	0.763	1.840	2.149	2.149	2.082	2.149	2.149	2.149	2.149	2.128
10.0	2.149	2.149	2.149	0.888	1.736	2.149	2.149	1.352	2.094	2.149	2.149	2.149	2.125
12.5	2.149	2.149	2.149	1.028	1.850	2.149	2.149	1.133	1.819	2.149	2.149	2.149	2.120
15.0	2.149	2.149	2.149	1.153	1.995	2.149	2.149	1.241	1.497	2.149	2.149	2.149	2.054
17.5	2.149	2.149	2.149	1.253	2.105	2.149	2.149	1.444	1.185	2.149	2.149	2.082	1.728
20.0	2.149	2.149	2.149	1.328	2.149	2.149	2.149	1.671	0.954	2.078	2.149	1.716	1.456
22.5	2.149	2.149	2.149	1.381	2.149	2.149	2.149	1.899	0.902	1.492	2.149	1.586	1.216
25.0	2.149	2.149	2.149	1.417	2.149	2.149	2.149	2.080	0.966	1.092	2.149	1.593	0.900
27.5	2.149	2.149	2.149	1.440	2.149	2.149	2.149	2.148	1.077	0.899	2.149	1.647	0.690
30.0	2.149	2.149	2.149	1.454	2.149	2.149	2.149	2.149	1.211	0.786	2.149	1.730	0.626
32.5	2.149	2.149	2.149	1.461	2.149	2.149	2.149	2.149	1.361	0.762	2.149	1.824	0.629
35 .o	2.149	2.149	2.149	1.466	2.149	2.149	2.149	2.149	1.523	0.808	2.149	1.921	0.662
37.5	2.149	2.149	2.149	1.468	2.149	2.149	2.149	2.149	1.691	0.854	2.149	2.010	0.708
40.0	2.149	2.149	2.149	1.470	2.149	2.149	2.149	2.149	1.859	0.918	2.149	2.091	0.762
42.5	2.149	2.149	2.149	1.470	2.149	2.149	2.149	2.149	2.024	1.005	2.149	2.141	0.823
45.0	2.149	2.149	2.149	1.471	2.149	2.149	2.149	2.149	2.142	1.113	2.149	2.149	0.897
47.5	2.149	2.149	2.149	1.471	2.149	2.149	2.149	2.149	2.149	1.243	2.149	2.149	0.988
50.0	2.149	2.149	2.149	1.471	2.149	2.149	2.149	2.149	2.149	1.395	2.149	2.149	1.104
52.5	2.149	2.149	2.149	1.471	2.149	2.149	2.149	2.149	2.149	1.568	2.149	2.149	1.237
55.0	2.149	2.149	2.149	1.471	2.149	2.149	2.149	2.149	2.149	1.769	2.149	2.149	1.365
57.5	2.149	2.149	2.149	1.471	2.149	2.149	2.149	2.149	2.149	2.003	2.149	2.149	1.536
60.0	2.149	2.149	2.149	1.471	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	1.788
62.5	2.149	2.149	2.149	1.471	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	1.955

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1967 Daily-Averaged Eddy Diffusion Coefficients ($cm^2 s^{-1}$)

Depth (m)	Day 98	105	112	119	126	133	140	147	154	161	168	175	182
2.5	2.149	2.149	1.198	2.149	2.146	1.168	0.024	2.111	2.149	2.149	0.775	1.527	2.149
5.0	2.149	2.149	0.436	1.622	0.338	0.492	0.008	0.608	1.703	1.718	0.168	0.439	1.955
7.5	2.149	2.010	0.357	0.911	0.252	0.080	0.012	0.038	0.033	0.041	0.024	0.017	0.037
10.0	2.149	1.668	0.388	0.477	0.293	0.049	0.015	0.069	0.051	0.072	0.043	0.031	0.066
12.5	2.149	1.154	0.439	0.087	0.143	0.043	0.018	0.095	0.072	0.104	0.064	0.047	0.101
15.0	2.149	0.760	0.317	0.111	0.178	0.053	0.022	0.119	0.093	0.135	0.084	0.063	0.137
17.5	2.149	0.344	0.113	0.107	0.179	0.056	0.026	0.142	0.113	0.167	0.104	0.079	0.174
20.0	2.149	0.259	0.073	0.086	0.152	0.052	0.031	0.167	0.134	0.199	0.125	0.095	0.211
22.5	2.149	0.257	0.071	0.083	0.148	0.052	0.036	0.193	0.156	0.231	0.146	0.112	0.250
25.0	2.149	0.270	0.076	0.088	0.159	0.056	0.041	0.220	0.178	0.266	0.168	0.129	0.293
27.5	2.149	0.289	0.082	0.097	0.175	0.062	0.045	0.250	0.203	0.303	0.192	0.149	0.340
30.0	2.149	0.315	0.090	0.107	0.193	0.069	0.051	0.282	0.229	0.343	0.220	0.170	0.370
32.5	2.149	0.345	0.099	0.118	0.213	0.076	0.058	0.317	0.257	0.393	0.236	0.171	0.370
35.0	2.149	0.377	0.109	0.131	0.235	0.084	0.064	0.357	0.288	0.408	0.236	0.171	0.370
37.5	2.149	0.410	0.120	0.144	0.259	0.093	0.069	0.383	0.325	0.408	0.236	0.171	0.370
40.0	2.149	0.447	0.132	0.160	0.287	0.104	0.071	0.383	0.325	0.408	0.236	0.171	0.370
42.5	2.149	0.488	0.146	0.178	0.319	0.117	0.071	0.383	0.325	0.408	0.236	0.171	0.370
45.0	2.149	0.532	0.162	0.201	0.362	0.135	0.071	0.383	0.325	0.408	0.236	0.171	0.370
47.5	2.149	0.577	0.182	0.235	0.424	0.163	0.071	0.383	0.325	0.408	0.236	0.171	0.370
50.0	2.149	0.634	0.212	0.287	0.518	0.208	0.071	0.383	0.325	0.408	0.236	0.171	0.370
52.5	2.149	0.722	0.262	0.364	0.662	0.278	0.071	0.383	0.325	0.408	0.236	0.171	0.370
55.0	2.149	0.864	0.348	0.476	0.886	0.380	0.071	0.383	0.325	0.408	0.236	0.171	0.370
57.5	2.149	1.017	0.504	0.572	1.231	0.534	0.071	0.383	0.325	0.408	0.236	0.171	0.370
60.0	2.149	1.220	0.760	0.700	1.652	0.754	0.071	0.383	0.325	0.408	0.236	0.171	0.370
62.5	2.149	1.359	0.940	0.799	1.919	0.912	0.071	0.383	0.325	0.408	0.236	0.171	0.370

1967 Daily-Averaged Eddy Diffusion Coefficients ($cm^2 s^{-1}$)

Depth (m)	Day 189	196	203	210	217	224	231	238	245	252	259	266	273
2.5	2.149	2.149	2.149	1.208	2.149	1.484	2.149	0.519	2.149	2.149	0.082	2.149	2.149
5.0	2.149	1.578	1.687	0.244	2.149	0.168	2.149	0.570	2.149	2.149	0.068	2.149	2.149
7.5	0.028	0.019	0.052	0.012	0.065	0.016	0.030	0.005	0.110	0.074	0.030	0.238	2.149
10.0	0.047	0.031	0.066	0.018	0.097	0.022	0.048	0.006	0.124	0.045	0.004	0.028	2.149
12.5	0.071	0.047	0.093	0.025	0.137	0.030	0.067	0.008	0.166	0.059	0.005	0.042	0.053
15.0	0.097	0.064	0.127	0.034	0.184	0.040	0.089	0.010	0.218	0.076	0.007	0.055	0.111
17.5	0.124	0.082	0.163	0.044	0.236	0.051	0.114	0.013	0.277	0.097	0.009	0.069	0.143
20.0	0.152	0.101	0.202	0.054	0.292	0.064	0.141	0.016	0.341	0.119	0.011	0.085	0.176
22.5	0.180	0.121	0.242	0.065	0.351	0.076	0.169	0.019	0.410	0.143	0.013	0.102	0.212
25.0	0.212	0.141	0.284	0.076	0.412	0.090	0.199	0.023	0.484	0.168	0.016	0.120	0.249
27.5	0.246	0.163	0.327	0.087	0.477	0.104	0.231	0.026	0.561	0.195	0.018	0.140	0.289
30.0	0.273	0.186	0.370	0.099	0.547	00119	0.266	0.030	0.642	0.223	0.021	0.160	0.331
32.5	0.278	0.193	0.412	0.112	0.620	0.133	0.302	0.034	0.727	0.253	0.024	0.181	0.375
35.0	0.278	0.193	0.453	0.120	0.648	0.149	0.302	0.038	0.815	0.284	0.026	0.203	0.423
37.5	0.278	0.193	0.495	0.120	0.648	0.162	0.302	0.042	0.905	0.316	0.029	0.227	0.477
40.0	0.278	0.193	0.520	0.120	0.648	0.162	0.302	0.045	0.996	0.350	0.033	0.255	0.525
42.5	0.278	0.193	0.520	0.120	0.648	0.162	0.302	0.049	1.076	0.387	0.036	0.275	0.527
45.0	0.278	0.193	0.520	0.120	0.648	0.162	0.302	0.049	1.104	0.420	0.038	0.275	0.527
47.5	0.278	0.193	0.520	0.120	0.648	0.162	0.302	0.049	1.104	0.435	0.038	0.275	0.527
50.0	0.278	0.193	0.520	0.120	0.648	0.162	0.302	0.049	1.104	0.438	0.038	0.275	0.527
52.5	0.278	0.193	0.520	0.120	0.648	0.162	0.302	0.049	1.104	0.438	0.038	0.275	0.527
55.0	0.278	0.193	0.520	0.120	0.648	0.162	0.302	0.049	1.104	0.438	0.038	0.275	0.527
57.5	0.278	0.193	0.520	0.120	0.648	0.162	0.302	0.049	1.104	0.438	0.038	0.275	0.527
60.0	0.278	0.193	0.520	0.120	0.648	0.162	0.302	0.049	1.104	0.438	0.038	0.275	0.527
62.5	0.278	0.193	0.520	0.120	0.648	0.162	0.302	0.049	1.104	0.438	0.038	0.275	0.527

1967 Daily-Averaged Eddy Diffusion Coefficients ($cm^2 s^{-1}$)

Depth (m)	Day 280	287	294	301	308	315	322	329	336	343	350	357	364
2.5	2.149	2.149	**2.149**	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
5.0	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
7.5	2.019	1.569	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
10.0	1.659	1.433	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
12.5	0.037	0.098	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	1.897
15.0	0.018	0.012	2.149	2.149	2.149	2.149	2.067	2.149	2.149	2.149	2.149	2.149	1.461
17.5	0.023	0.015	0.134	0.225	2.149	2.149	1.687	2.149	2.149	2.149	2.149	2.149	0.787
20.0	0.028	0.018	0.241	0.130	2.149	2.149	1.132	2.149	2.149	2.149	2.149	2.149	0.902
22.5	0.032	0.020	0.302	0.161	0.047	0.124	0.197	2.149	2.149	2.149	2.149	2.149	1.062
25.0	0.036	0.023	0.351	0.184	0.083	0.048	0.041	2.149	2.149	2.149	2.149	2.149	1.263
27.5	0.040	0.026	0.403	0.207	0.093	0.053	0.045	0.050	2.149	2.149	2.149	2.149	1.489
30.0	0.045	0.029	0.458	0.231	0.104	0.059	0.050	0.044	2.149	2.149	2.149	2.149	1.712
32.5	0.050	0.032	0.513	0.254	0.115	0.065	0.055	0.049	2.149	2.149	2.149	2.149	1.913
35.0	0.053	0.034	0.565	0.276	0.125	0.071	0.060	0.054	2.149	2.149	2.149	2.149	2.081
37.5	0.056	0.036	0.617	0.296	0.135	0.078	0.066	0.058	0.799	2.149	2.149	2.149	2.147
40.0	0.059	0.038	0.672	0.319	0.146	0.084	0.072	0.064	0.538	2.149	2.149	2.149	2.149
42.5	0.063	0.041	0.733	0.346	0.160	0.093	0.079	0.071	0.600	2.149	2.149	2.149	2.149
45.0	0.068	0.044	0.806	0.384	0.180	0.107	0.091	0.081	0.698	2.149	2.149	2.149	2.149
47.5	0.074	0.049	0.900	0.444	0.213	0.130	0.111	0.100	0.881	2.149	2.149	2.149	2.149
50.0	0.084	0.056	1.043	0.553	0.270	0.178	0.152	0.139	1.224	2.149	2.149	2.149	2.149
52.5	0.096	0.069	1.262	0.691	0.372	0.259	0.223	0.208	1.727	2.149	2.149	2.149	2.149
55.0	0.111	0.100	1.336	0.859	0.580	0.352	0.315	0.335	2.149	2.149	2.149	2.149	2.149
57.5	0.146	0.132	1.472	1.219	0.957	0.412	0.451	0.573	2.149	2.149	2.149	2.149	2.149
60.0	0.241	0.167	1.490	1.843	1.479	0.506	0.786	0.901	2.149	2.149	2.149	2.149	2.149
62.5	0.327	0.191	1.490	2.129	1.831	0.591	1.047	1.121	2.149	2.149	2.149	2.149	2.149

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1968 Daily-Averaged Eddy Diffusion Coefficients ($cm^2 s^{-1}$)

Depth (m)	Day 7	14	21	28	35	42	49	56	63	70	77	84	91
2.5	2.149	0.065	0.063	2.149	1.600	2.030	2.149	0.603	1.986	2.149	2.149	2.149	2.149
5.0	2.149	0.075	0.043	2.149	1.165	1.344	1.993	0.231	0.259	1.315	2.149	2.149	2.149
7.5	2.149	0.113	0.050	2.149	0.926	0.792	1.839	0.173	0.324	0.363	2.129	1.902	2.149
10.0	2.149	0.162	0.063	2.149	0.818	0.528	1.345	0.112	0.357	0.105	0.808	0.714	2.066
12.5	2.149	0.220	0.082	2.149	0.795	0.454	0.651	0.100	0.389	0.132	0.316	0.407	1.214
15.0	2.149	0.287	0.110	2.149	0.843	0.446	0.345	0.087	0.394	0.160	0.377	0.465	0.582
17.5	2.149	0.355	0.146	2.149	0.979	0.457	0.325	0.078	0.390	0.185	0.452	0.566	0.343
20.0	2.149	0.415	0.193	2.149	1.141	0.482	0.364	0.084	0.427	0.215	0.530	0.669	0.358
22.5	2.149	0.461	0.251	2.149	1.357	0.522	0.417	0.096	0.488	0.249	0.614	0.776	0.409
25.0	2.149	0.490	0.315	2.149	1.534	0.579	0.476	0.112	0.561	0.288	0.701	0.886	0.461
27.5	2.149	0.509	0.382	2.149	1.684	0.652	0.541	0.130	0.639	0.330	0.792	0.998	0.522
30.0	2.149	0.519	0.443	2.149	1.782	0.738	0.611	0.149	0.723	0.369	0.887	1.115	0.589
32.5	2.149	0.524	0.495	2.149	1.843	0.835	0.686	0.171	0.811	0.410	0.987	1.236	0.642
35.0	2.149	0.527	0.534	2.149	1.877	0.939	0.765	0.197	0.904	0.457	1.096	1.362	0.698
37.5	2.149	0.528	0.561	2.149	1.894	1.048	0.849	0.224	1.000	0.513	1.206	1.492	0.772
40.0	2.149	0.529	0.578	2.149	1.902	1.155	0.934	0.254	1.093	0.576	1.309	1.631	0.861
42.5	2.149	0.529	0.589	2.149	1.906	1.251	1.022	0.275	1.182	0.648	1.415	1.788	0.970
45.0	2.149	0.529	0.594	2.149	1.907	1.351	1.112	0.304	1.278	0.730	1.539	1.974	1.098
47.5	2.149	0.529	0.597	2.149	1.908	1.456	1.206	0.341	1.389	0.823	1.689	2.147	1.255
50.0	2.149	0.529	0.598	2.149	1.909	1.565	1.306	0.388	1.521	0.934	1.877	2.149	1.442
52.5	2.149	0.529	0.599	2.149	1.909	1.672	1.415	0.446	1.679	1.069	2.117	2.149	1.653
55.0	2.149	0.529	0.599	2.149	1.909	1.775	1.537	0.520	1.863	1.235	2.149	2.149	1.919
57.5	2.149	0.529	0.600	2.149	1.909	1.871	1.668	0.617	2.069	1.436	2.149	2.149	2.149
60.0	2.149	0.529	0.600	2.149	1.909	1.957	1.809	0.746	2.149	1.658	2.149	2.149	2.149
62.5	2.149	0.529	0.600	2.149	1.909	2.009	1.898	0.837	2.149	1.799	2.149	2.149	2.149

