Title	RL	Category	Partners
2017-2023 AOML Contribution to the NOAA Glider Fleet for Tropical Cyclone			
Forecast Improvements - Module 1	RL9	External Partner	CIMAS
		NOAA Partner	IOOS, NOS ONMS
2020 State of The Climate Report AOML & PMEL Oceans Chapter Co-Author	RL9	NOAA Partner	OCRD
2021 State of The Climate Report AOML & PMEL Oceans Chapter Co-Author			
Contribution	RL9	NOAA Partner	OCRD
2022 State of The Climate Report AOML & PMEL Oceans Chapter Co-Author Contribution	RL9	NOAA Partner	NESDIS NCEI, OCRD
2023 State of The Climate Report AOML & PMEL Oceans Chapter Co-Author	ILL/	1407V (Tartife)	NESDIS NCEI, CCND
Contribution	RL9	NOAA Partner	NESDIS NCEI, OCRD
2024 AOML Contribution to the NOAA Glider Fleet for Tropical Cyclone Forecast			
Improvements - Module 2	RL9	External Partner	CARICOOS
		NOAA Partner	IOOS, NOS ONMS, NWS NHC
2024 Commercial Weather Data Numerical Weather Prediction Data Assimilation Optimization	RL9	External Partner	UCAR
Optimization	IXL7	NOAA Partner	NESDIS OSAAP, NWS EMC
2024 State of The Climate Report AOML & PMEL Oceans Chapter Co-Author		NOAA Farther	NESDIS OSAAF, NWS LIVIC
Contribution	RL5	NOAA Partner	NESDIS NCEI, OCRD
2025 AOML Contribution to the NOAA Glider Fleet for Tropical Cyclone Forecast	:		
Improvements - Module 3	RL8	External Partner	CARICOOS
		NOAA Partner	IOOS, NOS ONMS, NWS NHC
A Catastrophe Model for Assessing Wind and Flood Hazard Risk for Florida	RL7	External Partner	FSU
Accelerating Research and Developments of the Hurricane Analysis and Forecast	DI O	E. ID.	CINAAC
System Version 2	RL9	External Partner	CIMAS
Advancing seasonal outlooks of landfalling hurricanes for the U.S. Atlantic and		NOAA Partner	NWS EMC, GFDL
Gulf Coasts - Base Project	RL4	External Partner	CIMAS, MSU, NGI
		NOAA Partner	NWS CPC
Air-Deployed sUAS and StreamSonde Measurements of Turbulence in the High		rest arenor	Black Swift Technologies, CIMAS, ERAU,
Wind Tropical Cyclone Surface Layer - Volume 1C of Umbrella (#20511)	RL7	External Partner	Skyfora
		NOAA Partner	NWS EMC, NWS NHC, MAOC
		Stakeholder	NHC
Annual Atlantic Hurricane Season May Outlook	RL8	NOAA Partner	NWS CPC, NWS NHC
AOML capacity for coral propagation and technology development (CRCP			
Funded)	RL4	NOAA Partner	CRCP
AOML Contribution to a Scale-Aware Three-Dimensional Sub-Grid Scale Turbulent Mixing Parameterization for the Hurricane Analysis and Forecast System	RI /I	External Partner	CIMAS, CIRES, FIU
Turbulent Mixing Farameterization for the Flumcane Analysis and Forecast System	I IXL4	NOAA Partner	NWS EMC, PSL
		Stakeholder	NHC
AOML Contribution to Building a Comprehensive Capability in HAFS/JEDI to		Stakeriolder	INITC
Assimilate All Available Tropical Cyclone Aircraft Observations	RL4	External Partner	CIMAS

		NOAA Partner Stakeholder	NWS EMC NHC
AOML Contribution to CPCs Operational Basin-Wide Tropical Cyclone Outlook		Stakeriolder	MIC
(Module 1 - Knowledge Transfer)	RL9	External Partner	CIMAS, NGI
		NOAA Partner	NWS CPC
AOML Contribution to CPCs Operational Landfalling/Regionalized Seasonal TC			
Outlook (Module 3a - Knowledge Transfer)	RL4	External Partner	CIMAS, NGI
ACMI Cantribution to CDCs Operational Landfelling/Degionalized Cossessi		NOAA Partner	NWS CPC
AOML Contribution to CPCs Operational Landfalling/Regionalized Seasonal Tropical Cyclone Outlook (Module 4 - R2O)	RL4	External Partner	CIMAS, NGI
