

Figure 6.16: Inertial circles observed by a current meter in the main thermocline of the Atlantic Ocean at a depth of 500 m;  $28^{\circ}\text{N}$ ,  $54^{\circ}\text{W}$ . Five inertial periods are shown. The inertial period at this latitude is 25.6 h and 5 inertial periods are shown. Courtesy of Carl Wunsch, MIT.

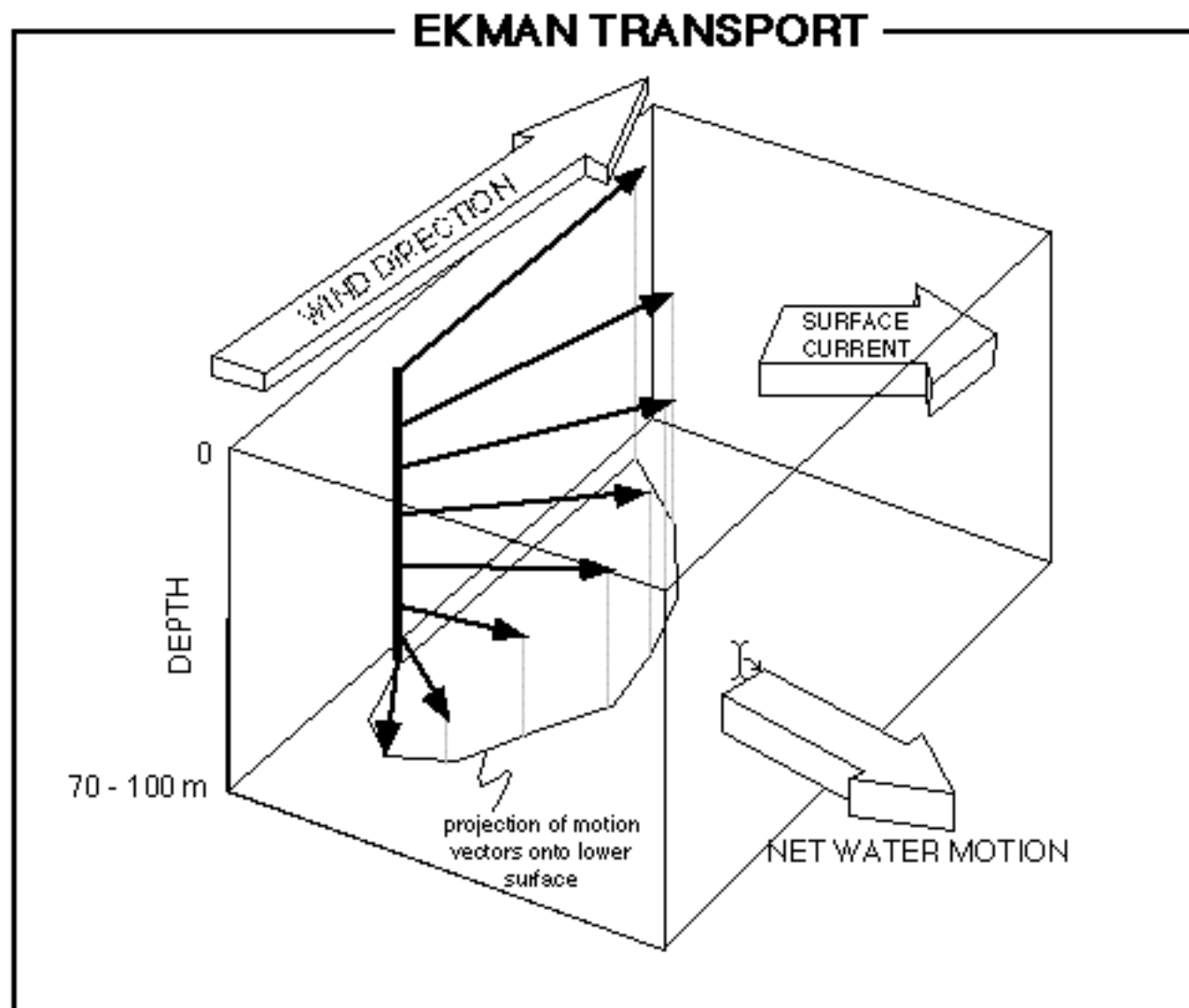
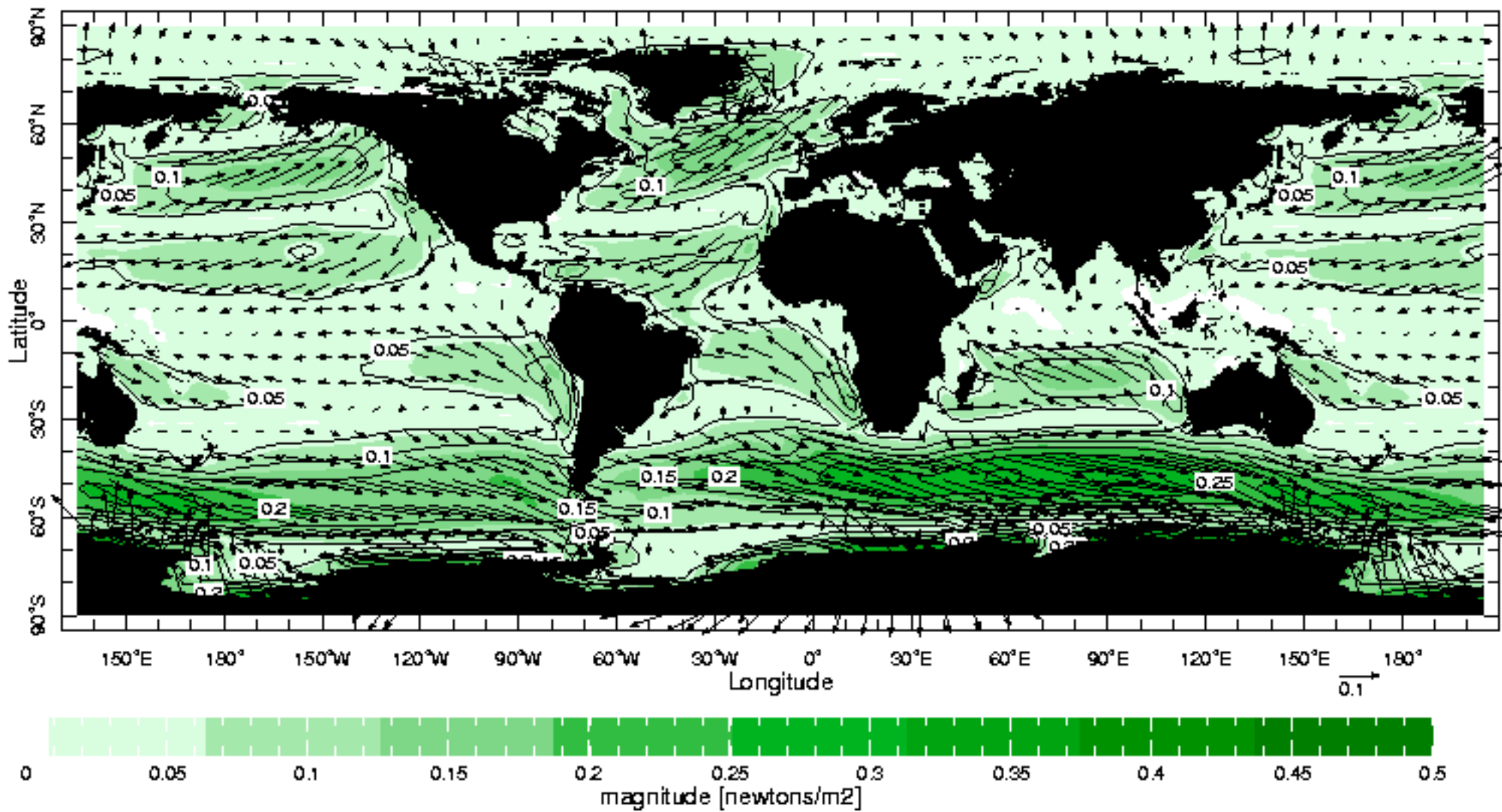
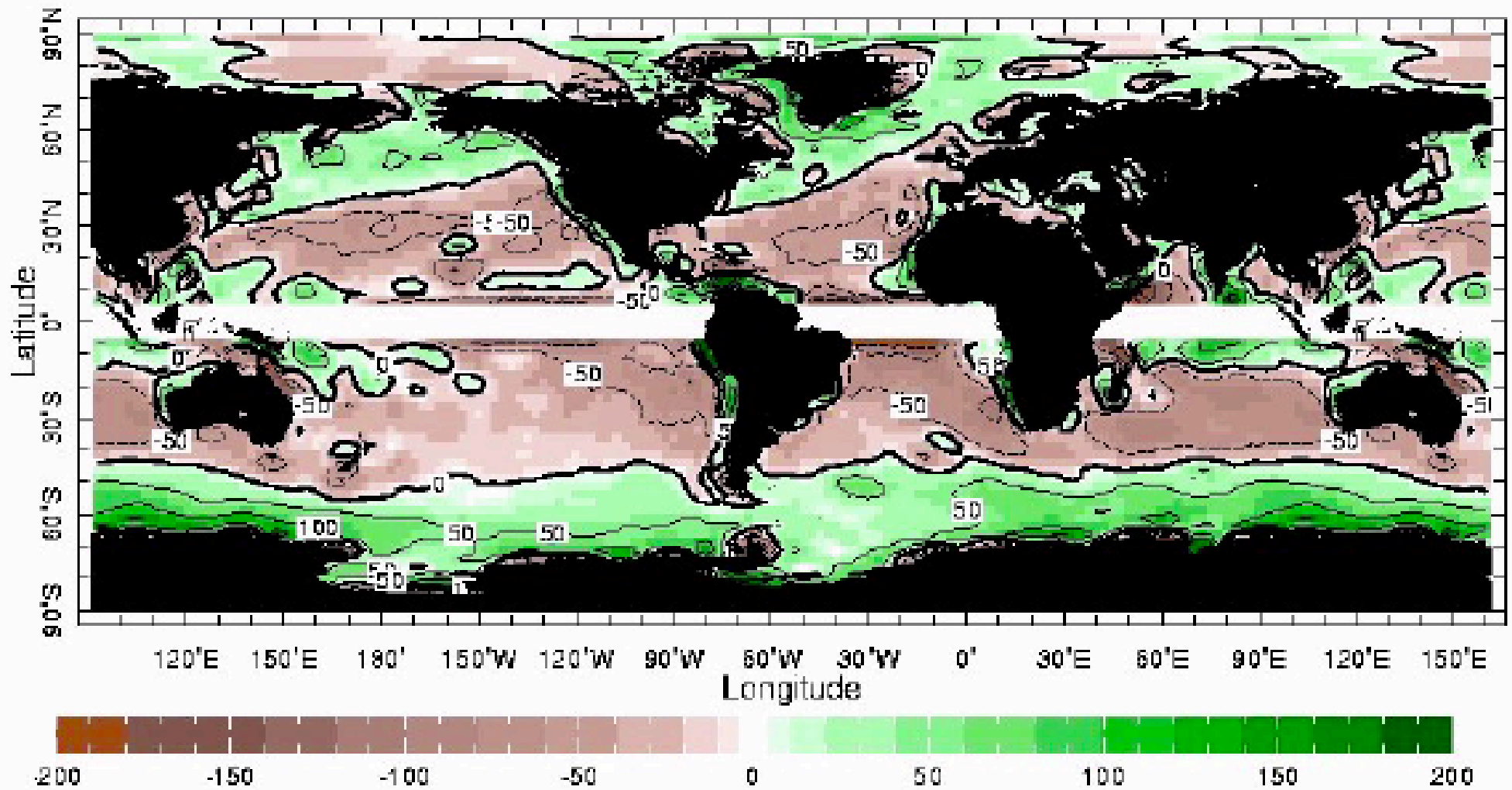