1968 Daily-Averaged Eddy Diffusion Coefficients ($cm^2 \ s^{-1}$)

Depth (m)	Day 98	105	112	119	126	133	140	147	154	161	168	175	182
2.5	2.149	2.149	1.315	0.057	2.149	2.149	0.216	1.751	2.149	2.149	0.173	1.028	1.819
5.0	2.138	2.149	0.593	0.052	2.149	2.149	0.375	1.124	2.149	1.409	0.085	0.864	1.125
7.5	1.699	2.149	0.412	0.052	2.149	2.095	0.602	0.058	0.066	0.026	0.021	0.013	0.023
10.0	0.912	2.149	0.380	0.046	2.149	1.402	0.750	0.062	0.097	0.034	0.015	0.019	0.031
12.5	0.277	2.149	0.267	0.042	1.383	1.037	0.672	0.058	0.123	0.043	0.016	0.025	0.041
15.0	0.163	1.909	0.095	0.029	1.024	0.594	0.565	0.045	0.137	0.051	0.016	0.031	0.051
17.5	0.111	1.204	0.029	0.021	0.957	0.524	0.601	0.038	0.149	0.057	0.016	0.036	0.061
20.0	0.116	1.228	0.022	0.019	0.885	0.523	0.689	0.037	0.169	0.065	0.016	0.041	0.070
22.5	0.133	1.390	0.025	0.021	0.866	0.542	0.801	0.040	0.196	0.075	0.017	0.047	0.081
25.0	0.152	1.566	0.029	0.025	0.945	0.603	0.943	0.045	0.230	0.087	0.018	0.054	0.093
27.5	0.173	1.747	0.034	0.030	1.068	0.685	1.108	0.049	0.266	0.100	0.019	0.062	0.106
30.0	0.196	1.939	0.038	0.034	1.204	0.776	1.294	0.054	0.305	0.115	0.021	0.071	0.121
32.5	0.217	2.139	0.044	0.040	1.348	0.874	1.500	0.060	0.348	0.131	0.023	0.081	0.138
35.0	0.240	2.149	0.048	0.045	1.500	0.979	1.737	0.068	0.398	0.149	0.026	0.093	0.158
37.5	0.267	2.149	0.052	0.051	1.672	1.095	1.987	0.077	0.454	0.170	0.029	0.106	0.181
40.0	0.302	2.149	0.058	0.057	1.868	1.223	2.017	0.086	0.514	0.194	0.033	0.106	0.181
42.5	0.344	2.149	0.065	0.065	2.042	1.356	2.017	0.095	0.586	0.221	0.037	0.122	0.205
45.0	0.398	2.149	0.075	0.067	2.149	1.485	2.017	0.105	0.654	0.249	0.043	0.134	0.230
47.5	0.471	2.149	0.088	0.069	2.149	1.620	2.017	0.121	0.654	0.257	0.047	0.134	0.233
50.0	0.568	2.149	0.108	0.072	2.149	1.825	2.017	0.133	0.654	0.257	0.049	0.134	0.233
52.5	0.701	2.149	0.137	0.077	2.149	2.135	2.017	0.159	0.654	0.257	0.053	0.134	0.233
55.0	0.856	2.149	0.176	0.082	2.149	2.149	2.017	0.206	0.654	0.257	0.061	0.134	0.233
57.5	0.995	2.149	0.239	0.088	2.149	2.149	2.017	0.295	0.654	0.257	0.073	0.134	0.233
60.0	1.193	2.149	0.348	0.098	2.149	2.149	2.017	0.472	0.654	0.257	0.099	0.134	0.233
62.5	1.341	2.149	0.416	0.107	2.149	2.149	2.017	0.637	0.654	0.257	0.122	0.134	0.233

1968 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m) Day	189	196	203	210	217	224	231	238	245	252	259	266	273
2.5	1.085	2.149	2.149	1.642	2.149	2.149	2.149	2.149	1.894	2.149	2.149	2.149	2.149
5.0	0.036	2.149	2.149	0.199	2.149	1.838	2.149	2.149	1.569	2.149	2.149	2.149	2.149
7.5	0.015	0.147	0.021	0.025	0.021	0.014	1.212	2.149	0.205	0.046	2.149	2.149	2.060
10.0	0.020	0.221	0.027	0.035	0.030	0.018	0.731	2.149	0.339	0.058	2.149	2.149	1.256
12.5	0.027	0.304	0.036	0.047	0.041	0.025	0.026	0.007	0.012	0.005	0.075	1.336	0.342
15.0	0.034	0.386	0.046	0.061	0.054	0.033	0.038	0.014	0.023	0.010	0.116	0.348	0.032
17.5	0.040	0.468	0.057	0.075	0.068	0.041	0.048	0.019	0.031	0.014	0.164	0.460	0.040
20.0	0.047	0.552	0.068	0.090	0.081	0.049	0.058	0.023	0.038	0.017	0.207	0.564	0.049
22.5	0.054	0.640	0.079	0.105	0.095	0.058	0.069	0.027	0.045	0.020	0.249	0.649	0.056
25.0	0.063	0.736	0.091	0.122	0.111	0.068	0.080	0.031	0.052	0.023	0.291	0.724	0.063
27.5	0.071	0.843	0.104	0.140	0.127	0.078	0.093	0.036	0.060	0.027	0.336	0.796	0.070
30.0	0.082	0.964	0.119	0.159	0.145	0.090	0.106	0.041	0.068	0.031	0.384	0.869	0.078
32.5	0.093	1.105	0.136	0.182	0.166	0.102	0.121	0.047	0.078	0.035	0.435	0.946	0.085
35.0	0.107	1.268	0.153	0.206	0.191	0.116	0.136	0.053	0.088	0.039	0.492	1.030	0.094
37.5	0.122	1.414	0.173	0.234	0.208	0.130	0.153	0.059	0.098	0.044	0.555	1.120	0.103
40.0	0.137	1.470	0.195	0.244	0.209	0.137	0.170	0.067	0.110	0.049	0.623	1.215	0.113
42.5	0.147	1.473	0.209	0.244	0.209	0.137	0.185	0.072	0.123	0.054	0.692	1.315	0.124
45.0	0.147	1.473	0.209	0.244	0.209	0.137	0.190	0.072	0.123	0.054	0.746	1.421	0.136
47.5	0.147	1.473	0.209	0.244	0.209	0.137	0.190	0.072	0.123	0.054	0.750	1.539	0.151
50.0	0.147	1.473	0.209	0.244	0.209	0.137	0.190	0.072	0.123	0.054	0.750	1.674	0.171
52.5	0.147	1.473	0.209	0.244	0.209	0.137	0.190	0.072	0.123	0.054	0.750	1.845	0.207
55.0	0.147	1.473	0.209	0.244	0.209	0.137	0.190	0.072	0.123	0.054	0.750	2.098	0.265
57.5	0.147	1.473	0.209	0.244	0.209	0.137	0.190	0.072	0.123	0.054	0.750	2.149	0.382
60.0	0.147	1.473	0.209	0.244	0.209	0.137	0.190	0.072	0.123	0.054	0.750	2.149	0.690
62.5	0.147	1.473	0.209	0.244	0.209	0.137	0.190	0.072	0.123	0.054	0.750	2.149	0.939

1968 Daily-Averaged Eddy Diffusion Coefficients $(cm^2 \ s^{-1})$

Depth (m)	Day 280	287	294	301	308	315	322	329	336	343	350	357	364
2.5	2.149	2.149	2.149	0.362	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
5.0	2.149	2.149	2.149	0.416	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
7.5	2.149	2.149	2.149	0.198	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
10.0	2.149	2.149	2.149	0.050	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
12.5	2.149	2.149	2.149	0.024	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
15.0	2.149	2.149	2.149	0.026	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
17.5	0.160	2.149	2.149	0.028	2.065	2.141	2.149	2.149	2.149	2.149	2.149	2.149	2.149
20.0	0.242	0.423	2.149	0.020	1.569	2.042	2.149	2.149	2.149	2.149	2.149	2.149	2.149
22.5	0.319	0.388	0.092	0.003	0.051	0.199	2.149	2.149	2.149	2.149	2.149	2.149	2.149
25.0	0.368	0.446	0.113	0.002	0.045	0.021	2.149	2.149	2.149	2.149	2.149	2.149	2.149
27.5	0.410	0.499	0.126	0.003	0.051	0.023	0.028	0.614	2.149	2.149	2.149	2.149	2.149
30.0	0.453	0.552	0.141	0.003	0.057	0.026	0.013	0.382	2.149	2.149	2.149	2.149	2.149
32.5	0.496	0.608	0.156	0.003	0.063	0.028	0.015	0.026	1.794	2.149	2.149	2.149	2.149
35.0	0.544	0.667	0.172	0.003	0.069	0.031	0.016	0.032	1.472	2.149	2.149	2.149	2.149
37.5	0.595	0.732	0.190	0.003	0.077	0.035	0.018	0.036	0.087	2.149	2.149	2.149	2.149
40.0	0.651	0.804	0.210	0.003	0.085	0.039	0.020	0.040	0.143	2.149	2.149	2.149	2.149
42.5	0.715	0.891	0.236	0.004	0.096	0.043	0.022	0.045	0.163	2.149	2.149	2.149	2.149
45.0	0.793	1.007	0.273	0.004	0.112	0.051	0.026	0.053	0.193	2.149	2.149	2.149	2.149
47.5	0.901	1.189	0.329	0.005	0.137	0.062	0.033	0.067	0.247	2.149	2.149	2.149	2.149
50.0	1.059	1.457	0.418	0.006	0.181	0.083	0.045	0.096	0.364	2.149	2.149	2.149	2.149
52.5	1.263	1.760	0.557	0.008	0.269	0.127	0.074	0.160	0.595	2.149	2.149	2.149	2.149
55.0	1.456	2.133	0.788	0.012	0.456	0.231	0.124	0.272	0.922	2.149	2.149	2.149	2.149
57.5	1.813	2.149	1.215	0.022	0.734	0.438	0.206	0.432	1.178	2.149	2.149	2.149	2.149
60.0	2.149	2.149	1.786	0.040	1.000	0.770	0.350	0.622	1.475	2.149	2.149	2.149	2.149
62.5	2.149	2.149	2.097	0.056	1.153	1.003	0.467	0.753	1.694	1.972	2.149	2.149	2.149

1969 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 7	14	21	28	35	42	49	56	63	70	77	84	91
2.5	2.149	2.149	2.149	2.149	2.149	1.087	2.149	1.427	2.149	2.149	2.149	0.606	2.149
5.0	2.149	2.149	2.149	2.149	2.149	0.822	2.141	0.929	2.136	1.456	2.149	0.303	2.149
7.5	2.149	2.149	2.149	2.149	2.149	0.719	1.574	0.631	1.732	0.679	1.753	0.137	1.494
10.0	2.149	2.149	2.149	2.149	2.149	0.710	1.370	0.449	1.288	0.314	0.637	0.054	0.426
12.5	2.149	2.149	2.149	2.149	2.149	0.738	1.417	0.282	1.263	0.229	0.381	0.033	0.351
15.0	2.149	2.149	2.149	2.149	2.149	0.775	1.519	0.218	1.318	0.243	0.463	0.029	0.379
17.5	2.149	2.149	2.149	2.149	2.149	0.811	1.623	0.235	1.470	0.285	0.576	0.032	0.447
20.0	2.149	2.149	2.149	2.149	2.149	0.839	1.727	0.277	1.674	0.339	0.700	0.037	0.535
22.5	2.149	2.149	2.149	2.149	2.149	0.859	1.830	0.327	1.889	0.400	0.829	0.043	0.645
25.0	2.149	2.149	2.149	2.149	2.149	0.874	1.931	0.381	2.095	0.466	0.961	0.052	0.782
27.5	2.149	2.149	2.149	2.149	2.149	0.888	2.029	0.436	2.149	0.539	1.093	0.063	0.918
30.0	2.149	2.149	2.149	2.149	2.149	0.905	2.117	0.493	2.149	0.618	1.224	0.076	1.001
32.5	2.149	2.149	2.149	2.149	2.149	0.927	2.149	0.536	2.149	0.697	1.354	0.091	1.104
35.0	2.149	2.149	2.149	2.149	2.149	0.955	2.149	0.583	2.149	0.770	1.484	0.107	1.238
37.5	2.149	2.149	2.149	2.149	2.149	0.989	2.149`	0.636	2.149	0.840	1.614	0.124	1.388
40.0	2.149	2.149	2.149	2.149	2.149	1.026	2.149	0.694	2.149	0.914	1.746	0.142	1.557
42.5	2.149	2.149	2.149	2.149	2.149	1.066	2.149	0.755	2.149	0.996	1.880	0.163	1.735
45.0	2.149	2.149	2.149	2.149	2.149	1.106	2.149	0.817	2.149	1.087	2.017	0.187	1.929
47.5	2.149	2.149	2.149	2.149	2.149	1.145	2.149	0.882	2.149	1.187	2.145	0.214	2.145
50.0	2.149	2.149	2.149	2.149	2.149	1.181	2.149	0.951	2.149	1.298	2.149	0.248	2.149
52.5	2.149	2.149	2.149	2.149	2.149	1.212	2.149	1.025	2.149	1.423	2.149	0.290	2.149
55.0	2.149	2.149	2.149	2.149	2.149	1.240	2.149	1.109	2.149	1.566	2.149	0.345	2.149
57.5	2.149	2.149	2.149	2.149	2.149	1.263	2.149	1.203	2.149	1.725	2.149	**0.395**	**2.149**
60.0	2.149	2.149	2.149	2.149	2.149	1.282	2.149	1.306	2.149	1.886	2.149	0.469	2.149
62.5	2.149	2.149	2.149	2.149	2.149	1.293	2.149	1.373	2.149	1.986	2.149	0.527	2.149

1969 Daily-Averaged Eddy Diffusion Coefficients ($cm^2 s^{-1}$)

Depth (m)	Day 98	105	112	119	126	133	140	147	154	161	168	175	182
2.5	0.166	1.425	2.149	2.149	0.398	0.928	0.807	2.149	0.064	1.630	0.049	2.149	0.220
5.0	0.068	0.535	2.116	2.149	0.121	0.096	0.312	2.149	0.027	1.067	0.032	2.149	0.069
7.5	0.034	0.148	1.992	2.149	0.132	0.108	0.010	0.152	0.006	0.054	0.004	0.101	0.032
10.0	0.019	0.097	1.365	1.491	0.135	0.142	0.016	0.218	0.008	0.090	0.008	0.102	0.004
12.5	0.005	0.036	0.584	0.752	0.048	0.168	0.021	0.303	0.010	0.121	0.011	0.142	0.006
15.0	0.005	0.037	0.394	0.423	0.021	0.185	0.025	0.379	0.013	0.155	0.014	0.188	0.008
17.5	0.006	0.048	0.335	0.385	0.021	0.200	⌷ ◆ ▯⍰	0.454	0.016	0.191	0.018	0.237	0.011
20.0	0.007	0.062	0.372	0.443	0.024	0.226	0.033	0.536	0.019	0.230	0.021	0.289	0.013
22.5	0.008	0.078	0.412	0.510	0.028	0.259	0.039	0.630	0.023	0.273	0.025	0.346	0.016
25.0	0.010	0.096	0.472	0.596	0.034	0.309	0.046	0.739	0.027	0.323	0.030	0.410	0.019
27.5	0.011	0.105	0.547	0.695	0.040	0.373	0.055	0.867	0.031	0.379	0.035	0.479	0.022
30.0	0.013	0.116	0.637	0.806	0.047	0.446	0.064	1.014	0.037	0.435	0.041	0.551	0.025
32.5	0.015	0.132	0.732	0.924	0.054	0.528	0.073	1.185	0.042	0.497	0.045	0.625	0.028
35.0	0.017	0.151	0.834	1.056	0.064	0.619	0.085	1.374	0.048	0.538	0.045	0.700	0.032
37.5	0.019	0.175	0.943	1.206	0.074	0.719	⌷ ◆ ⍰⍰	1.504	0.055	0.538	0.045	0.776	0.036
40.0	0.021	0.201	1.063	1.364	0.085	0.759	⍰⌀▯⍰⍰	1.517	0.062	0.538	0.045	0.852	0.038
42.5	0.024	0.231	1.201	1.510	0.098	0.764	⍰⌀▯⍰⍰	1.517	0.062	0.538	0.045	0.888	0.038
45.0	0.028	0.266	1.368	1.657	0.113	0.770	⍰⌀▯⍰⍰	1.517	0.062	0.538	0.045	0.896	0.038
47.5	0.033	0.309	1.561	1.839	0.132	0.777	⍰⌀▯⍰⍰	1.517	0.062	0.538	0.045	⌷ ◆ ⍰⍰⍰	0.038
50.0	0.039	0.362	1.725	2.110	0.158	0.786	⍰⌀▯⍰⍰	1.517	0.062	0.538	0.045	⌷ ◆ ⍰⍰⍰	0.038
52.5	0.048	0.432	1.905	2.149	0.191	0.800	⍰⌀▯⍰⍰	1.517	0.062	0.538	0.045	⍰⌀⍰⍰⍰	0.038
55.0	0.063	0.529	2.132	2.149	0.251	0.822	⍰⌀▯⍰⍰	1.517	0.062	0.538	0.045	⍰⌀⍰⍰⍰	0.038
57.5	0.087	0.674	2.149	2.149	0.369	0.849	⍰⌀▯⍰⍰	1.517	0.062	0.538	0.045	⌷ ◆ ⍰⍰⍰	0.038
60.0	0.127	0.886	2.149	2.149	0.573	0.896	⍰⌀▯⍰⍰	1.517	0.062	0.538	0.045	⌷ ◆ ⍰⍰⍰	0.038
62.5	0.160	1.035	2.149	2.149	0.723	0.931	⍰⌀▯⍰⍰	1.517	0.062	0.538	0.045	⍰⌀⍰⍰⍰	0.038