nopical Gyorno Gallook (modalo i in-		NOAA Partner	NWS CPC
AOML Contribution to CPCs Operational Seasonal Sub-Basin Tropical Cyclone			
Outlook (Module 3b - R2O)	RL4	External Partner	CIMAS, NGI
		NOAA Partner	NWS CPC
AOML Contribution to CPCs Operational Sub-Basin Seasonal TC Outlook	DI O	F I.D	CINAAC NICI
(Module 2a - Knowledge Transfer)	RL9	External Partner	CIMAS, NGI
AOML Contribution to Forecaster Support Products for Analysis of Tropical		NOAA Partner	NWS CPC
Cyclone Intensity and Structure from Aircraft Reconnaissance Observations	RL5	External Partner	CIMAS, NCAR, University of Colorado
operation interiority and on accuration with a second accuration of	0	NOAA Partner	NWS EMC, NWS NHC
		Stakeholder	NHC
AOML Contribution to Real-time Visualization and Interpretation of the Hurricane			
Wind Structure and Intensity: From Flight Level to the Surface	RL5	External Partner	CIMAS, FSU, UCAR
		NOAA Partner	NWS EMC, NWS NHC
		Stakeholder	NHC, NCEP
AOML Contribution to the CPC Operational Seasonal Hurricane Outlook -	DI O	F	CINAAC NICI
Basin-Wide Tropical Cyclone Activity (Module 2b - R2O)	RL8	External Partner	CIMAS, NGI
AOML Contribution to: Integration of a Fully Functional Atmospheric UFS-HAFS		NOAA Partner	NWS CPC
into JEDI with Weakly Coupled Ocean Data Assimilation Capability	RL6	External Partner	CIMAS, UMD, RSMAS, UO
		NOAA Partner	NWS EMC
			CIMAS, Universidade de Santiago de
AOML CWOW Atlantic Node (OceanWatch)	RL8	External Partner	Compostela
		NOAA Partner	STAR
AOML Deep Argo	RL8	External Partner	CIMAS, UC, WHOI
		NOAA Partner	IOOS, CPO, PMEL
AOML Development of NOAA Seasonal Severe Weather (SSW) outlook for the	DI 4	F	CINAAC
US	RL4	External Partner	CIMAS
AOML Omics Analysis in Support of the NOAA Mussel Watch 2020 Southeast		NOAA Partner	NWS CPC, NWS SPC, NSSL
Project	RL4	NOAA Partner	SDI

AOML PIRATA Northeast Extension	RL8	External Partner NOAA Partner Stakeholder	Brazilian Navy, CNRS, CIMAS, Helmholtz Association of Research Centers, Howard University, IRD, JISAO, MeteoFrance, NCAS, University of Miami NESDIS NCEI, STAR, IOOS, NWS NHC, GOMO, PMEL, MAOC CIMAS, NCEP, OSU
AOML Southwest Atlantic Meridional Overturning Circulation (SAM)	RL8	External Partner	Argentine Naval Hydrographic Service, CIMAS, ENS, IFREMER, Republic of South Africa Department of Environmental Affairs, Universidade de Sao Paolo/University of Sao Paolo, University of Brest, University of Buenos Aires
AOME 300thwest Atlantic Mendional Overturning Circulation (SAM)	KLO	External Faither	NESDIS NCEI, IOOS, CPO, GOMO,
		NOAA Partner	OAR HQ
			Australia Bureau of Meteorology, BMKG, DHN, CSIRO, CIMAS, ECCC, KIOST, MeteoFrance, MetService, IEO, MEMR, SAWS, USCG, DOD, Universidad de
AOML Surface Drifter Program	RL8	External Partner	Valparao, Chile, UC
		NOAA Partner	CSSD, IOOS, NWS CPC, NWS NHC, OAR HQ
		Stakeholder	ECMWF, NCEP, NWS WFOs
AOML U.S. Argo Program - Global Observations for Understanding and	DI O	F	CIMAC LIC LINA MILIOI
Prediction of Climate Variability	RL8	External Partner	CIMAS, UC, UW, WHOI
		NOAA Partner	IOOS, PMEL CIMAS, National Oceanography Centre,
AOML Western Boundary Time Series in the Atlantic Ocean	RL8	External Partner	UNOLS, RSMAS
		NOAA Partner	NOS COOPS, IOOS, MAOC
