



Cooperative Research and Development Agreements (CRADAs)

Subject of CRADA	Effective Period	Partnering Company
Improved Tsunami Ocean Observations	2012 - 2017	Paroscientific Inc.
Development of Technology to Increase the Observations of Carbon and Ocean Acidification in the Oceans and Atmosphere	2012 - 2017	Battelle Memorial Institute
Unmanned Surface Vessel (USV)	2014 - 2019	Saildrone, LLC
PRAWLER Commercialization	2017 - 2022	McLane Labs
Geospatial Software for visualization of environmental data	2017 - 2019	EarthX
Development of MAPCO2 Sensor	2018 - 2023	Battelle Memorial Institute
Sensor Applications for Underwater Gliders	2019 - 2024	Kongsberg

Patents and Licenses

Patent Title	Year of Issuance	Patent Number	License?
System for Reporting High Resolution Ocean Pressures in Near Realtime for the Purposes of Tsunami Monitoring – DART (Deep-ocean Assessment and Reporting of Tsunamis)	2007	# 7,289,907	yes; active since 2007
Mooring Line for an Oceanographic Buoy System	2007	# 7,244,155	no