1969 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 189	196	203	210	217	224	231	238	245	252	**259**	266	273
2.5	0.183	2.149	0.540	2.149	2.149	2.149	2.149	2.149	2.149	0.063	2.149	2.149	2.149
5.0	0.036	1.131	0.157	2.149	2.149	2.149	2.149	2.149	2.127	0.027	2.149	2.149	2.149
7.5	0.025	0.364	0.025	0.116	2.149	2.149	2.149	2.149	1.384	0.025	2.149	2.149	2.149
10.0	0.027	0.162	0.025	0.078	2.149	2.149	2.149	2.149	0.994	0.022	2.149	2.149	2.149
12.5	0.002	0.011	0.004	0.014	0.021	0.017	0.014	0.044	0.040	0.002	0.008	0.189	0.369
15.0	0.005	0.024	0.008	0.027	0.044	0.034	0.025	0.071	0.059	0.003	0.010	0.152	0.095
17.5	0.006	0.034	0.012	0.040	0.067	0.053	0.038	0.107	0.087	0.004	0.015	0.209	0.140
20.0	0.008	0.043	0.015	0.053	0.089	0.071	0.051	0.146	0.119	0.005	0.020	0.281	0.187
22.5	0.009	0.053	0.018	0.065	0.111	0.089	0.065	0.186	0.152	0.006	0.026	0.362	0.240
25.0	0.011	0.062	0.022	0.077	0.133	0.106	0.078	0.227	0.187	0.008	0.032	0.447	0.297
27.5	0.013	0.072	0.025	0.090	0.156	0.126	0.093	0.270	0.223	0.010	0.038	0.537	0.357
30.0	0.014	0.084	0.029	0.104	0.182	0.147	0.109	0.316	0.261	0.011	0.045	0.630	0.420
32.5	0.016	0.096	0.034	0.120	0.208	0.171	0.126	0.364	0.299	0.013	0.052	0.726	0.484
35.0	0.019	0.111	0.039	0.136	0.208	0.172	0.138	0.414	0.338	0.015	0.058	0.825	0.551
37.5	0.020	0.114	0.039	0.136	0.208	0.172	0.138	0.441	0.378	0.016	0.066	0.926	0.620
40.0	0.020	0.114	0.039	0.136	0.208	0.172	0.138	0.441	0.402	0.018	0.073	1.030	0.691
42.5	0.020	0.114	0.039	0.136	0.208	0.172	0.138	0.441	0.402	0.019	0.079	1.135	0.767
45.0	0.020	0.114	0.039	0.136	0.208	0.172	0.138	0.441	0.402	0.019	0.079	1.247	0.851
47.5	0.020	0.114	0.039	0.136	0.208	0.172	0.138	0.441	0.402	0.019		1.367	0.948
50.0	0.020	0.114	0.039	0.136	0.208	0.172	0.138	0.441	0.402	0.019		1.417	0.954
52.5	0.020	0.114	0.039	0.136	0.208	0.172	0.138	0.441	0.402	0.019		1.435	0.954
55.0	0.020	0.114	0.039	0.136	0.208	0.172	0.138	0.441	0.402	0.019		1.435	0.954
57.5	0.020	0.114	0.039	0.136	0.208	0.172	0.138	0.441	0.402	0.019		1.435	0.954
60.0	0.020	0.114	0.039	0.136	0.208	0.172	0.138	0.441	0.402	0.019		1.435	0.954
62.5	0.020	0.114	0.039	0.136	0.208	0.172	0.138	0.441	0.402	0.019		1.435	0.954

1969 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 280	287	294	301	308	315	322	329	336	343	350	357	364
2.5	2.149	2.149	1.244	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
5.0	2.083	2.149	1.018	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
7.5	1.714	2.149	1.114	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
10.0	1.565	2.149	1.243	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
12.5	1.085	2.149	1.328	2.146	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
15.0	0.952	2.149	1.071	1.731	2.108	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
17.5	0.010	0.012	0.005	0.024	0.174	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
20.0	0.022	0.018	0.006	0.019	0.130	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
22.5	0.029	0.025	0.008	0.029	0.196	0.009	0.010	0.054	2.149	2.149	2.149	2.149	2.149
25.0	0.036	0.032	0.010	0.037	0.252	0.026	0.015	0.041	2.149	2.149	2.149	2.149	2.149
27.5	0.044	0.039	0.012	0.045	0.302	0.031	0.018	0.048	0.009	0.391	1.926	2.149	2.149
30.0	0.051	0.045	0.014	0.052	0.349	0.036	0.020	0.056	0.018	0.211	1.491	2.149	2.149
32.5	0.059	0.053	0.016	0.059	0.395	0.041	0.023	0.063	0.020	0.240	0.073	0.799	2.149
35.0	0.068	0.060	0.018	0.066	0.442	0.046	0.026	0.071	0.022	0.269	0.100	0.600	2.149
37.5	0.076	0.068	0.020	0.074	▯ ● ▓▌	0.051	0.029	0.080	0.025	0.302	0.113	0.667	0.022
40.0	0.086	0.077	0.022	0.082	0.548	0.057	0.033	0.090	0.028	0.338	0.127	0.748	0.030
42.5	0.097	0.087	0.024	0.092	0.608	0.064	0.037	0.102	0.032	0.383	0.146	0.851	0.035
45.0	0.102	0.097	0.027	0.103	0.675	0.073	0.042	0.118	0.037	0.444	0.172	1.001	0.042
47.5	0.102	0.108	0.030	0.115	0.748	▯ ● ▌▓	0.051	0.141	0.044	0.534	0.217	1.251	0.055
50.0	0.102	0.117	0.033	0.128	0.835	0.106	0.061	0.172	0.055	0.680	0.299	1.700	0.080
52.5	0.102	0.118	0.036	0.146	0.962	0.121	0.076	0.226	0.076	0.989	0.425	2.149	0.108
55.0	0.102	0.118	0.039	0.182	1.265	0.144	0.108	0.355	0.129	1.543	0.601	2.149	0.140
57.5	0.102	0.118	0.048	0.290	2.064	0.188	0.173	0.624	0.241	2.149	0.862	2.149	0.206
60.0	0.102	0.118	● ▌▓	0.523	2.149	0.296	0.279	1.014	0.446	2.149	1.145	2.149	0.382
62.5	0.102	0.118	0.088	0.711	2.149	0.400	0.319	1.279	0.603	2.149	1.327	2.149	0.533

1970 Daily-Averaged Eddy Diffusion Coefficients $(cm^2\ s^{-1})$

Depth (m)	Day 7	14	21	28	35	42	49	56	63	70	77	84	91
2.5	2.149	2.149	1.160	2.149	2.149	0.218	2.149	2.149	2.149	2.149	2.149	2.149	2.149
5.0	2.149	2.149	0.521	2.149	2.149	0.104	2.149	1●731	2.149	2.149	2.149	2.149	2 ml49
7.5	2.149	2.149	0.474	2.149	2.149	0.070	2.149	0.748	2.149	2●o53	1●975	2.104	2.149
10.0	2.149	2.149	0.559	2.149	2.149	0.049	2●▫▫	0.407	2.149	1●447	1●o33	1●207	2.138
12.5	2.149	2.149	0●▫▫	2.149	2.149	0.051	▫●332	0.372	2.149	▫●068	0.381	▫●527	1.159
15.0	2.149	2.149	0.834	2.149	2.149	0.065	0.854	0.349	2.149	0.893	0.244	0.305	0.534
17.5	2.149	2.149	0.981	2.149	2.149	0.084	0.830	0.296	1●610	0●786	0.226	0.218	0.421
20.0	2.149	2.149	1.122	2.149	2.149	0.115	0.810	0.280	0.704	0.613	0.214	0.219	0.441
22.5	2.149	2.149	1●252	2.114	2.149	0.175	0.947	0.311	0.688	0.490	0.203	0.228	0.479
25.0	2.149	2.149	1●368	2.072	2.149	0.231	1.102	0.365	0.777	0.511	0.212	0.247	0.531
27.5	2.149	2.149	1●468	2.019	2.149	0.278	1.317	▫●432	0.886	0.579	0.238	0.277	0.596
30.0	2.149	2.149	1●552	2.021	2.149	0.282	1●550	0.509	1 moo0	0.656	0.271	0.313	0.674
32.5	2.149	2.149	1●621	2.141	2.149	0.281	1.770	0.590	1.108	0.736	0.307	0.358	0.762
35.0	2.149	2.149	1●677	2.149	2.149	0.233	1.968	0.670	1.214	0.821	0.346	0.412	0.856
37.5	2.149	2.149	1.719	2.149	2.149	0.220	2.116	0.750	1●326	0.912	0.390	0.455	0.946
40.0	2.149	2.149	1●752	2.149	2.149	0.185	2.149	0.830	1.453	▫●o13	0.441	0.491	1●o39
42.5	2.149	2.149	1.777	2.149	2.149	0.184	2.149	0.916	1●597	1.128	0.501	0.540	1.148
45.0	2.149	2.149	1●795	2.149	2.149	0.174	2.149	1●o10	1●759	1●262	0.575	0.607	1●290
47.5	2.149	2.149	1●807	2.149	2.149	0.182	2.149	1.117	1.942	1.422	0.667	0.695	1.482
50.0	2.149	2.149	1●816	2.149	2.149	0.191	2.149	1●239	2.148	1●615	0.780	0.809	1.747
52.5	2.149	2.149	1●822	2.149	2.149	0.208	2.149	1●381	2.149	1●844	0.914	0.961	2.112
55 ●▫	2.149	2.149	1●826	2.149	2.149	0.234	2.149	1●543	2.149	2.112	1●065	1.171	2.149
57.5	2.149	2.149	1●829	2.149	2.149	0.271	2.149	1.719	2.149	2.149	1●268	1●466	2.149
60.0	2.149	2.149	1.831	2.149	2.149	0.331	2.149	1●905	2.149	2.149	1●552	1●839	2.149
62.5	2.149	2.149	1.832	2.149	2.149	0.376	2.149	2.023	2 ml49	2.149	▫●743	2.084	2.149

1970 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 98	105	112	119	126	133	140	147	154	161	168	175	182
2.5	2.149	2.149	2.149	2.149	2.149	2.149	2.074	2.149	1.434	2.149	0.354	2.149	2.149
5.0	2.149	2.149	2.149	2.149	1.283	1.808	0.605	2.149	1.236	2.149	0.425	0.380	1.733
7.5	2 ml49	1.403	2.149	2.149	0.169	1.370	0.192	0.312	1.074	0.321	0.121	0.361	0.126
10.0	2.149	0.960	2.149	2.149	0.159	0.531	0.059	0.119	0.856	0.133	0.008	0.390	0.030
12.5	2.149	0.682	2.149	2.122	0.205	0.128	0.054	0.128	1.007	0.140	0.005	0.410	⬚ ● ⬚
15.0	1.360	0.498	1.850	⬚ ● ⬚	0.236	0.119	0.054	0.140	1.192	0.143	0.005	0.445	0.028
17.5	0.200	0.277	0.583	1.851	0.228	0.130	0.048	0.135	1.231	0.146	0.005	0.504	0.028
20.0	0.139	0.116	0.348	0.767	0.160	0.118	0.046	0.134	1.236	0.148	0.006	0.583	0.029
22.5	0.154	0.113	0.334	0.267	0.066	0.074	0.042	0.127	1.250	0.151	0.006	0.672	0.031
25.0	0.175	0.128	0.381	0.248	0.059	0.066	0.041	0.125	1.261	0.157	0.006	0.762	0.033
27.5	0.199	0.147	0.436	0.281	0.068	0.075	0.041	0.125	1.276	0.164	0.006	0.854	0.034
30.0	0.226	0.167	0.494	0.321	0.078	0.087	0.043	0.134	⬚ ● ⬚	0.175	0.007	0.952	0.036
32.5	0.256	0.190	0.558	0.367	0.089	0.099	0.049	0.153	1.319	0.189	0.007	1.058	0.039
35.0	0.288	0.215	0.628	0.423	0.103	0.113	0.056	0.175	1.351	0.208	0.008	1.176	0.042
37.5	0.326	0.244	0.706	0.473	0.116	0.127	0.064	0.198	1.388	0.235	0.009	1.311	0.046
40.0	0.373	0.277	0.795	0.514	0.127	0.142	0.072	0.225	1.434	0.277	0.010	1.478	0.050
42.5	0.428	0.316	0.903	0.564	0.142	0.159	0.083	0.257	1.487	0.305	0.011	1.538	0.055
45.0	0.478	0.363	1.042	0.634	0.161	0.184	0.097	0.301	1.551	0.329	0.012	1.545	0.060
47.5	0.528	0.429	1.225	0.728	0.189	0.223	0.117	0.367	1.588	0.366	0.013	1.556	0.068
50.0	0.593	0.519	1.424	0.859	0.233	0.290	0.151	0.469	1.637	0.401	0.015	1.570	0.078
52.5	0.693	0.585	1 ● 630	1.053	0.310	0.392	0.198	0.626	1.708	0.456	0.018	1.589	0.086
55.0	0.853	0.676	⬚ ● ⬚	1.340	0.451	0.535	0.243	0.879	1.808	0.532	0.026	1.612	0.098
57.5	0.992	0.832	2.149	1.759	0.665	0.738	0.321	1.197	1.955	0.660	0.038	1.647	0.123
60.0	1.198	1.117	2.149	2.149	0.868	1.030	0.489	1.494	2.074	0.915	0.053	1.695	0.186
62.5	1.347	1.323	2.149	2.149	0.994	1.173	0.625	1.681	2.074	1.114	0.064	1.735	0.244

1970 Daily-Averaged Eddy Diffusion Coefficients $(cm^2 \ s^{-1})$

Depth (m) Day	189	196	203	210	217	224	231	238	245	252	259	266 .-----a--------	273
2.5	2.075	0.262	2.149	2.149	1.336	1.785	1.276	2.149	2.149	2.149	2.149	2.149	2.149
5.0	0.434	0.136	2.149	2.149	0.996	0.726	0.935	2.138	2.149	2.149	1.630	2.149	1.836
7.5	0.041	0.005	0.156	2.149	0.681	0.486	0.438	1.789	2.149	2.149	1.002	2.149	0.193
10.0	0.057	0.007	0.049	2.051	0.248	0.555	0.276	1.613	2.149	2.149	0.528	2.149	0.502
12.5	0.067	0.009	0.064	0.034	0.007	0.019	0.005	0.011	0.019	0.051	0.049	2.149	0.516
15.0	0.079	0.011	0.078	0.060	0.011	0.031	0.009	0.018	0.029	0.036	0.009	2.149	0.045
17.5	0.093	0.013	0.094	0.076	0.015	0.042	0.012	0.026	0.041	0.046	0.011	0.028	0.059
20.0	0.109	0.015	0.110	0.090	0.018	0.052	0.014	0.032	0.051	0.056	0.013	0.046	0.022
22.5	0.126	0.017	0.128	0.105	0.021	0.061	0.017	0.038	0.061	0.064	0.015	0.058	0.032
25.0	0.144	0.020	0.147	0.120	0.024	0.070	0.020	0.044	0.071	0.070	0.016	0.069	0.040
27.5	0.165	0.023	0.167	0.137	0.027	0.080	0.022	0.050	0.081	0.076	0.018	0.080	0.045
30.0	0.187	0.026	0.188	0.154	0.031	0.090	0.025	0.056	0.091	0.082	0.019	0.091	0.049
32.5	0.208	0.029	0.211	0.173	0.035	0.101	0.029	0.064	0.103	0.089	0.021	0.103	0.053
35.0	0.229	0.032	0.236	0.194	0.039	0.113	0.032	0.071	0.115	0.097	0.022	0.116	0.058
37.5	0.253	0.035	0.264	0.217	0.044	0.127	0.036	0.080	0.130	0.106	0.024	0.130	0.064
40.0	0.281	0.039	0.295	0.243	0.049	0.142	0.040	0.090	0.146	0.117	0.027	0.147	0.071
42.5	0.312	0.044	0.331	0.274	0.055	0.161	0.046	0.103	0.166	0.131	0.030	0.165	0.080
45.0	0.350	0.051	0.371	0.311	0.062	0.184	0.051	0.108	0.188	0.146	0.034	0.186	0.090
47.5	0.398	0.052	0.415	0.339	0.068	0.191	0.051	0.108	0.194	0.163	0.038	0.211	0.104
50.0	0.413	0.052	0.462	0.339	0.068	0.191	0.051	0.108	0.194	0.182	0.043	0.244	0.123
52.5	0.413	0.052	0.485	0.339	0.068	0.191	0.051	0.108	0.194	0.207	0.050	0.280	0.147
55.0	0.413	0.052	0.485	0.339	0.068	0.191	0.051	0.108	0.194	0.225	0.060	0.280	0.183
57.5	0.413	0.052	0.485	0.339	0.068	0.191	0.051	0.108	0.194	0.259	0.089	0.280	0.224
60.0	0.413	0.052	0.485	0.339	0.068	0.191	0.051	0.108	0.194	0.337	0.187	0.280	0.297
62.5	0.413	0.052	0.485	0.339	0.068	0.191	0.051	0.108	0.194	0.405	0.279	0.280	0.367