AOML XBT Network	RL8	External Partner	CIMAS
		NOAA Partner	IOOS
AOML?s Contribution to Operational Implementation of the Hurricane Analysis	RL4	NOAA Partner	NWS EMC
and Forecast System Version 3 Application of Machine Learning Techniques to the Automated Quality Control of Airborne Doppler Radar Data Used in Operational Analysis of Hurricane Winds		NOAA Farther	INWS EIVIC
and Reflectivity	RL4	External Partner	CSU, CIMAS
		NOAA Partner	NWS EMC, NWS NHC, MAOC
		Stakeholder	NHC
Assessing Coastal Water Quality for FKNMS and Everglades Restoration	RL5	External Partner	CIMAS
		NOAA Partner	NOS ONMS
Assessing refugia potential of marginal and urban reef corals in southeast Florida with population genetics	RL2	External Partner	CIMAS, FAU, Mote Marine Laboratory, RSMAS, UT

A CANTAGED I CANTAGED		NOAA Partner	NMFS SEC, CRCP
Assessing the use of XBT/XCTD observations to investigate the link between barrier layers and hurricane intensity changes	RL2	External Partner	CIMAS, RSMAS
and the same and t		Stakeholder	NCEP
Assessment of Emerging Technology Platforms to Improve Resolution of Tropical			
Cyclone Wind Observations (Umbrella)	RL4	NOAA Partner	NWS EMC, NWS NHC, UAS
Assessment of Water Quality and Habitat Conditions in the Coral Gables Waterway to Inform Management and Restoration	RL2	External Partner	FIU, RSMAS
Atlantic Hurricane Season Outlook August Update	RL8	NOAA Partner	NWS CPC, NWS NHC
Attribution of past present and future sea-level changes along the United States	IXLO	NOAA I aitilei	NW3 CI C, NW3 NIIC
east seaboard for Infrastructure Investment and Jobs (Act IIIJA)	RL2	External Partner	CIMAS
Barataria Basin IEA	RL7	External Partner	CIMAS, LDWF, DOD
		NOAA Partner	NMFS HC, NMFS SEC, NOS NCCOS
Characterizing and forecasting coastal ecosystem responses to multiple stressors			
for management applications in South Florida	RL2	External Partner	CIMAS, FWC, NGI, USF, VIMS
Commercial Weather Data Numerical Weather Prediction Data Assimilation		NOAA Partner	SECOORA, GLERL
Optimization	RL9	External Partner	UCAR
		NOAA Partner	NESDIS OSAAP, NWS EMC
Coupling the Next-Generation Ocean Model for HAFS	RL6	External Partner	CIMAS
esspang are real constants of the same and t		NOAA Partner	NWS EMC
		Stakeholder	NHC
Develop a prototype Hazardous Weather Testbed experiment focused on			
products and services associated with a landfalling tropical cyclone	RL5	External Partner	CIMAS
		NOAA Partner	NWS AFSO, NWS NHC, NWS WFOs, GSL, NSSL, WPO
Developing a more resilient Southwest Atlantic Meridional overturning circulation		NOAA I aitilei	G3L, N33L, WI O
(SAM) array	RL2	External Partner	CIMAS
		NOAA Partner	GOMO
Developing an operational Sargassum Harmful Algal Bloom monitoring and			
forecasting system for the southeastern US and US Caribbean waters	RL7	External Partner	CARICOOS, FAU, USVI DPNR, USF
Development and Initial Testing of an Autonomous eDNA Sample Acquisition and		NOAA Partner	CRP
Preservation System Using an AUV (Module 1)	RL4	External Partner	CIMAS, JCVI, MBARI
The state of the s		NOAA Partner	OER
Development of a surface water CO2 reference network SOCONET	RL4	External Partner	UNOLS
		NOAA Partner	OCRD
Development of IOLA- Indian Ocean-Land-Atmosphere Coupled mesoscale			
prediction System for ocean state and coastal hazards over the Indian region	DI 4	F	N 50
