

ON THE COVER

The cover illustration depicts many of the technologies that support research at the NOAA Pacific Marine Environmental Laboratory (PMEL). (1) Saildrone. (2) Ecosystems & Fisheries Oceanography (FOCI) mooring. (3) NASA's Orbiting Carbon Observatory-2 satellite. (4) Wave Glider. (5) NOAA Ship *Ronald H. Brown*. (6) DART mooring acoustically linked to a (14) Bottom Pressure Recorder and a (12) profiling crawler, or Prawler, on the mooring line. (7) Papa mooring. (8) Tropical moored buoy. (9) Argo float. (10) Oculus glider. (11) NOAA remotely operated vehicle *Deep Discoverer*. (13) Hydrophone. (15) CTD-rosette with a (16) Miniature Autonomous Plume Recorder (MAPR) on the wire. Communications satellites (not shown) relay ocean data from many of these platforms to PMEL. Background map by Google Earth.