

NOAA monitors climate



NOAA Climate Program Office

Consistent,
repeated,
long-term
observations of
weather are the
foundation of
climate science





Observing stations across our country and around the world collect climate data





Arrays of automated stations collect precise climate data on land





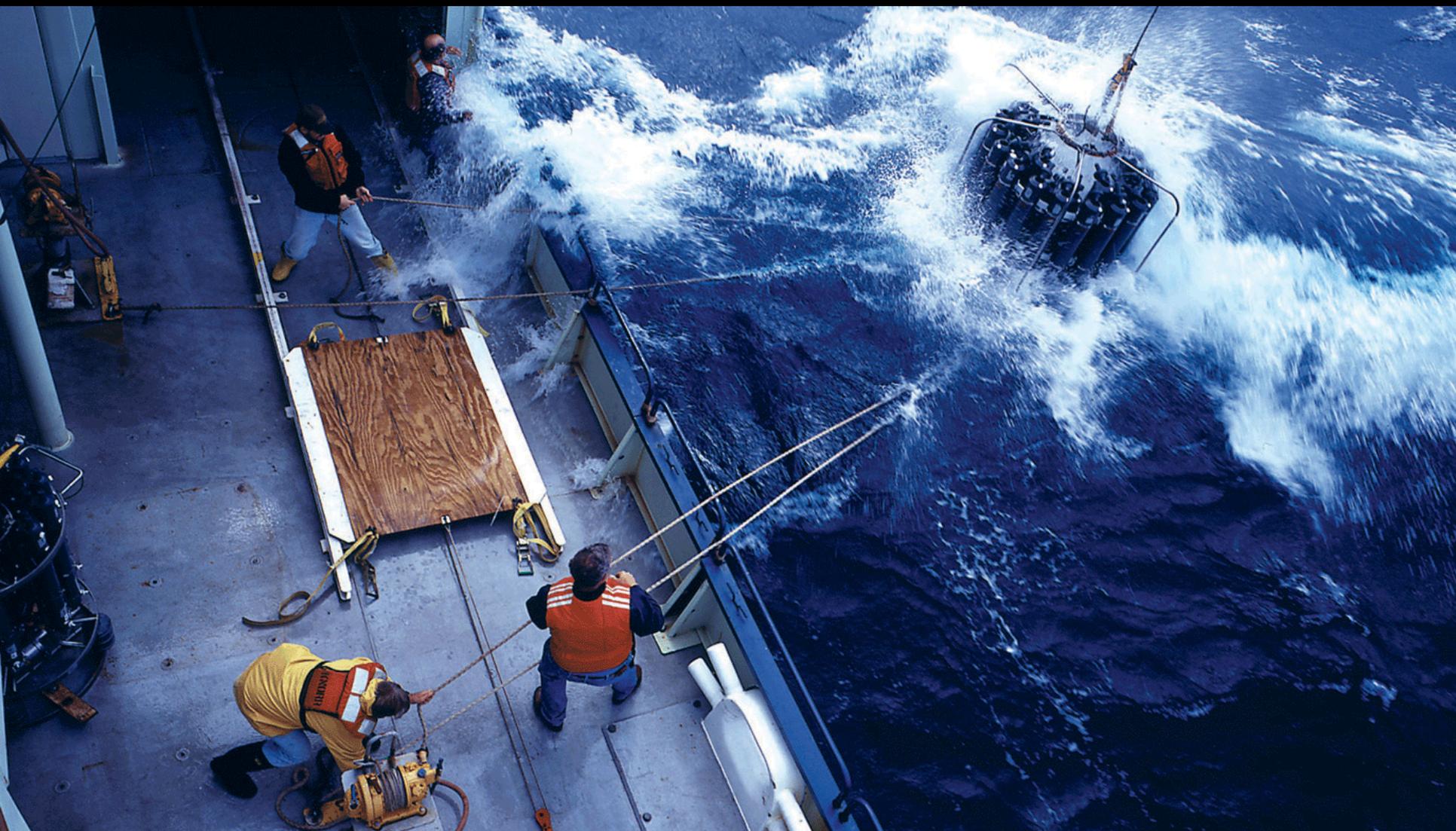
...and in the
sea



Instruments on buoys gather data from the depths of the ocean and at its surface



Human efforts facilitate and complement automated data collection





Balloons and rockets carry data-gathering instruments into the upper atmosphere



and instruments on satellites monitor
Earth's status from orbit



From the bottom of the ocean to the top of the atmosphere, instruments are monitoring Earth's climate system