1970 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 280	287	294	301	308	315	322	329	336	343	350	357	364
2.5	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
5.0	2.149	2.149	2.149	2.149	2.061	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
7.5	2.149	2.149	2.149	2.149	1.018	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
10.0	2.149	2.149	2.149	2.149	0.845	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
12.5	2.149	2.149	2.149	2.149	0.958	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
15.0	2.149	2.149	2.149	2.149	1.021	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
17.5	0.057	1.250	2.149	2.149	1.044	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
20.0	0.041	0.112	2.149	2.149	1.056	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
22.5	0.061	0.162	0.159	2.149	0.992	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
25.0	0.074	0.198	0.273	2.149	0.686	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
27.5	0.084	0.223	0.306	0.017	0.029	0.166	2.149	2.149	2.149	2.149	2.149	2.149	2.149
30.0	0.092	0.246	0.338	0.024	0.032	0.111	2.149	2.149	2.149	2.149	2.149	2.149	2.149
32.5	0.101	0.270	0.371	0.026	0.036	0.122	0.032	2.149	2.149	2.149	2.149	2.149	2.149
35.0	0.111	0.296	0.408	0.029	0.039	0.135	0.066	2.149	2.149	2.149	2.149	2.149	2.149
37.5	0.122	0.325	0.449	0.032	0.043	0.150	0.074	2.149	2.149	2.149	2.149	2.149	2.149
40.0	0.136	0.361	0.499	0.035	0.048	0.168	0.083	2.149	2.149	2.149	2.149	2.149	2.149
42.5	0.152	0.404	0.558	0.040	0.055	0.191	0.094	2.149	2.149	2.149	2.149	2.149	2.149
45.0	0.173	0.460	0.638	0.047	0.064	0.223	0.111	2.149	2.149	2.149	2.149	2.149	2.149
47.5	0.201	0.535	0.754	0.058	0.080	0.281	0.143	2.149	2.149	2.149	2.149	2.149	2.149
50.0	0.241	0.650	0.961	0.083	0.114	0.398	0.207	2.149	2.149	2.149	2.149	2.149	2.149
52.5	0.302	0.871	0.391	0.124	0.169	0.584	0.330	2.047	2.149	2.149	2.149	2.149	2.149
55.0	0.428	1.354	2.106	0.152	0.220	0.896	0.532	1.833	2.149	2.149	2.149	2.149	2.149
57.5	0.683	1.988	2.149	0.196	0.336	1.439	0.782	1.243	2.149	2.149	2.149	2.149	2.149
60.0	1.010	2.149	2.149	0.320	0.682	2.081	1.135	1.333	2.149	2.149	2.149	2.149	2.149
62.5	1.237	2.149	2.149	0.423	0.957	2.149	1.336	1.076	2.149	2.149	2.149	2.149	2.149

1971 Daily-Averaged Eddy Diffusion Coefficients ($cm^2 s^{-1}$)

Depth (m)	Day 7	14	21	28	35	42	49	56	63	70	77	84	91
2.5	2.149	2.149	2.149	2.141	2.149	0.561	2.149	2.149	2.149	2.149	2.149	2.149	2.149
5.0	2.149	2.149	2.149	1.785	2.149	0.310	2.149	2.149	2.149	2.149	2.149	2.149	2.149
7.5	2.149	2.149	2.149	1.230	2.149	0.274	1.804	2.149	2.149	2.149	2.149	2.149	2.008
10.0	2.149	2.149	2.149	1.228	2.149	0.256	1.060	2.149	2.149	2.149	2.149	1.841	1.512
12.5	2.149	2.149	2.149	1.391	2.149	0.298	0.679	2.149	2.149	2.149	2.149	1.404	1.224
15.0	2.149	2.149	2.149	1.588	2.149	0.296	0.645	2.149	2.149	2.149	2.149	1.211	1.062
17.5	2.149	2.149	2.149	1.777	2.149	0.321	0.720	2.149	2.149	2.149	2.149	1.110	0.932
20.0	2.149	2.149	2.149	1.943	2.149	0.318	0.828	2.149	2.149	2.149	2.031	1.057	0.840
22.5	2.149	2.149	2.149	2.066	2.149	0.334	0.951	2.149	2.149	2.149	1.964	1.043	0.734
25.0	2.149	2.149	2.149	2.131	2.149	0.362	1.086	2.149	2.149	2.149	1.987	1.059	0.623
27.5	2.149	2.149	2.149	2.149	2.149	0.409	1.227	2.149	2.149	2.149	2.062	1.103	0.577
30.0	2.149	2.149	2.149	2.149	2.149	0.471	1.370	2.149	2.149	2.149	2.137	1.169	0.580
32.5	2.149	2.149	2.149	2.149	2.149	0.546	1.512	2.149	2.149	2.149	2.149	1.253	0.607
35.0	2.149	2.149	2.149	2.149	2.149	0.631	1.649	2.149	2.149	2.149	2.149	1.351	0.649
37.5	2.149	2.149	2.149	2.149	2.149	0.716	1.781	2.149	2.149	2.149	2.149	1.461	0.706
40.0	2.149	2.149	2.149	2.149	2.149	0.800	1.905	2.149	2.149	2.149	2.149	1.581	0.778
42.5	2.149	2.149	2.149	2.149	2.149	0.876	2.023	2.149	2.149	2.149	2.149	1.710	0.838
45.0	2.149	2.149	2.149	2.149	2.149	0.941	2.124	2.149	2.149	2.149	2.149	1.849	0.895
47.5	2.149	2.149	2.149	2.149	2.149	0.995	2.149	2.149	2.149	2.149	2.149	2.002	0.972
50.0	2.149	2.149	2.149	2.149	2.149	1.038	2.149	2.149	2.149	2.149	2.149	2.147	1.068
52.5	2.149	2.149	2.149	2.149	2.149	1.072	2.149	2.149	2.149	2.149	2.149	2.149	1.192
55.0	2.149	2.149	2.149	2.149	2.149	1.097	2.149	2.149	2.149	2.149	2.149	2.149	1.348
57.5	2.149	2.149	2.149	2.149	2.149	1.117	2.149	2.149	2.149	2.149	2.149	2.149	1.551
60.0	2.149	2.149	2.149	2.149	2.149	1.131	2.149	2.149	2.149	2.149	2.149	2.149	1.808
62.5	2.149	2.149	2.149	2.149	2.149	1.138	2.149	2.149	2.149	2.149	2.149	2.149	1.981

1971 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 98	105	112	119	126	133	140	147	154	161	168	175	182
2.5	2.149	2.149	2.149	2.149	2.149	2.149	2.149	1.097	2.149	2.149	2.149	2.149	2.149
5.0	2.149	2.149	2.149	1.771	2.149	2.049	2.149	0.103	2.149	2.123	1.073	2.149	2.120
7.5	2.149	1.572	1.424	0.882	0.741	0.831	2.019	0.084	0.199	0.660	0.314	0.272	0.814
10.0	1.814	0.850	0.324	0.242	0.301	0.556	0.573	0.077	0.083	0.192	0.030	0.023	0.534
12.5	0.981	0.807	0.221	0.110	0.293	0.572	[illegible]	0.034	0.063	0.176	0.027	0.032	0.018
15.0	0.962	0.736	0.233	0.104	0.281	0.622	[illegible]	0.031*	0.059	0.1801	r0.030	0.041	0.034
17.5	1.026	0.566	0.228	0.115	0.277	0.711	0.112	0.036	0.066	0.210	0.036	0.052	0.045
20.0	1.077	0.516	0.230	0.128	0.297	0.711	0.126	0.041	0.077	0.247	0.043	0.065	0.056
22.5	1.108	0.550	0.252	0.143	0.334	0.785	0.144	0.047	0.089	0.288	0.050	0.080	0.069
25.0	1.123	0.595	0.279	0.160	0.378	0.862	0.165	0.054	0.103	0.333	0.058	0.096	0.083
27.5	1.136	0.640	0.306	0.179	0.426	0.974	0.188	0.064	0.119	0.382	0.067	0.114	0.098
30.0	1.165	0.687	0.334	0.199	0.477	1.094	0.215	0.074	0.135	0.431	0.076	0.133	0.115
32.5	1.218	0.739	0.365	0.221	0.532	1.215	0.246	0.080	0.150	0.478	0.085	0.153	0.133
35.0	1.294	0.800	0.400	0.244	0.597	1.341	0.278	0.087	0.166	0.528	0.095	0.175	0.153
37.5	1.388	0.871	0.439	0.271	0.634	1.461	0.299	0.096	0.186	0.587	0.107	0.200	0.179
40.0	1.496	0.946	0.482	0.303	0.686	1.590	0.323	0.106	0.210	0.652	0.119	0.230	0.179
42.5	1.621	1.023	0.531	0.341	0.750	1.727	0.355	0.118	0.229	0.711	0.132	0.230	0.179
45.0	1.770	1.113	0.593	0.384	0.826	1.900	0.397	0.132	0.243	0.766	0.147	0.230	0.179
47.5	1.958	1.228	0.676	0.440	0.919	2.142	0.453	0.152	0.267	0.849	0.171	0.230	0.179
50.0	2.149	1.387	0.791	0.499	1.039	2.149	0.528	0.179	0.306	0.986	0.214	0.230	0.179
52.5	2.149	1.585	0.956	0.549	1.203	2.149	0.643	0.220	0.366	1.231	0.291	0.230	0.179
55.0	2.149	1.770	1.182	0.619	1.436	2.149	0.827	0.289	0.467	1.655	0.414	0.230	0.179
57.5	2.149	2.020	1.471	0.731	1.770	2.149	0.998	0.424	0.670	2.149	0.600	0.230	0.179
60.0	2.149	2.149	1.807	0.904	2.144	2.149	1.223	0.681	1.026	2.149	0.867	0.230	0.179
62.5	2.149	2.149	2.021	1.042	2.149	2.149	1.378	0.871	1.281	2.149	1.057	0.230	0.179

1971 Daily-Averaged Eddy Diffusion Coefficients $(cm^2 s^{-1})$

Depth (m)	Day 189	196	203	210	217	224	231	238	245	252	259	266	273
2.5	2.118	0.518	2.146	0.387	2.129	2.072	2.149	2.149	2.149	2.149	2.149	2.149	2.149
5.0	0.924	0.077	1.807	0.440	1.247	1.828	2.149	2.149	2.149	2.149	2.149	2.149	2.149
7.5	0.401	0.088	0.050	0.004	0.045	0.056	2.096	2.149	2.149	2.149	2.149	2.149	2.149
10.0	0.274	0.104	0.111	0.006	0.029	0.046	0.051	2.149	2.149	1.909	2.149	2.100	2.149
12.5	0.006	0.006	0.024	0.002	0.008	0.013	0.015	0.016	0.037	0.013	0.099	0.148	2.149
15.0	0.012	0.011	0.041	0.004	0.013	0.023	0.027	0.030	0.053	0.017	0.053	0.054	2.149
17.5	0.016	0.015	0.059	0.006	0.019	0.034	0.041	0.045	0.079	0.025	0.076	0.081	0.005
20.0	0.021	0.020	0.077	0.007	0.026	0.046	0.055	0.061	0.109	0.034	0.103	0.110	0.012
22.5	0.025	0.024	0.095	0.009	0.032	0.058	0.070	0.078	0.140	0.044	0.133	0.143	0.016
25.0	0.031	0.029	0.115	0.011	0.039	0.071	0.086	0.096	0.174	0.054	0.166	0.178	0.019
27.5	0.036	0.035	0.136	0.013	0.047	0.086	0.103	0.116	0.210	0.066	0.201	0.216	0.024
30.0	0.042	0.041	0.160	0.016	0.055	0.101	0.122	0.139	0.251	0.078	0.238	0.256	0.028
32.5	0.049	0.047	0.187	0.019	0.065	0.119	0.146	0.162	0.293	0.091	0.276	0.297	0.032
35.0	0.058	0.055	0.208	0.022	0.075	0.134	0.155	0.162	0.331	0.103	0.315	0.339	0.037
37.5	0.064	0.061	0.217	0.023	0.075	0.134	0.155	0.162	0.364	0.115	0.354	0.383	0.042
40.0	0.064	0.061	0.217	0.023	0.075	0.134	0.155	0.162	0.368	0.128	0.395	0.427	0.047
42.5	0.064	0.061	0.217	0.023	0.075	0.134	0.155	0.162	0.368	0.132	0.436	0.475	0.053
45.0	0.064	0.061	0.217	0.023	0.075	0.134	0.155	0.162	0.368	0.132	0.477	0.531	0.054
47.5	0.064	0.061	0.217	0.023	0.075	0.134	0.155	0.162	0.368	0.132	0.520	0.542	0.054
50.0	0.064	0.061	0.217	0.023	0.075	0.134	0.155	0.162	0.368	0.132	0.530	0.542	0.054
52.5	0.064	0.061	0.217	0.023	0.075	0.134	0.155	0.162	0.368	0.132	0.530	0.542	0.054
55.0	0.064	0.061	0.217	0.023	0.075	0.134	0.155	0.162	0.368	0.132	0.530	0.542	0.054
57.5	0.064	0.061	0.217	0.023	0.075	0.134	0.155	0.162	0.368	0.132	0.530	0.542	0.054
60.0	0.064	0.061	0.217	0.023	0.075	0.134	0.155	0.162	0.368	0.132	0.530	0.542	0.054
62.5	0.064	0.061	0.217	0.023	0.075	0.134	0.155	0.162	0.368	0.132	0.530	0.542	0.054

1971 Daily-Averaged Eddy Diffusion Coefficients ($cm^2\ s^{-1}$)

Depth (m)	Day 280	287	294	301	308	315	322	329	336	343	350	357	364
2.5	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
5.0	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
7.5	0.651	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
10.0	0.756	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
12.5	0.878	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
15.0	0.621	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
17.5	0.011	0.020	0.026	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
20.0	0.022	0.037	0.025	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
22.5	0.030	0.052	0.037	0.023	0.161	2.109	2.149	2.149	2.149	2.149	2.149	2.149	2.149
25.0	0.038	0.066	0.049	0.068	0.127	1.573	2.149	2.149	2.149	2.149	2.149	2.149	2.149
27.5	0.046	0.080	0.059	0.081	0.150	0.018	0.053	2.149	2.149	2.149	2.149	2.149	2.149
30.0	0.054	0.095	0.070	0.095	0.175	0.033	0.059	0.321	2.149	2.149	2.149	2.149	2.149
32.5	0.063	0.111	0.080	0.109	0.200	0.038	0.067	0.280	0.664	2.149	2.149	2.149	2.149
35.0	0.072	0.127	0.090	0.123	0.226	0.043	0.076	0.315	0.159	2.149	2.149	2.149	2.149
37.5	0.082	0.145	0.101	0.138	0.253	0.048	0.085	0.353	0.177	2.149	2.149	2.149	2.149
40.0	0.093	0.163	0.113	0.154	0.282	0.054	0.096	0.394	0.199	2.149	2.149	2.149	2.149
42.5	0.105	0.185	0.126	0.172	0.315	0.060	0.107	0.441	0.224	2.149	2.149	2.149	2.149
45.0	0.109	0.198	0.139	0.190	0.350	0.068	0.121	0.500	0.258	2.149	2.149	2.149	2.149
47.5	0.109	0.198	0.151	0.211	0.397	0.079	0.141	0.597	0.318	2.149	2.149	2.149	2.149
50.0	0.109	0.198	0.164	0.241	0.477		0.182	0.797	0.445	2.149	2.149	2.149	2.149
52.5	0.109	0.198	0.182	0.298	0.642	0.145	0.272	1.181	0.668	2.149	2.149	2.149	2.149
55.0	0.109	0.198	0.210	0.409	0.947	0.234	0.462	1.707	1.001	2.149	2.149	2.149	2.149
57.5	0.109	0.198	0.276	0.608	1.370	0.380	0.803	2.149	1.462	2.149	2.149	2.149	2.149
60.0	0.109	0.198	0.437	0.865	1.787	0.613	1.259	2.149	1.995	2.149	2.149	2.149	2.149
62.5	0.109	0.198	0.574	0.998	2.032	0.785	1.552	2.149	2.149	2.149	2.149	2.149	2.149