Figure 1.18. Surface winds move water at the surface of the oceans; that motion is transmitted downward by friction, but the Coriolis Effect acts on the water such that the net motion of water right near the surface is about  $45^\circ$  away from the wind direction while the motion deeper down is perpendicular to the wind.

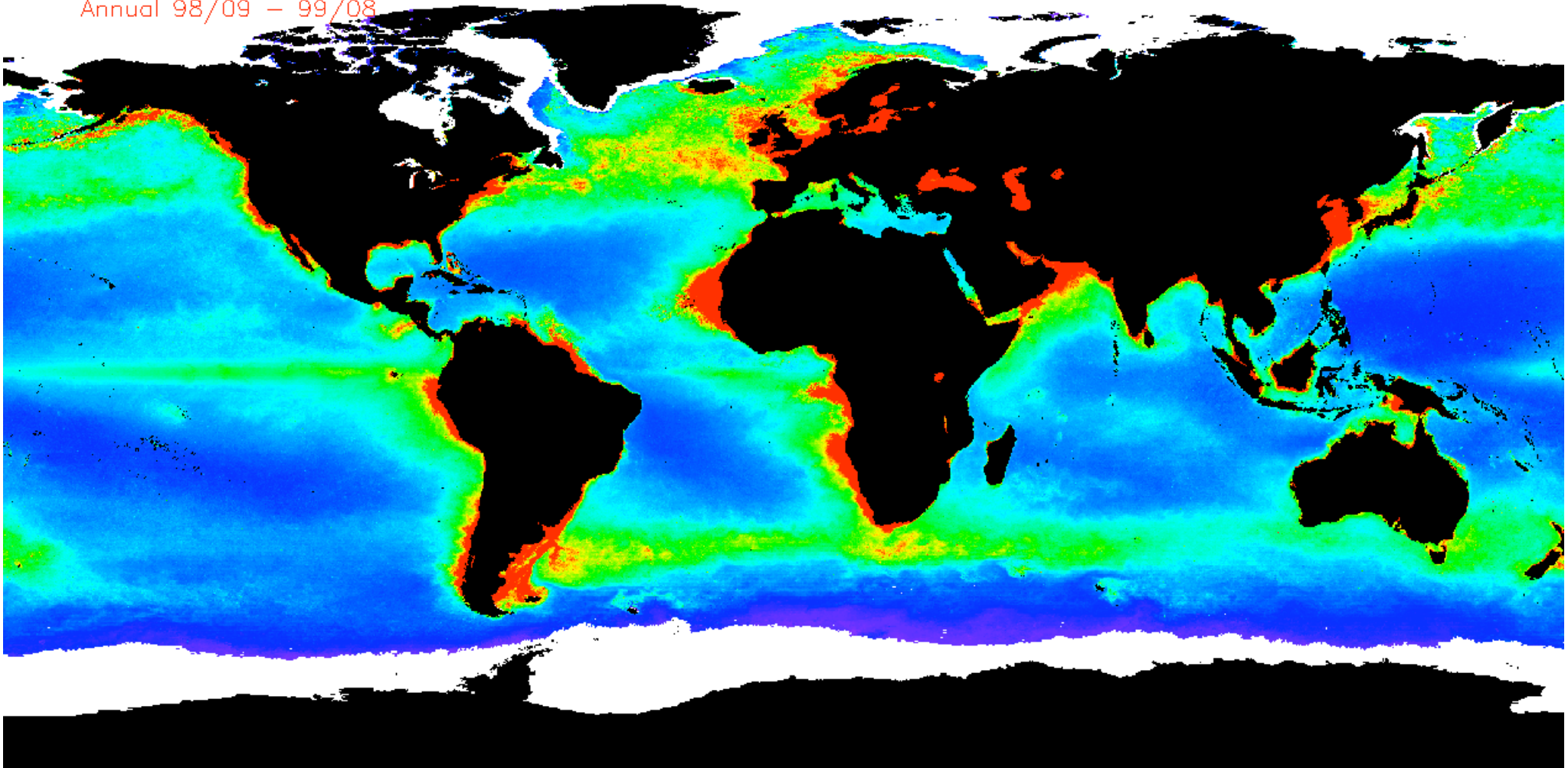


wind stress



# Annual mean primary productivity

Annual 98/09 – 99/08



# Sea Surface Temperature

(C)