1972 Daily-Averaged Eddy Diffusion Coefficients $(\text{cm}^2\ \text{s}^{-1})$

| Depth (m)	Day 7	14	21	28	35	42	49	56	63	70	77	84	91
2.5	2.149	2.149	2.149	2.149	2.149	2.149	0.697	2.149	2.149	0.905	0.152	2.149	1●314
5.0	2.149	2.149	2.149	2.149	2.149	□●▥▥▥	0.727	2.149	2.149	0.407	0.067	2.149	0.294
7.5	2.149	2.149	2.149	2.149	2.149	1●725	□●▥▥	2.149	2.149	0●407	0.083	2.149	0.252
10.0	2.149	2.149	2.149	2.149	2.149	1●488	0.346	2.149	2.149	0.385	0.117	2.149	0.237
12.5	2.149	2.149	2.149	2.149	2.149	1.316	0.239	2.149	2.149	0.338	0.146	2.149	0.122
15.0	2.149	2.149	2.149	2.149	2.149	1●239	0.179	2.149	2.149	0.300	0.165	2.149	0.093
17.5	2.149	2.149	2.149	2.149	2.149	1.253	0.156	2.149	2.149	0.276	0.176	2.149	0.105
20.0	2.149	2.149	2.149	2.149	2.149	1●328	0.149	2.149	2.149	0.253	0.179	2.149	0.116
22.5	2.149	2.149	2.149	2.149	2.149	1●437	0.146	2.149	2.149	0●237	0.177	2.149	0.137
25.0	2.149	2.149	2.149	2.149	2.149	1●560	0.146	2.149	2.149	0.212	0.166	2.149	0.159
27.5	2.149	2.149	2.149	2.149	2.149	1●682	0.147	2.149	2.149	0.187	0.152	2.149	0.182
30.0	2.149	2.149	2.149	2.149	2.149	1●797	0.151	2.149	2.149	0.166	0.138	2.149	0.205
32.5	2.149	2.149	2.149	2.149	2.149	1.903	0.159	2.149	2.149	0.152	0.127	2.149	0.225
35●□	2.149	2.149	2.149	2.149	2.149	1●996	0.170	2.149	2.149	0.143	0.121	2.149	0.244
37.5	2.149	2.149	2.149	2.149	2.149	2.075	0.184	2.149	2.149	0.140	0.119	2.149	0.262
40.0	2.149	2.149	2.149	2.149	2.149	2.129	0.204	2.149	2.149	0.140	0.120	2.149	0.280
42.5	2.149	2.149	2.149	2.149	2.149	2.148	0.225	2.149	2.149	0.145	0.124	2.149	0.299
45.0	2.149	2.149	2.149	2.149	2.149	2.149	0.247	2.149	2.149	0.153	0.131	2.149	0.323
47.5	2.149	2.149	2.149	2.149	2.149	2.149	0.278	2.149	2.149	0.165	0.143	2.149	0.353
50.0	2.149	2.149	2.149	2.149	2.149	2.149	0.315	2.149	2.149	0.183	0.160	2.149	0.397
52.5	2.149	2.149	2.149	2.149	2.149	2.149	0.363	2.149	2.149	0.211	0.187	2.149	0.463
55.0	2.149	2.149	2.149	2.149	2.149	2.149	0.422	2.149	2.149	0.250	0.231	2.149	0.567
57.5	2.149	2.149	2.149	2.149	2.149	2.149	0.495	2.149	2.149	0.292	0.306	2.149	0.727
60.0	2.149	2.149	2.149	2.149	2.149	2.149	0.581	2.149	2.149	0.366	0.441	2.149	0.944
62.5	2.149	2.149	2.149	2.149	2.149	2.149	0.642	2.149	2.149	0.424	0.539	2.149	1●088

$$1972 \text{ Daily-Averaged Eddy Diffusion Coefficients } (cm^2\ s^{-1})$$

Depth (m)	Day 98	105	112	119	126	133	140	147	154	161	168	175	182
2.5	2.149	2.149	2.149	2.149	0.036	0.034	2.149	0.177	2.149	2.149	2.149	2.149	2.149
5.0	2.149	2.149	2.149	2.149	0.062	0.063	1.584	0.103	1.557	2.149	2.149	2.149	0.604
7.5	2.149	2.149	2.149	2.149	0.094	0.045	0.154	0.056	0.060	0.068	0.149	1.913	0.458
10.0	2.088	2.149	2.149	2.149	0.099	0.067	0.112	0.004	0.074	0.098	0.036	1.101	0.612
12.5	1.207	1.828	2.149	2.086	0.107	0.088	0.130	0.006	0.093	0.131	0.053	0.057	0.023
15.0	1.052	0.962	2.149	2.052	0.124	0.104	0.140	0.008	0.120	0.169	0.069	0.091	0.045
17.5	1.171	0.708	1.853	1.719	0.141	0.120	0.148	0.010	0.147	0.211	0.086	0.116	0.063
20.0	1.340	0.577	1.488	1.623	0.158	0.139	0.157	0.012	0.177	0.256	0.105	0.142	0.078
22.5	1.527	0.569	1.496	1.588	0.179	0.159	0.169	0.015	0.210	0.306	0.126	0.171	0.094
25.0	1.719	0.619	1.613	1.640	0.207	0.183	0.184	0.017	0.248	0.361	0.149	0.203	0.112
27.5	1.905	0.664	1.757	1.761	0.241	0.211	0.203	0.020	0.289	0.421	0.174	0.237	0.131
30.0	2.064	0.729	1.928	1.909	0.282	0.243	0.222	0.023	0.335	0.489	0.202	0.275	0.152
32.5	2.148	0.803	2.138	2.084	0.327	0.279	0.243	0.026	0.385	0.569	0.233	0.316	0.175
35.0	2.149	0.889	2.149	2.149	0.353	0.316	0.265	0.030	0.440	0.665	0.265	0.363	0.202
37.5	2.149	0.979	2.149	2.149	0.355	0.336	0.290	0.034	0.502	0.683	0.299	0.409	0.231
40.0	2.149	1.073	2.149	2.149	0.355	0.339	0.317	0.038	0.575	0.683	0.338	0.411	0.232
42.5	2.149	1.173	2.149	2.149	0.355	0.339	0.338	0.043	0.596	0.683	0.359	0.411	0.232
45.0	2.149	1.285	2.149	2.149	0.355	0.339	0.355	0.044	0.596	0.683	0.359	0.411	0.232
47.5	2.149	1.414	2.149	2.149	0.355	0.339	0.373	0.044	0.596	0.683	0.359	0.411	0.232
50.0	2.149	1.568	2.149	2.149	0.355	0.339	0.406	0.044	0.596	0.683		0.411	0.232
52.5	2.149	1.767	2.149	2.149	0.355	0.339	0.457	0.044	0.596	0.683		0.411	0.232
55.0	2.149	2.047	2.149	2.149	0.355	0.339	0.536	0.044	0.596	0.683		0.411	0.232
57.5	2.149	2.149	2.149	2.149	0.355	0.339	0.672	0.044	0.596	0.683		0.411	0.232
60.0	2.149	2.149	2.149	2.149	0.355	0.339	0.926	0.044	0.596	0.683		0.411	0.232
62.5	2.149	2.149	2.149	2.149	0.355	0.339	1.118	0.044	0.596	0.683		0.411	0.232

1972 Daily-Averaged Eddy Diffusion Coefficients $(cm^2 s^{-1})$

Depth (m)	Day 189	196	203	210	217	224	231	238	245	252	259	266	273
2.5	2.149	2.149	2.149	2.149	1.442	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
5.0	2.149	1.321	1.283	2.149	0.472	2.149	2.149	1.299	2.149	2.149	2.149	2.149	2.149
7.5	0.069	0.789	0.094	0.258	0.199	0.272	2.149	0.569	2.149	2.149	0.710	2.149	2.149
10.0	0.139	0.096	0.105	0.098	0.019	0.047	▯▯▯	0.482	2.149	2.149	0.290	2.149	2.149
12.5	0.016	0.014	0.020	0.024	0.006	0.015	0.013	0.010	0.040	0.038	0.008	1.061	2.149
15.0	0.031	0.027	0.038	0.044	0.011	0.028	0.026	0.019	0.074	0.056	0.010	0.067	2.131
17.5	0.044	0.040	0.056	0.066	0.017	0.042	0.039	▯▯▯	0.115	0.086	0.015	0.103	0.021
20.0	0.056	0.051	0.073	0.087	0.023	0.057	0.053	0.040	0.159	0.119	0.020	0.142	0.038
22.5	0.068	0.063	▯▯▯	0.108	0.029	0.071	0.067	0.050	0.203	0.153	0.026	0.185	0.052
25.0	0.080	0.075	0.108	0.130	0.034	0.086	0.082	0.062	0.249	0.189	0.033	0.231	0.065
27.5	0.094	0.088	0.126	0.153	0.041	0.102	0.097	0.074	0.301	0.228	0.040	0.278	▯▯▯
30.0	0.109	0.102	0.147	0.178	0.047	0.120	0.116	0.088	0.359	0.270	0.047	0.328	▯▯▯
32.5	0.126	0.118	0.171	0.208	0.055	0.141	0.126	0.095	0.398	0.310	0.053	0.377	0.107
35.0	0.146	0.137	0.199	0.236	0.061	0.149	0.126	0.095	0.398	0.345	0.060	0.427	0.122
37.5	0.162	0.144	0.202	0.236	0.061	0.149	0.126	0.095	0.398	0.375	0.066	0.477	0.136
40.0	0.162	0.144	0.202	0.236	0.061	0.149	0.126	0.095	0.398	0.379	0.073	0.527	0.151
42.5	0.162	0.144	0.202	0.236	0.061	0.149	0.126	▯▯▯	0.398	0.379	0.076	0.581	0.169
45.0	0.162	0.144	0.202	0.236	0.061	0.149	0.126	▯▯▯	0.398	0.379	0.076	0.644	0.187
47.5	0.162	0.144	0.202	0.236	0.061	0.149	0.126	▯▯▯	0.398	0.379	0.076	0.673	0.203
50.0	0.162	0.144	0.202	0.236	0.061	0.149	0.126	▯▯▯	0.398	0.379	0.076	0.673	0.212
52.5	0.162	0.144	0.202	0.236	0.061	0.149	0.126	▯▯▯	0.398	0.379	0.076	0.673	0.212
55.0	0.162	0.144	0.202	0.236	0.061	0.149	0.126	▯▯▯	0.398	0.379	0.076	0.673	0.212
57.5	0.162	0.144	0.202	0.236	0.061	0.149	0.126	▯▯▯	0.398	0.379	0.076	0.673	0.212
60.0	0.162	0.144	0.202	0.236	0.061	0.149	0.126	▯▯▯	0.398	0.379	0.076	0.673	0.212
62.5	0.162	0.144	0.202	0.236	0.061	0.149	0.126	▯▯▯	0.398	0.379	0.076	0.673	0.212

1972 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 280	287	294	301	308	315	322	329	336	343	350	357	364
2.5	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	1.562	2.149
5.0	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	0.901	2.149
7.5	2.149	2.149	2.149	2.149	1.968	2.149	2.149	2.149	2.149	2.149	2.149	0.538	2.149
10.0	2.149	2.149	2.149	2.149	1.746	2.149	2.149	2.149	2.149	2.149	2.149	0.504	2.149
12.5	2.149	2.107	2.149	2.149	1.772	2.149	2.149	2.149	2.149	2.149	2.149	0.574	2.149
15.0	2.149	1.755	2.149	2.149	1.824	2.149	2.149	2.149	2.149	2.149	2.149	0.679	1.774
17.5	0.029	0.033	0.075	0.335	1.694	2.149	2.149	2.149	2.149	2.149	2.149	0.799	1.044
20.0	0.046	0.031	0.066	0.129	1.091	2.149	2.149	2.149	2.149	2.149	2.149	0.928	0.993
22.5	0.065	0.045	0.099	0.192	0.014	0.035	0.054	1.877	2.149	2.149	2.149	1.057	1.080
25.0	0.082	0.058	0.127	0.246	0.038	0.066	0.033	0.753	2.149	2.149	2.149	1.184	1.204
27.5	0.100	0.071	0.154	0.295	0.045	0.076	0.038	0.049	0.427	2.149	2.149	1.302	1.345
30.0	0.117	0.082	0.178	0.341	0.052	0.088	0.044	0-m 069	▯ ◆ ▮	2.149	2.149	1.411	1.495
32.5	0.136	0.093	0.202	0.385	0.059	0.100	0.050	▯ ◆ ▮	▯▮▯	2.149	2.149	1.507	1.648
35.0	0.154	0.104	0.225	0.428	0.066	0.111	0.056	0.088	0.622	2.149	2.149	1.590	▯ ◆ ▮
37.5	0.174	0.114	0.248	0.472	0.073	0.124	0.062	0.098	0.689	2.149	2.149	1.660	1.942
40.0	0.193	0.126	0.273	0.519	0.080	0.137	0.069	0.109	0.763	2.149	2.149	1.717	2.081
42.5	0.215	0.139	0.302	0.575	0.090	0.154	0.078	0.123	0.853	2.149	2.149	1.762	2.148
45.0	0.239	0.157	0.339	0.641	0.101	0.174	0.089	0.140	0.971	2.149	2.149	1.797	2.149
47.5	0.265	0.173	0.375	0.711	0.114	0.200	0.105	0.167	1.166	2.149	2.149	1.824	2.149
50.0	0.293	0.189	0.413	0.793	0.133	0.250	0.138	0.225	1.602	2.149	2.149	1.843	2.149
52.5	0.293	0.211	0.468	0.937	0.174	0.364	0.213	0.355	2.149	2.149	2.149	1.857	2.149
55.0	0.293	0.251	0.579	1.298	0.284	0.566	0.345	0.592	2.149	2.149	2.149	1.867	2.149
57.5	0.293	0.341	0.852	2.078	0.506	0.842	0.537	0.938	2.149	2.149	2.149	1.874	2.149
60.0	0.293	0.419	1.382	2.149	0.851	1.230	0.718	1.341	2.149	2.149	2.149	1.879	2.149
62.5	0.293	0.478	1.765	2.149	1.095	1.496	0.826	1.577	2.149	2.149	2.149	1.882	2.149

1973 Daily-Averaged Eddy Diffusion Coefficients $(cm^2 \, s^{-1})$

Depth (m)	Day 7	14	21	28	35	42	49	56	63	70	77	84	91
2.5	2.149	1.026	1.878	1.308	2.149	2.149	2.149	1.280	2.149	2.149	2.149	2.126	2.149
5.0	2.149	0.615	1.793	1.242	2.149	2.117	2.149	0.232	2.149	1.565	2.149	1.113	2.149
7.5	2.149	0.641	1.749	1.301	2.149	2.033	1.553	0.207	1.509	0.743	2.149	0.594	2.003
10.0	2.149	0.763	1.715	1.355	2.149	1.795	1.073	0.208	0.682	0.393	2.149	0.528	1.232
12.5	2.149	0.901	1.583	1.386	2.149	1.445	1.110	0.183	0.402	0.168	2.149	0.491	0.549
15.0	2.149	1.036	1.174	1.407	1.898	1.170	1.220	0.147	0.390	0.121	2.149	0.428	0.237
17.5	2.149	1.154	0.758	1.424	1.646	1.086	1.319	0.140	0.383	0.134	1.332	0.286	0.202
20.0	2.149	1.253	0.569	1.429	1.586	1.082	1.410	0.157	0.422	0.154	0.926	0.166	0.169
22.5	2.149	1.331	0.482	1.388	1.600	1.145	1.505	0.182	0.464	0.177	0.998	0.165	0.174
25.0	2.149	1.391	0.469	1.194	1.590	1.212	1.605	0.210	0.525	0.204	1.128	0.191	0.200
27.5	2.149	1.437	0.478	0.539	1.545	1.258	1.701	0.236	0.595	0.234	1.267	0.220	0.231
30.0	2.149	1.472	0.531	0.285	1.477	1.265	1.783	0.260	0.673	0.269	1.408	0.251	0.264
32.5	2.149	1.499	0.603	0.276	1.401	1.229	1.845	0.288	0.757	0.309	1.548	0.283	0.298
35.0	2.149	1.519	0.708	0.253	1.316	1.166	1.881	0.318	0.845	0.345	1.689	0.318	0.335
37.5	2.149	1.534	0.833	0.253	1.238	1.095	1.894	0.350	0.936	0.370	1.835	0.356	0.374
40.0	2.149	1.544	0.973	0.261	1.182	1.035	1.892	0.381	1.030	0.406	1.996	0.398	0.417
42.5	2.149	1.552	1.119	0.279	1.150	0.994	1.886	0.412	1.126	0.451	2.144	0.440	0.466
45.0	2.149	1.558	1.261	0.305	1.144	0.975	1.890	0.443	1.229	0.507	2.149	0.482	0.525
47.5	2.149	1.562	1.392	0.338	1.167	0.980	1.918	0.477	1.341	0.575	2.149	0.530	0.604
50.0	2.149	1.564	1.507	0.382	1.220	1.010	1.983	0.519	1.468	0.653	2.149	0.596	0.714
52.5	2.149	1.566	1.603	0.433	1.305	1.064	2.094	0.575	1.614	0.747	2.149	0.700	0.861
55.0	2.149	1.567	1.684	0.500	1.416	1.148	2.149	0.659	1.783	0.859	2.149	0.875	1.018
57.5	2.149	1.568	1.748	0.583	1.547	1.268	2.149	0.785	1.980	1.005	2.149	1.153	1.178
60.0	2.149	1.569	1.799	0.690	1.705	1.424	2.149	0.951	2.149	1.189	2.149	1.507	1.398
62.5	2.149	1.569	1.828	0.765	1.810	1.530	2.149	1.061	2.149	1.319	2.149	1.736	1.556

1973 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 98	105	112	119	126	133	140	147	154	161	168	175	182
2.5	1.667	2.149	2.149	2.149	2.149	0.034	2.149	2.149	2.149	2.149	2.149	2.113	2.149
5.0	0.708	2.149	2.149	1.795	2.149	0.078	2.149	2.149	1.593	2.149	2.149	1.320	2.149
7.5	0.393	0.773	2.121	0.900	1.455	0.108	0.172	0.470	1.018	2.149	2.149	0.023	0.124
10.0	0.210	0.348	1.280	0.148	0.295	0.105	0.127	0.038	0.023	0.091	2.149	0.026	0.065
12.5	0.087	0.310	0.538	0.085	0.221	0.060	0.112	0.038	0.028	0.114	▯▯▯	0.012	0.042
15.0	0.066	0.292	0.246	0.054	0.171	0.065	0.099	0.038	0.035	0.144	▯▯▯	0.012	0.041
17.5	0.059	0.291	0.269	0.062	0.204	0.084	0.101	0.040	0.043	0.180	0.101	0.014	0.049
20.0	0.057	0.298	0.300	0.072	0.242	0.107	0.114	0.047	0.054	0.224	0.126	0.017	0.059
22.5	0.062	0.331	0.346	0.085	0.289	0.134	0.134	0.056	0.066	0.275	0.155	0.020	0.070
25.0	0.071	0.385	0.403	0.101	0.345	0.164	0.156	0.065	0.080	0.333	0.186	0.024	0.084
27.5	0.083	0.445	0.464	0.118	0.403	0.196	0.178	0.075	▯▯▯	0.396	0.222	0.028	0.097
30.0	0.095	0.507	0.528	0.136	0.464	0.232	0.203	0.086	0.112	0.463	0.259	0.030	0.108
32.5	0.108	0.571	0.594	0.155	0.528	0.271	0.231	0.098	0.129	0.536	0.300	0.033	0.118
35.0	0.122	0.638	0.667	0.176	0.597	0.312	0.262	0.110	0.147	0.613	0.345	0.036	0.128
37.5	0.137	0.711	0.749	0.200	0.675	0.337	0.272	0.116	0.164	0.699	0.395	0.038	0.139
40.0	0.155	0.795	0.847	0.229	0.762	0.341	0.288	0.124	0.183	0.797	0.456	0.042	0.154
42.5	0.177	0.894	0.956	0.261	0.861	0.341	0.308	0.134	0.206	0.903	0.485	0.047	0.173
45.0	0.205	1.014	1.064	0.299	0.981	0.341	0.336	0.147	0.226	▯▯▯	0.485	0.052	0.195
47.5	▯▯▯	1.164	1.176	0.349	1.140	0.341	0.371	0.165	0.226	▯▯▯	0.485	0.058	0.209
50.0	0.281	1.361	1.319	0.425	1.360	0.341	0.419	0.191	0.226	▯▯▯	0.485	0.065	0.225
52.5	0.336	1.615	1.529	0.525	1.668	0.341	0.484	0.234	0.226	▯▯▯	0.485	0.073	0.252
55.0	0.404	1.912	1.855	0.622	2.101	0.341	0.574	0.323	0.226	▯▯▯	0.485	0.084	0.295
57.5	0.500	2.148	2.149	0.771	2.149	0.341	0.722	0.516	0.226	▯▯▯	0.485	0.101	0.367
60.0	0.658	2.149	2.149	1.022	2.149	0.341	0.924	0.827	0.226	▯▯▯	0.485	0.131	0.515
62.5	0.773	2.149	2.149	1.201	2.149	0.341	1.040	1.052	0.226	▯▯▯	0.485	0.157	0.638

1973 Daily-Averaged Eddy Diffusion Coefficients ($cm^2\ s^{-1}$)

Depth (m)	Day 189	196	203	210	217	224	231	238	245	252	259	266	273
2.5	2.149	0.399	2.149	0.666	2.149	0.803	2.149	2.149	2.149	2.149	2.149	2.149	2.149
5.0	0.936	0.214	2.149	0.163	2.149	0.817	2.149	2.149	2.149	1.579	2.149	2.149	2.149
7.5	0.110	0.116	0.180	0.135	0.232	0.881	2.149	0.702	1.064	1.518	1.839	2.149	2.149
10.0	0.036	0.026	0.045	0.023	0.031	0.825	2.149	0.258	1.111	[illegible]	1.343	2.149	2.149
12.5	0.020	0.014	0.025	0.013	0.018	0.003	0.009	0.004	0.006	0.008	0.007	0.024	0.067
15.0	0.025	0.020	0.036	0.019	0.027	0.006	0.017	0.007	0.009	0.012	0.010	0.028	0.028
17.5	0.032	0.026	0.048	0.026	0.037	0.008	0.024	0.009	0.012	0.018	0.014	0.039	0.040
20.0	0.041	0.033	0.061	0.033	0.047	0.011	0.031	0.012	0.016	0.023	0.018	0.052	0.053
22.5	0.051	0.041	0.076	0.041	0.059	0.014	0.038	0.015	0.020	0.029	0.023	0.066	0.067
25.0	0.062	0.050	0.092	0.050	0.072	0.017	0.047	0.019	0.025	0.036	0.028	0.081	0.083
27.5	0.073	0.060	0.110	0.060	0.085	0.020	0.056	0.022	0.030	0.043	0.033	0.097	[illegible]
30.0	0.084	0.069	0.128	0.069	0.100	0.023	0.065	0.026	0.035	0.050	[illegible]	0.114	0.117
32.5	0.096	0.079	0.146	0.080	0.115	0.027	0.076	0.030	0.041	[illegible]	0.046	0.133	0.136
35.0	0.108	[illegible]	0.166	0.091	0.130	[illegible]	0.088	0.035	0.047	0.068	0.053	0.154	0.157
37.5	0.122	0.101	0.188	0.103	0.148	[illegible]	0.093	0.038	0.054	0.077	0.061	0.175	0.178
40.0	0.137	0.114	0.214	0.117	0.170	[illegible]	0.093	0.038	0.057	0.082	0.066	0.195	0.200
42.5	0.154	0.129	0.242	0.131	0.180	[illegible]	0.093	0.038	0.057	0.082	0.066	0.215	0.221
45.0	0.173	0.145	0.252	0.131	0.180	[illegible]	0.093	0.038	0.057	0.082	0.066	0.234	0.243
47.5	0.193	0.145	0.252	0.131	0.180	[illegible]	0.093	0.038	0.057	0.082	0.066	0.243	0.269
50.0	0.201	0.145	0.252	0.131	0.180	[illegible]	0.093	0.038	0.057	0.082	0.066	0.243	0.278
52.5	0.201	0.145	0.252	0.131	0.180	[illegible]	0.093	0.038	0.057	0.082	0.066	0.243	0.278
55.0	0.201	0.145	0.252	0.131	0.180	[illegible]	0.093	0.038	0.057	0.082	0.066	0.243	0.278
57.5	0.201	0.145	0.252	0.131	0.180	[illegible]	0.093	0.038	0.057	0.082	0.066	0.243	0.278
60.0	0.201	0.145	0.252	0.131	0.180	[illegible]	[illegible]	0.038	0.057	0.082	0.066	0.243	0.278
62.5	0.201	0.145	0.252	0.131	0.180	[illegible]	[illegible]	0.038	0.057	0.082	0.066	0.243	0.278

1973 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 280	287	294	301	308	315	322	329	336	343	350	357	364
2.5	2.149	2.149	2 ml49	2.149	2.149	1● 606	2.149	2.149	2.149	2.149	1.168	2.149	2.149
5.0	2.149	2.149	2.149	2.149	2.149	1 ml32	2.149	2.149	2.149	2.149	1.168	2.149	2.149
7.5	2.149	2.149	2.149	2.149	2.149	0.940	2.149	2.149	2.149	2.149	1 ml68	2.149	2.149
10.0	2.149	2.149	2.078	2.149	2.149	0.974	2.149	2.149	2.149	2.149	1 .168	2.149	2.149
12.5	2.149	2.149	0.730	2.149	2.149	1● 067	2.149	2.149	2.149	2.149	1.168	2.149	2.149
15.0	2.149	2.149	0.338	2.086	2.149	1.131	2.149	2.149	2.149	2.149	1.168	2.149	2.149
17.5	0.024	0.027	0.021	0.127	2.149	1● 085	2.149	2.149	2.149	2.149	1.168	2.149	2.149
20.0	0.045	0● 038	▯●▯▯	0.106	2.149	0.790	2.149	2.149	2.149	2.149	1.168	2.149	2.149
22.5	0.060	0.052	0● o40	0.150	0.081	0.028	2.149	2.149	2.149	2.149	1.168	2.149	2.149
25.0	0● o74	0.065	0.051	0.188	0.167	0.009	2.149	2.149	2.149	2.149	1.168	2.149	2.149
27.5	0.089	0.078	0● 061	0.224	0.195	0.010	0.071	2.149	2.149	2.149	1.168	2.149	2.149
30.0	0.105	0.093	0.071	0.261	0.227	0.011	0.073	2.149	2.149	2.149	1 ml68	2.149	2.149
32.5	0.122	0.108	0.081	0.299	0.259	0.013	0.083	0.162	2.149	2.149	1.156	2.149	2.149
35.0	0.141	0.124	▯●▯▯	0.337	0.293	0● o14	▯●▯▯	0.142	0.467	2.149	1.159	2.149	2.149
37● 5	0.160	0.141	0.103	0.377	0.328	0.016	0.105	0.159	0.366	2.081	1.160	2.149	2.149
40.0	0.180	0.158	0.115	0.419	0.366	0.018	0.118	0.179	0.409	1● 809	1.148	2.149	2.149
42.5	0.201	0.178	0.128	0● 464	0.407	0.020	0.133	0.202	0.462	0.073	▯● 084	2.149	2.149
45.0	0.225	0.198	0.142	0.515	0.455	0.022	0.152	0.233	0.535	0.141	0.807	2.149	2.149
47.5	0.236	0.220	0.157	0.575	0● 518	0.026	0.184	0.288	0.667	0.183	0.005	0.556	2.149
50.0	0.236	0.245	0.176	0.651	0.621	0.032	0.248	0.400	0.932	0.269	0.011	0.373	2.149
52.5	0● 236	0.270	0.199	0.768	▯●▯▯	0● o47	0.375	0.605	▯● 408	0.411	0.017	0.580	2.149
55.0	0.236	0.270	0.222	1 moo7	1● 223	0.076	0.562	0.924	2.101	0.585	0.026	0.928	2.149
57.5	0.236	0.270	0.276	1● 487	1● 535	0.130	0.743	1.346	2.149	0.822	0● 042	1● 465	2.149
60.0	0.236	0.270	0● 437	2.127	1● 925	0.221	1● 018	1● 841	2.149	1.217	0.069	▯●▯▯	2.149
62.5	0.236	0.270	0.582	2.149	2.108	0.296	1.218	2.137	2.149	1● 495	▯●▯▯	2.149	2.149

1974 Daily-Averaged Eddy Diffusion Coefficients $(cm^2\ s^{-1})$

Depth (m)	Day 7	14	21	28	35	42	49	56	63	70	77	84	91
2.5	2.149	2.149	2.149	2.149	2.149	2.149	2.149	1.366	2.149	0.464	2.099	0.840	2.149
5.0	2.149	2.149	2.149	2.149	2.149	2.149	2.130	0.916	2.149	0.292	1.446	0.268	2.149
7.5	2.149	2.149	2.149	2.149	2.149	2.149	1.689	0.825	2.149	0.316	0.870	0.120	2.149
10.0	2.149	2.149	2.149	2.149	2.149	2.149	1.247	0.853	2.149	0.364	0.502	0.087	1.214
12.5	2.149	2.149	2.149	2.149	2.149	2.149	0.962	0.809	2.149	0.430	0.416	0.090	0.689
15.0	2.149	2.149	2.149	2.149	2.149	2.149	0.857	0.612	2.149	0.501	0.392	0.100	0.787
17.5	2.149	2.149	2.149	2.149	2.149	2.133	0.812	0.362	2.149	0.557	0.391	0.114	0.927
20.0	2.149	2.149	2.149	2.149	2.149	1.862	0.811	0.234	2.149	0.572	0.415	0.131	1.073
22.5	2.149	2.149	2.149	2.149	2.149	1.661	0.815	0.197	2.149	0.517	0.451	0.150	1.220
25.0	2.149	2.149	2.149	2.149	2.149	1.615	0.811	0.193	2.149	0.382	0.490	0.171	1.365
27.5	2.149	2.149	2.149	2.149	2.149	1.632	0.792	0.193	2.149	0.212	0.521	0.191	1.501
30.0	2.149	2.149	2.149	2.149	2.149	1.664	0.760	0.196	2.149	0.123	0.538	0.207	1.624
32.5	2.149	2.149	2.149	2.149	2.149	1.694	0.712	0.201	2.149	0.092	0.535	0.218	1.732
35.0	2.149	2.149	2.149	2.149	2.149	1.717	0.683	0.208	2.149	0.077	0.515	0.223	1.825
37.5	2.149	2.149	2.149	2.149	2.131	1.735	0.683	0.216	2.149	0.070	0.483	0.221	1.909
40.0	2.149	2.149	2.149	2.149	2.110	1.753	0.706	0.227	2.149	0.063	0.450	0.216	1.991
42.5	2.149	2.149	2.149	2.149	2.090	1.777	0.744	0.239	2.149	0.062	0.426	0.212	2.081
45.0	2.149	2.149	2.149	2.149	2.121	1.815	0.787	0.254	2.149	0.066	0.416	0.212	2.149
47.5	2.149	2.149	2.149	2.149	2.145	1.875	0.832	0.273	2.149	0.070	0.423	0.220	2.149
50.0	2.149	2.149	2.149	2.149	2.149	1.965	0.892	0.299	2.149	0.076	0.449	0.242	2.149
52.5	2.149	2.149	2.149	2.149	2.149	2.093	0.972	0.334	2.149	0.084	0.502	0.287	2.149
55.0	2.149	2.149	2.149	2.149	2.149	2.149	1.077	0.386	2.149	0.097	0.598	0.366	2.149
57.5	2.149	2.149	2.149	2.149	2.149	2.149	1.216	0.471	2.149	0.119	0.759	0.497	2.149
60.0	2.149	2.149	2.149	2.149	2.149	2.149	1.389	0.604	2.149	0.162	0.984	0.692	2.149
62.5	2.149	2.149	2.149	2.149	2.149	2.149	1.506	0.697	2.149	0.196	1.141	0.827	2.149

1974 Daily-Averaged Eddy Diffusion Coefficients $(cm^2\ s^{-1})$

Depth (m)	Day 98	105	112	119	126	133	140	147	154	161	168	175	182
2.5	1.420	2.149	2.149	0.262	0.221	2.149	0.667	2.149	2.149	0.187	0.413	2.149	2.149
5.0	0.504	2.086	1.483	0.107	0.085	2.149	0.196	1.562	2.149	0.059	0.141	2.149	1.883
7.5	0.341	1.762	0.616	0.071	0.089	2.149	0.139	0.261	0.837	0.035	0.013	0.047	0.259
10.0	0.205	1.338	0.156	0.029	0.059	1.878	0.087	0.192	0.295	0.012	0.019	0.061	0.059
12.5	0.083	0.977	0.070	0.008	0.018	0.187	0.024	0.123	0.255	0.005	0.019	0.072	0.080
15.0	0.043	0.574	0.060	0.008	0.018	0.197	0.011	0.067	0.178	0.005	0.022	0.085	0.099
17.5	0.047	0.575	0.066	0.009	0.022	0.256	0.014	0.093	0.257	0.006	□ ● □□	0.108	0.125
20.0	0.056	0.685	0.081	0.011	0.027	0.322	0.018	0.119	0.329	0.008	0.038	0.138	0.158
22.5	0.066	0.803	0.097	0.013	0.033	0.391	0.021	0.146	0.404	0.009	0.047	0.173	0.197
25.0	0.077	0.923	0.114	0.015	0.039	0.461	0.025	0.174	0.481	0.011	0.057	0.210	0.240
27.5	0.088	1.041	0.132	0.018	0.046	0.532	0.029	0.203	0.559	0.012	0.067	0.250	0.287
30.0	0.100	1.157	0.150	0.020	0.052	0.605	0.034	0.233	0.639	0.014	0.078	0.296	0.339
32.5	0.111	1.269	0.168	0.022	0.059	0.680	0.038	0.264	0.723	0.016	0.092	0.348	0.397
35.0	0.121	1.379	0.187	0.025	0.067	0.760	0.044	0.299	0.812	0.018	0.107	0.407	0.459
37.5	0.131	1.492	0.208	0.028	0.075	0.850	0.050	0.340	0.913	0.021	0.125	0.468	0.527
40.0	0.142	1.615	0.233	0.031	0.085	0.955	0.057	0.387	1.028	0.024	0.133	0.469	0.590
42.5	0.156	1.755	0.261	0.036	0.099	1.075	0.066	0.441	1.158	0.027	0.133	0.469	0.590
45.0	0.172	1.916	0.297	0.041	0.117	1.213	0.075	0.502	1.316	0.032	0.133	0.469	0.590
47.5	0.195	2.111	0.344	0.048	0.134	1.375	0.085	0.576	1.531	0.040	0.133	0.469	0.590
50.0	0.225	2.149	0.399	0.059	0.151	1.556	0.100	0.687	1.865	0.051	0.133	0.469	0.590
52.5	0.250	2.149	0.464	0.075	0.177	1.763	0.123	0.867	2.149	0.065	0.133	0.469	0.590
55.0	0.288	2.149	0.559	0.102	0.219	2.062	0.164	1.150	2.149	0.083	0.133	0.469	0.590
57.5	0.353	2.149	0.720	0.148	0.299	2.149	0.233	1.536	2.149	0.115	0.133	0.469	0.590
60.0	0.468	2.149	0.965	0.224	0.463	2.149	0.330	1.978	2.149	0.177	0.133	0.469	0.590
62.5	0.558	2.149	1.135	0.285	0.590	2.149	0.397	2.149	2.149	0.229	0.133	□ ● □□	□ ● □□

1974 Daily-Averaged Eddy Diffusion Coefficients ($cm^2 s^{-1}$)

Depth (m)	Day 189	196	203	210	217	224	231	238	245	252	259	266	273
2.5	2.149	2.149	2.149	0.161	2.149	2.149	2.149	2.149	0.248	2.149	**2.149**	2.149	2.149
5.0	2.149	2.123	1.205	0.057	2.149	2.149	2.149	1.379	0.121	2.149	2.149	2.149	2.149
7.5	1.796	1.094	0.652	0.028	0.194	2.149	2.149	0.503	0.012	2.149	1.243	1.328	2.149
10.0	1.087	0.662	0.668	0.018	0.163	2.149	2.149	0.378	0.008	2.149	0.576	0.336	2.149
12.5	0.026	0.031	0.020	0.003	0.025	0.012	0.014	0.013	0.002	0.056	0.015	0.019	0.023
15.0	0.039	0.058	0.037	0.005	0.046	0.021	0.022	0.020	0.003	0.082	0.018	0.025	0.012
17.5	0.050	0.079	0.052	0.007	0.066	0.032	0.032	0.029	0.004	0.119	0.026	0.035	0.016
20.0	0.064	0.101	0.067	0.010	0.086	0.042	0.043	0.040	0.006	0.161	0.035	0.048	0.022
22.5	0.079	0.125	0.083	0.012	0.108	0.053	0.055	0.051	0.007	0.208	0.045	0.062	0.028
25.0	0.096	0.152	0.101	0.014	0.133	0.065	0.068	0.063	0.009	0.258	0.056	0.078	0.035
27.5	0.115	0.182	0.121	0.017	0.159	0.079	0.082	0.076	0.011	0.315	0.069	0.095	0.043
30.0	0.135	0.215	0.143	0.021	0.189	0.094	0.099	0.091	0.013	0.376	0.082	0.113	0.052
32.5	0.158	0.254	0.169	0.024	0.225	0.113	0.116	0.107	0.015	0.443	0.097	0.133	0.061
35.0	0.185	0.300	0.199	0.028	0.249	0.117	0.133	0.123	0.018	0.516	0.111	0.153	0.070
37.5	0.199	0.307	0.201	0.028	0.249	0.117	0.140	0.134	0.019	0.558	0.126	0.175	0.080
40.0	0.199	0.307	0.201	0.028	0.249	0.117	0.140	0.134	0.019	0.559	0.141	0.192	0.090
42.5	0.199	0.307	0.201	0.028	0.249	0.117	0.140	0.134	0.019	0.559	0.145	0.192	0.098
45.0	0.199	0.307	0.201	0.028	0.249	0.117	0.140	0.134	0.019	0.559	0.145	0.192	0.106
47.5	0.199	0.307	0.201	0.028	0.249	0.117	0.140	0.134	0.019	0.559	0.145	0.192	0.115
50.0	0.199	0.307	0.201	0.028	0.249	0.117	0.140	0.134	0.019	0.559	0.145	0.192	0.115
52.5	0.199	0.307	0.201	0.028	0.249	0.117	0.140	0.134	0.019	0.559	0.145	0.192	0.115
55.0	0.199	0.307	0.201	0.028	0.249	0.117	0.140	0.134	0.019	0.559	0.145	0.192	0.115
57.5	0.199	0.307	0.201	0.028	0.249	0.117	0.140	0.134	0.019	0.559	0.145	0.192	0.115
60.0	0.199	0.307	0.201	0.028	0.249	0.117	0.140	0.134	0.019	0.559	0.145	0.192	0.115
62.5	0.199	0.307	0.201	0.028	0.249	0.117	0.140	0.134	0.019	0.559	0.145	0.192	0.115

1974 Daily-Averaged Eddy Diffusion Coefficients ($cm^2 \ s^{-1}$)

Depth (m)	Day 280	287	294	301	308	315	322	329	336	343	350	357	364
2.5	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
5.0	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
7.5	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
10.0	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
12.5	2.149	2.149	2 ml49	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
15.0	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
17.5	0.012	0 moo9	0.010	0.070	0.029	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
20.0	0.025	0.018	0.018	0.096	0.017	2.149	2.149	2.149	2.149	2.149	2.149	2.149	2.149
22.5	0.033	0.024	0 ● 025	0.133	0.025	0.011	0 ● 364	2.149	2.149	2.149	2.149	2.149	2.149
25.0	0.042	0.030	0.032	0.170	0.033	0.028	0.425	2.149	2.149	2.149	2.149	2.149	2.149
27.5	0.051	0.037	□ ● □□□	0.208	□ ● o40	0.036	0.531	0.113	1 ● 664	2.149	2.149	2.149	2.149
30.0	0.061	0.044	□ ● 046	0.249	0 ● 048	0.043	0.628	0.225	0.119	2.149	2.149	2.149	2.149
32 ● 5	0.072	0.052	0 ● o54	0.293	0.056	0.050	0.725	0.259	0.132	0.216	1 ● 885	2.149	2.149
35.0	0 ● 083	0.060	0.063	0.340	0.065	0.057	0.822	0.294	0.151	0.256	0.289	2.149	2.149
37.5	0.094	0.069	0.072	0.388	0.073	0.064	0.921	0.331	0.171	0.289	0.080	2.149	2.149
40.0	0.106	0.077	□ ● 082	0.439	0 ● 082	0.072	1 ● o21	0.370	0.191	0.323	0 ● 087	2.149	2.149
42.5	0.117	0 ● 087	□ ● □□□	0.492	0.091	0.080	1.122	0.412	0.214	0.362	0.099	0.701	2.149
45.0	0.117	0.091	0.101	0.544	0.099	0.088	1 ● 226	0.462	0.242	0.413	0.115	0.440	2.149
47.5	0.117	0.091	0.105	0.594	0.107	0.097	1.352	0.535	0.285	0.495	0.146	0.118	2.149
50.0	0.117	0.091	0.105	0.651	0.116	0.109	1 ● 548	0 ● 665	0 ● 366	0.658	0.209	0.192	2.149
52.5	0.117	0.091	0.105	0.701	0.130	0.130	1 ● 990	0 ● 885	0.524	0.991	0.317	0.242	2.149
55.0	0.117	0.091	0.105	0.704	0.144	0.167	2.149	1.269	0.841	1 ● 517	0.472	0.294	2.149
57.5	0.117	0.091	0.105	0.704	0.175	0.245	2.149	1 ● 893	1 ● 356	2.142	0.692	0.383	2.149
60.0	0.117	□ ● o91	0.105	0.704	0.268	0.412	2.149	2.149	□ ● □□□	2.149	0.999	0.564	2.149
62.5	0.117	□ ● o91	0.105	0.704	0.354	0.541	2.149	2.149	□□□□□□	2.149	1 ● 215	0.712	2.149

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1975 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 7	14	21	28	35	42	49	56	63	70	77	84	91
2.5	2.149	2.149	2.149	2.149	2.149	2.149	1●678	2.149	2.149	2.149	2.149	2.149	2.149
5.0	2.149	2.149	2.149	2.149	2.149	2.149	1●610	2.149	2.149	2.148	2.149	2.149	2.149
7.5	2.149	2.149	2.149	2.149	2.149	2.149	1●600	2.149	2.149	1●764	2.149	2.149	2.149
10.0	2.149	2.149	2.149	2.149	2.149	2.149	1●610	2.149	2.149	1●o79	2.149	2.149	2.125
12.5	2.149	2.149	2●054	2.149	2.149	2.149	1.619	2.149	2.149	0.719	2.149	2.149	1.702
15.0	2.149	2.149	1●919	2.149	2.149	2.149	1●628	2.149	2.149	0.508	2.149	2.149	1●538
17●5	2.149	2.149	1.795	2.149	2.149	2.149	1.640	2.149	2.149	0.448	2.149	2.149	1●523
20.0	2.149	2.149	●	2.149	2.149	2.149	1●655	2.149	2.149	0.436	2.149	2.149	1●520
22.5	2.149	2.149	●	2.149	2.149	2.149	1●669	2.149	2.149	0●441	2.149	2.149	1●463
25.0	2.149	2.149	2.149	2.149	2.149	2.149	1●683	2.149	2.149	0.462	2.138	2.149	1.344
27.5	2.149	2.149	2.149	2.149	2.149	2.149	1●696	2.149	2.149	0.499	1●963	2.149	1.230
30.0	2.149	2.149	2.149	2.149	2.149	2.149	●706	2.149	2.149	0.548	1●836	2.149	1.156
32.5	2.149	2.149	2.149	2.149	2.149	2.149	1●715	2.149	2.149	0.610	1●825	2.149	1.113
35.0	2.149	2.149	2.149	2.149	2.149	2.149	1●723	2.149	2.149	0●682	1●866	2.149	1●086
37.5	2.149	2.149	2.149	2.149	2.149	2.149	1●728	2.149	2.149	0.763	1●948	2.149	1●o73
40●□	2.149	2.149	2.149	2.149	2.149	2.149	1●733	2.149	2.149	0.851	2.073	2.149	1●076
42.5	2.149	2.149	2.149	2.149	2.149	2.149	1●737	2.149	2.149	0.944	2.149	2.149	1 ml00
45.0	2.149	2.149	2.149	2.149	2.149	2.149	1.739	2.149	2.149	●o22	2.149	2.149	1 ml51
47.5	2.149	2.149	2.149	2.149	2.149	2.149	1●741	2.149	2.149	●	2.149	2.149	1●241
50.0	2.149	2.149	2.149	2.149	2.149	2.149	1●743	2.149	2.149	1.195	2.149	2.149	1●388
52.5	2.149	2.149	2.149	2.149	2.149	2.149	1.744	2.149	2.149	1●314	2.149	2.149	1●600
55.0	2.149	2.149	2.149	2.149	2.149	2.149	1.745	2.149	2.149	1●464	2.149	2.149	1●868
57.5	2.149	2.149	2.149	2.149	2.149	2.149	1.746	2.149	2.149	1●646	2.149	2.149	2.144
60.0	2.149	2.149	2.149	2.149	2.149	2.149	1●746	2.149	2.149	1●855	2.149	2.149	2.149
62.5	2.149	2.149	2.149	2.149	2.149	2.149	1.746	2.149	2.149	1●991	2.149	2.149	2.149

1975 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 98	105	112	119	126	133	140	147	154	161	168	175	182
2.5	2.149	1.790	2.149	2.149	2.149	0.967	2.149	1.500	2.149	0.120	2.149	2.149	1.935
5.0	1.588	0.969	2.149	2.149	1.685	0.356	1.849	1.099	2.149	0.061	2.149	2.117	0.648
7.5	1.033	0.157	2.149	2.149	0.920	0.072	1.377	0.390	0.200	0.034	0.134	1.668	0.528
10.0	0.698	0.124	1.769	1.802	0.400	0.054	0.138	0.104	0.266	0.008	0.050	1.169	0.553
12.5	0.534	0.142	0.649	0.594	0.173	0.051	0.075	0.023	0.276	0.008	0.047	0.032	0.027
15.0	0.482	0.159	0.693	0.270	0.109	0.044	0.082	0.026	0.309	0.008	0.050	0.056	0.039
17.5	0.410	0.166	0.791	0.311	0.090	0.044	0.091	0.031	0.378	0.009	0.055	0.072	0.052
20.0	0.306	0.157	0.863	0.358	0.104	0.047	0.102	0.035	0.438	0.010	0.062	0.088	0.065
22.5	0.270	0.150	⬚ ● ▦	0.401	0.121	0.052	0.116	0.041	0.512	0.011	0.071	0.106	0.079
25.0	0.267	0.152	⬚ ● ▦	0.443	0.139	0.056	0.130	0.047	0.604	0.012	0.080	0.125	0.094
27.5	0.271	0.157	1.039	0.484	0.155	0.064	0.148	0.053	0.699	0.013	0.088	0.146	0.110
30.0	0.273	0.162	1.096	0.523	0.165	0.072	0.166	0.060	0.812	0.015	0.097	0.169	0.128
32.5	0.275	0.167	1.149	0.561	0.176	0.079	0.184	0.067	⬚ ● ▦	0.017	0.109	0.194	0.147
35.0	0.277	0.170	1.200	0.599	0.191	0.087	0.203	0.074	1.076	0.019	0.123	0.222	0.169
37.5	0.280	0.175	1.253	0.641	0.210	0.095	0.226	0.083	1.229	0.021	0.139	0.255	0.193
40.0	0.287	0.181	1.319	⬚ ● ▦	0.233	0.106	0.256	0.094	1.406	0.024	0.160	0.294	0.221
42.5	0.299	0.190	1.407	0.762	0.260	0.119	0.299	0.108	1.596	0.027	0.182	0.318	0.251
45.0	0.318	0.205	1.538	0.860	0.294	0.135	0.328	0.123	1.643	0.031	0.200	0.318	0.271
47.5	0.348	0.229	1 ● 738	0.998	0.338	0.157	0.363	0.142	1.650	0.034	0.211	0.318	0.271
50.0	0.395	0.271	2.049	1.182	0.397	0.191	0.414	0.173	1.664	0.039	0.232	0.318	0.271
52.5	0.476	0.347	2.149	1.392	0.481	0.243	0.492	0.226	1.684	0.049	0.266	0.318	0.271
55.0	0.614	0.478	2.149	1.637	0.612	0.311	0.613	0.312	1.713	0.069	0.318	0.318	0.271
57.5	0.830	0.675	2.149	1.982	0.827	0.402	0.815	0.456	1.752	0.113	0.406	0.318	0.271
60.0	1.112	0.935	2.149	2.149	1.137	0.552	1.135	0.682	1.803	0.199	0.575	0.318	0.271
62.5	1 ● 273	1.111	2.149	2.149	1.347	0.667	1.339	0.849	1 ● 846	0.273	0.713	0.318	0.271

1975 Daily-Averaged Eddy Diffusion Coefficients ($cm^2 s^{-1}$)

Depth (m)	Day 189	196	203	210	217	224	231	238	245	252	259	266	273
2.5	1●442	2.149	1.637	2.149	2.107	0.971	2.149	0.660	2.149	2.149	2.149	2.149	2.149
5.0	0.141	2.149	0.440	2.149	▨▨▨	0.842	2.149	0.667	2.149	2.149	2.149	1.909	2.149
7.5	0.126	0.093	0.097	0.178	0.722	0.318	2.149	0.691	2.149	1.724	1.512	0.480	▨▨▨
10.0	0.092	0.069	0.023	0.047	0.541	0.123	2.149	0.664	1.685	0.451	▨▨▨	0.470	1.616
12.5	0.022	0.027	0.010	0.021	0.011	0.004	0.016	0.003	0.035	0.080	▨▨▨	0.061	0.095
15.0	0.030	0.035	0.014	0.031	0.019	0.006	0.024	0.004	0.017	0.031	▨▨▨	0.018	0.011
17.5	0.040	0.047	0.019	0.042	0.027	0.009	0.034	0.005	0.024	0.045	0.058	0.027	0.018
20.0	0.050	0.059	0.024	0.054	0.035	0.012	0.045	0.007	0.031	0.059	0.077	0.037	0.024
22.5	0.062	0.073	0.030	0.067	0.043	0.015	0.056	0.009	▨▨▨	0.075	0.097	0.047	0.030
25.0	0.073	0.088	0.036	0.081	0.053	0.018	▨▨▨	0.011	0.048	▨▨▨	0.120	0.058	0.037
27.5	0.087	0.104	0.043	0.096	0.063	0.021	0.082	0.013	0.057	0.110	0.144	0.069	0.045
30.0	0.101	0.122	0.050	0.113	0.073	0.025	0.096	0.015	0.068	0.130	0.170	0.082	0.053
32.5	0.119	0.141	0.058	0.130	0.085	0.029	0.113	0.018	0.079	0.151	0.198	0.096	0.062
35.0	0.134	0.162	0.066	0.149	▨▨▨	0.033	0.131	0.021	0.091	0.174	0.228	0.110	0.071
37.5	0.150	0.183	0.075	0.170	0.107	0.039	0.151	0.024	0.103	0.198	0.259	0.125	0.082
40.0	0.168	0.207	0.085	0.195	0.107	0.039	0.156	0.026	0.116	0.223	0.293	0.142	▨▨▨
42.5	0.188	0.233	0.097	0.208	0.107	0.039	0.156	0.029	0.129	0.249	0.328	0.161	0.106
45.0	0.211	0.257	▨▨▨	0.208	0.107	0.039	0.156	0.032	0.143	0.278	0.371	0.181	0.114
47.5	0.223	0.268	▨▨▨	0.208	0.107	0.039	0.156	0.032	0.157	▨▨▨	0.394	0.181	0.114
50.0	0.223	0.268	▨▨▨	0.208	0.107	0.039	0.156	0.032	0.170	▨▨▨	0.394	0.181	0.114
52.5	0.223	0.268	▨▨▨	0.208	0.107	0.039	0.156	0.032	0.170	▨▨▨	0.394	0.181	0.114
55.0	0.223	0.268	▨▨▨	0.208	0.107	▨▨▨	0.156	0.032	0.170	▨▨▨	0.394	0.181	0.114
57.5	0.223	0.268	▨▨▨	0.208	0.107	▨▨▨	0.156	0.032	0.170	▨▨▨	0.394	0.181	0.114
60.0	0.223	0.268	▨▨▨	0.208	0.107	▨▨▨	0.156	0.032	0.170	▨▨▨	0.394	0.181	0.114
62.5	0.223	0.268	▨▨▨	0.208	0.107	▨▨▨	0.156	0.032	0.170	▨▨▨	0.394	0.181	0.114

1975 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 280	287	294	301	308	315	322	329	336	343	350	357	364
2.5	2.149	2.149	2.149	2.149	0.349	2.149	2.149	2.149	2.149	1.830	2.149	2.149	2.149
5.0	2.149	2.149	2.149	2.149	0.240	2.149	2.149	2.149	2.149	1.712	2.149	2.149	2.149
7.5	2.149	2.149	2.149	2.149	0.215	2.149	2.149	2.149	2.149	1.285	2.149	2.149	2.149
10.0	2.149	2.149	2.149	2.149	0.220	2.149	2.149	2.149	2.149	1.196	2.149	2.149	2.149
12.5	2.149	2.149	2.149	2.149	0.233	2.149	2.149	2.149	2.149	1.271	2.149	2.149	2.149
15.0	2.149	2.149	2.149	2.149	0.254	2.149	2.149	2.149	2.149	1.365	2.149	2.149	2.149
17.5	0.026	0.036	0.072	2.149	0.263	2.149	2.149	2.149	2.149	1.452	2.149	2.149	2.149
20.0	0.050	0.053	0.054	2.149	0.178	2.149	2.149	2.149	2.149	1.532	2.149	2.149	2.149
22.5	0.068	0.072	0.078	0.076	0.003	2.149	2.149	2.149	2.149	1.602	2.149	2.149	2.149
25.0	0.084	0.091	0.099	0.151	0.002	2.149	2.149	2.149	2.149	1.662	2.149	2.149	2.149
27.5	0.101	0.109	0.119	0.178	0.003	1.296	2.149	2.149	2.149	1.711	2.149	2.149	2.149
30.0	0.120	0.129	0.140	0.208	0.003	0.231	2.149	2.149	2.149	1.750	2.149	2.149	2.149
32.5	0.140	0.151	0.161	0.239	0.003	0.259	2.149	2.149	2.149	1.781	2.149	2.149	2.149
35.0	0.161	0.175	0.184	0.272	0.003	0.294	2.149	2.149	2.149	1.804	2.149	2.149	2.149
37.5	0.184	0.200	0.209	0.309	0.003	0.334	0.176	2.149	2.149	1.820	2.149	2.149	2.149
40.0	0.211	0.228	0.237	0.349	0.004	0.377	0.339	1.828	2.149	1.832	2.149	2.149	2.149
42.5	0.242	0.258	0.266	0.393	0.004	0.430	0.393	0.243	2.149	1.840	2.149	2.149	2.149
45.0	0.259	0.288	0.296	0.440	0.004	0.509	0.473	0.237	2.149	1.846	2.149	2.149	2.149
47.5	0.259	0.318	0.329	0.497	0.005	0.638	0.595	0.301	2.149	1.850	2.149	2.149	2.149
50.0	0.259	0.349	0.368	0.582	0.006	0.780	0.739	0.384	2.149	1.852	2.149	2.149	2.149
52.5	0.259	0.354	0.418	0.744	0.008	0.941	0.896	0.519	2.149	1.854	2.149	2.149	2.149
55.0	0.259	0.354	0.493	1.025	0.012	1.208	1.140	0.758	2.149	1.855	2.149	2.149	2.149
57.5	0.259	0.354	0.681	1.455	0.018	1.592	1.506	1.161	2.149	1.856	2.149	2.149	2.149
60.0	0.259	0.354	1.124	2.059	0.028	1.995	2.051	1.717	2.149	1.857	2.149	2.149	2.149
62.5	0.259	0.354	1.462	2.149	0.032	2.113	2.149	2.067	2.149	1.857	2.149	2.149	2.149

$$\text{1976 Daily-Averaged Eddy Diffusion Coefficients } (\text{cm}^2 \text{ s}^{-1})$$

Depth (m)	Day 7	14	21	28	35	42	49	56	63	70	77	84	91
2.5	2.149	2.149	2.149	0 ● 485	2.149	2.149	2.149	2.149	2.149	2.149	1.553	2.149	2.149
5.0	2.149	2.149	2.149	0.300	2.149	2.149	2.149	2.149	2.149	2.149	0.620	2.149	2.149
7.5	2.149	2.149	2.149	▯ ● 270	2.149	2.149	2.149	2.149	2.149	2.149	0.536	2 ml49	2.143
10.0	2.149	2.149	2.149	0.308	2.149	2.149	2.149	2.149	2.149	2.149	0.553	2.149	2.128
12.5	2.149	2.149	2.149	0.397	2.149	2.149	2.149	2.149	2.149	2.149	0.554	2.149	2.130
15.0	2.149	2.149	2.149	0.491	2.149	2.149	2.149	2.149	2.149	2.149	0.516	2.149	2.109
17.5	2.149	2.149	2.149	0.620	2.149	2.149	2.149	2.149	2.149	2.149	0.447	2.149	2.126
20.0	2.149	2.149	2.149	0.713	2.149	2.149	2.149	2.149	2.149	2.149	0.401	2.149	2.095
22.5	2.149	2.149	2.149	0.793	2.149	2.149	2.149	2.149	2.149	2.149	0.397	2.149	1 ● 856
25.0	2.149	2.149	2.149	0.865	2.149	2.149	2.149	2.149	2.149	2.149	0.417	2.149	1 ● 552
27.5	2.149	2.149	2.149	0.926	2.149	2.149	2.149	2.149	2.149	2.149	0.449	2.149	1 ● 299
30.0	2.149	2.149	2.149	0.975	2.149	2.149	2.149	2.149	2.149	2.149	0.493	2.149	1 ml59
32.5	2.149	2.149	1 ● 740	1 ● o13	2.149	2.149	2.149	2.149	2.149	2.149	0.548	2.149	1 ● o95
35.0	2.149	2.149	1 ● 755	▯ ● o40	2.149	2.149	2.149	2.149	2.149	2.149	0.613	2.149	1 ● 067
37.5	2.149	2.149	▯ ● ▯▯	1.059	2.149	2.149	2.149	2.149	2.149	2.149	0.688	2.149	1.064
40.0	2.149	2.149	2 ● 088	▯ ● o73	2.149	2.149	2.149	2.149	2.149	2.149	0.772	2.149	▯ ● 080
42.5	2.149	2.149	2.149	▯ ● 081	2.149	2.149	2.149	2.149	2.149	2.149	0.865	2.149	1.118
45.0	2.149	2.149	2.149	1 ● 087	2.149	2.149	2.149	2.149	2.149	2.149	0.963	2.149	1.176
47.5	2.149	2.149	2.149	1 ● o91	2.149	2.149	2.149	2.149	2.149	2.149	1.064	2.149	1 ● 260
50.0	2.149	2.149	2.149	1 ● o93	2.149	2.149	2.149	2.149	2.149	2.149	1.164	2.149	1 ● 383
52.5	2.149	2.149	2.149	1 ● o95	2.149	2.149	2.149	2.149	2.149	2.149	1.275	2.149	1.566
55.0	2.149	2.149	2.149	1.096	2.149	2.149	2.149	2.149	2.149	2.149	1.406	2.149	1.847
57.5	2.149	2.149	2.149	1 ● o97	2.149	2.149	2.149	2.149	2.149	2.149	1.560	2.149	2.149
60.0	2.149	2.149	2.149	1.097	2.149	2.149	2.149	2.149	2.149	2.149	1.727	2.149	2.149
62.5	2.149	2.149	2.149	1 ● o97	2.149	2.149	2.149	2.149	2.149	2.149	1.832	2.149	2.149

1976 Daily-Averaged Eddy Diffusion Coefficients ($cm^2\ s^{-1}$)

Depth (m)	Day 98	105	112	119	126	133	140	147	154	161	168	175	182
2.5	1.294	2.149	2.149	0.201	2.149	0.930	2.149	0.342	2.149	2.149	2.149	2.149	2.149
5.0	0.233	2.149	2.149	0.090	2.149	0.361	2.149	0.419	2.149	1.929	2.149	2.149	2.149
7.5	0.102	1.752	1.237	0.062	0.203	0.034	0.228	0.081	2.090	0.319	0.637	2.149	0.319
10.0	0.119	0.875	0.765	0.035	0.287	0.027	0.140	0.003	1.275	0.179	0.437	0.194	0.264
12.5	0.139	1.058	0.530	0.023	0.326	0.028	0.152	0.004	0.040	0.023	0.022	0.024	0.022
15.0	0.148	1.263	0.273	0.018	0.341	0.031	0.172	0.005	0.064	0.037	0.037	0.040	0.037
17.5	0.151	1.444	0.191	0.016	0.365	0.034	0.196	0.007	0.087	0.051	0.053	0.058	0.054
20.0	0.156	1.600	0.215	0.018	0.399	0.036	0.220	0.008	0.110	0.065	0.069	0.076	0.071
22.5	0.160	1.723	0.247	0.021	0.451	0.040	0.247	0.010	0.133	0.080	0.086	0.095	0.090
25.0	0.155	1.799	0.275	0.024	0.518	0.044	0.277	0.012	0.159	0.096	0.103	0.115	0.110
27.5	0.143	1.826	0.301	0.026	0.597	0.050	0.310	0.014	0.186	0.113	0.122	0.137	0.131
30.0	0.130	1.817	0.324	0.029	0.686	0.057	0.347	0.016	0.216	0.131	0.142	0.160	0.155
32.5	0.123	1.802	0.344	0.031	0.780	0.066	0.388	0.019	0.250	0.151	0.164	0.186	0.181
35.0	0.120	1.804	0.365	0.034	0.881	0.071	0.435	0.021	0.286	0.173	0.189	0.216	0.212
37.5	0.121	1.833	0.389	0.036	0.995	0.076	0.491	0.024	0.326	0.198	0.219	0.236	0.217
40.0	0.125	1.894	0.423	0.040	1.133	0.083	0.532	0.028	0.368	0.226	0.225	0.236	0.217
42.5	0.132	2.005	0.470	0.044	1.179	0.092	0.550	0.028	0.403	0.227	0.225	0.236	0.217
45.0	0.142	2.148	0.507	0.049	1.194	0.098	0.573	0.028	0.403	0.227	0.225	0.236	0.217
47.5	0.158	2.149	0.544	0.055	1.219	0.109	0.608	0.028	0.403	0.227	0.225	0.236	0.217
50.0	0.185	2.149	0.597	0.063	1.257	0.124	0.656	0.028	0.403	0.227	0.225	0.236	0.217
52.5	0.231	2.149	0.674	0.078	1.311	0.144	0.728	0.028	0.403	0.227	0.225	0.236	0.217
55.0	0.309	2.149	0.782	0.106	1.385	0.173	0.832	0.028	0.403	0.227	0.225	0.236	0.217
57.5	0.437	2.149	0.942	0.155	1.488	0.225	0.998	0.028	0.403	0.227	0.225	0.236	0.217
60.0	0.626	2.149	1.182	0.245	1.634	0.319	1.283	0.028	0.403	0.227	0.225	0.236	0.217
62.5	0.751	2.149	1.361	0.318	1.746	0.396	1.493	0.028	0.403	0.227	0.225	0.236	0.217

1976 Daily-Averaged Eddy Diffusion Coefficients (cm^2 s^{-1})

Depth (m)	Day 189	196	203	210	217	224	231	238	245	252	259	266	273
2.5	2.149	2.149	2.149	2.149	2.149	1.056	2.149	2.149	2.149	2.149	2.149	2.149	2.149
5.0	1.886	1.919	2.149	1.634	2.149	0.261	2.149	2.149	2.078	2.149	2.149	2.149	2.072
7.5	0.251	1.217	2.149	1.456	2.149	0.228	2.149	2.149	0.541	2.149	2.149	1.022	0.911
10.0	0.105	0.654	2.149	1.249	2.149	0.218	1.720	2.149	0.267	2.149	2.149	0.502	0.406
12.5	0.015	0.011	0.011	0.007	0.007	0.004	0.011	0.050	0.013	0.070	0.040	0.014	0.031
15.0	0.025	0.019	0.020	0.012	0.013	0.006	0.015	0.062	0.016	0.082	0.021	0.006	0.012
17.5	0.036	0.028	0.030	0.018	0.019	0.009	0.022	0.088	0.023	0.114	0.029	0.009	0.017
20.0	0.048	0.038	0.041	0.024	0.026	0.012	0.031	0.121	0.032	0.155	0.040	0.012	0.024
22.5	0.062	0.048	0.052	0.031	0.034	0.015	0.040	0.158	0.042	0.204	0.052	0.015	0.031
25.0	0.076	0.059	0.065	0.039	0.042	0.019	0.050	0.199	0.052	0.258	0.066	0.019	0.039
27.5	0.091	0.071	0.079	0.047	0.051	0.024	0.062	0.244	0.065	0.317	0.081	0.024	0.048
30.0	0.107	0.085	(illegible)	0.057	0.062	0.029	0.075	(illegible)	0.078	0.382	(illegible)	0.028	0.058
32.5	0.126	0.102	0.111	0.068	0.075	0.034	0.088	0.346	0.091	0.449	0.115	0.033	(illegible)
35.0	0.146	0.106	0.111	0.068	0.075	0.039	0.101	0.399	0.105	0.521	0.133	0.039	0.080
37.5	0.146	0.106	0.111	0.068	0.075	0.039	0.112	0.451	0.120	0.595	0.152	0.044	0.091
40.0	0.146	0.106	0.111	0.068	0.075	0.039	0.112	0.498	0.134	0.670	0.171	0.050	0.103
42.5	0.146	0.106	0.111	0.068	0.075	0.039	0.112	0.499	0.134	0.699	0.189	0.056	0.117
45.0	0.146	0.106	0.111	0.068	0.075	0.039	0.112	0.499	0.134	0.699	0.206	0.060	0.121
47.5	0.146	0.106	0.111	0.068	0.075	(illegible)	0.112	(illegible)	0.134	0.699	0.210	0.060	0.121
50.0	0.146	0.106	0.111	0.068	0.075	(illegible)	0.112	(illegible)	0.134	0.699	0.210	0.060	0.121
52.5	0.146	0.106	0.111	0.068	0.075	(illegible)	0.112	(illegible)	0.134	0.699	0.210	0.060	0.121
55.0	0.146	0.106	0.111	0.068	0.075	(illegible)	0.112	(illegible)	0.134	(illegible)	0.210	0.060	0.121
57.5	0.146	0.106	0.111	0.068	0.075	(illegible)	0.112	(illegible)	0.134	(illegible)	0.210	0.060	0.121
60.0	0.146	0.106	0.111	0.068	0.075	(illegible)	0.112	(illegible)	0.134	(illegible)	0.210	0.060	0.121
62.5	0.146	0.106	0.111	0.068	0.075	(illegible)	0.112	(illegible)	0.134	(illegible)	0.210	0.060	0.121

1976 Daily-Averaged Eddy Diffusion Coefficients ($cm^2\ s^{-1}$)

Depth (m)	Day 280	287	294	301	308	315	322	329	336	343	350	357	364
2.5	2.149	2.149	2.145	2.149	2.149	1.964	2.149	2.149	2.149	2.149	0.975	2 ml49	2.149
5.0	2.149	2.149	2.145	2.149	2.149	1.964	2.149	2.149	2.149	2.149	0.766	2.149	2.149
7.5	2.149	2.149	2.145	2.149	2.149	1.964	2.149	2.149	2.149	2.149	0.639	2.149	2.149
10.0	2.149	2.149	2.145	2.149	2.149	1.964	2.149	2.149	2.149	2.149	0.520	2.149	2.149
12.5	1.626	2.149	2.145	2.149	2.149	1.964	2.149	2.149	2.149	2.149	0.476	2.149	2.149
15.0	0.730	2.149	2.145	2.149	2.149	▯●▯▯	2.149	2.149	2.149	2.149	0.484	2.149	2.149
17.5	0.025	0.005	0.004	0.017	0.016	0.015	2.149	2.149	2.149	2.149	0.503	2.149	2.149
20.0	0.037	0.011	0.005	0.018	0.010	0.005	2.117	2.149	2.149	2.149	0.498	2.149	2.149
22.5	▯●▯▯	0.014	0.007	0.026	0.014	0.007	0.021	0.082	2.149	2.149	0.429	2.149	2.149
25.0	0.061	0.018	0.010	0.035	0.018	0.009	0.040	0.112	2.149	2.149	0.268	2.149	2.149
27.5	0.076	0.023	0.012	0.043	0.022	0.011	0.051	0.150	0.026	1.003	0.036	1.879	2.149
30.0	0.091	0.027	0.014	0.053	0.027	0.013	0.061	0.183	0.056	0.458	0.006	1.444	1.869
32.5	0.108	0.032	0.017	0.062	0.032	0.015	0.072	0.216	0.067	0.527	0.007	0.024	0.065
35.0	0.126	0.037	0.020	0.073	0.037	0.017	0.084	0.252	0.077	0.609	0.008	0.040	0.068
37.5	0.144	0.043	0.023	0.084	0.042	0.020	0.097	0.289	0.089	0.694	0.009	0.046	0.079
40.0	0.163	0.050	0.026	0.096	0.048	0.022	0.111	0.327	0.101	0.782	0.010	0.053	0.089
42.5	0.179	0.050	0.029	0.106	0.054	0.025	0.125	0.366	0.114	0.872	0.011	0.059	0.101
45.0	0.179	0.050	0.032	0.116	0.059	0.027	0.140	0.406	0.128	0.974	0.012	0.068	0.116
47.5	0.179	0.050	0.035	0.126	0.064	0.030	0.156	0.454	0.145	1.114	0.014	0.082	0.142
50.0	0.179	0.050	0.035	0.137	0.071	0.033	0.176	0.529	0.176	1.377	0.019	0.111	0.196
52.5	0.179	0.050	0.035	0.152	0.080	0.038	0.207	0.667	0.240	2.001	0.028	0.164	0.303
55.0	0.179	0.050	0.035	0.167	▯●▯▯	0.048	0.207	▯●▯▯	0.388	2.149	▯●▯▯	0.256	0.510
57.5	0.179	0.050	0.035	0.199	0.134	0.085	0.207	1.399	0.694	2.149	0.062	0.455	0.830
60.0	0.179	0.050	0.035	0.271	0.259	0.192	0.207	2.130	1.137	2.149	0.118	0.783	1.236
62.5	0.179	0.050	0.035	0.332	0.371	0.285	0.207	2.149	1.434	2.149	0.167	1.016	1.507