(Monsoon Mission 3)	RL4	External Partner	MoES
Development of protocols for biomonitoring Mission Iconic Reefs using eDNA	RL2	External Partner	FWC, JSU, Mission Iconic Reefs
		NOAA Partner	NOS ONMS

Effects of local and global stressors on Orbicella faveolata susceptibility to SCTLD	RL2	External Partner NOAA Partner Stakeholder	CIMAS CRCP EPA
Enhancing subseasonal severe weather predictions through the variable-resolution UFS - AOML contribution	RL3	External Partner NOAA Partner	CIMAS, CIMES, UCAR NWS CPC, GFDL, NSSL
Environmental DNA Enhancement of Fisheries Independent Monitoring Cruises for Ecosystem Based Fisheries Management Evaluation of the 3G ESP LRAUV to Provide Autonomous ?Omics Capacity in	RL2	NOAA Partner	NMFS SEC
Ocean Environments (Module 2) FY21 State of the Climate: Quarterly Reports of the Meridional Heat Transport in the Atlantic Ocean	RL9 RL9	External Partner External Partner	MBARI Argentine Naval Hydrographic Service, CMA CGM, University of Cape Town
FY22 State of the Climate: Quarterly Reports of the Meridional Heat Transport in	KL7	NOAA Partner	GOMO Argentine Naval Hydrographic Service,
the Atlantic Ocean	RL9	External Partner NOAA Partner	CMA CGM, University of Cape Town GOMO
FY23 Quarterly Reports of the Meridional Heat Transport in the Atlantic Ocean	RL9	External Partner NOAA Partner	Argentine Naval Hydrographic Service, CMA CGM, University of Cape Town GOMO
FY24 Quarterly Reports of the Meridional Heat Transport in the Atlantic Ocean - Module 4	RL9	External Partner	Argentine Naval Hydrographic Service, CMA CGM, University of Cape Town
FY25 Quarterly Reports of the Meridional Heat Transport in the Atlantic Ocean	RL8	NOAA Partner External Partner	GOMO Argentine Naval Hydrographic Service, CMA CGM, University of Cape Town
		NOAA Partner	GOMO
Global eDNA partnerships supporting Atlantic and global biodiversity monitoring	RL2	External Partner NOAA Partner	CIMAS, MBON, NGI, UN, USF, WCRP STAR
Global ocean genomic observatories to support NGI and NOAA missions	RL4	NOAA Partner	GLERL, OERD
GOFFISH Consortium - AOML Contribution	RL3	External Partner NOAA Partner	CIMAS, FSU NMFS SEC, IOOS, NWS EMC
GOMO-AOML: Ocean Carbon Inventories and Fluxes	RL5	External Partner NOAA Partner	CIMAS, CIRES CPO, GOMO, OAP, PMEL
Hurricane glider observations and data impact studies in support of hurricane intensity forecasts	RL3	External Partner NOAA Partner	CIMAS OPS, NWS EMC
Identification of SCTLD Pathogen through Flow Cytometery & High Throughput Sequencing	RL3	NOAA Partner	CRCP
Improving Wind Speed and Rain Rate Estimates from the SFMR	RL2	External Partner NOAA Partner	FSU, UCAR STAR, NWS NHC

			Princeton University, Republic of South Africa Department of Environmental Affairs, Universidade de Sao Paolo/University of Sao Paolo, University
Innovative analysis of deep and abyssal temperatures from bottom- moored instruments	RL3	External Partner	of Buenos Aires, University of Cape Town, University of Trieste
instruments	KLS	NOAA Partner	GFDL
		NOAA I altilei	CIMAS, FWC, DNR, DCR, Texas Parks
Integrated Ecosystem Assessments for Atlantic and Gulf of Mexico NMS	RL5	External Partner	and Wildlife
			NMFS NEC, NMFS SEC, NMFS MED,
Internal illustica Aircraft Wind Observations to Statistically Consistent 1 minute		NOAA Partner	NOS NCCOS, NOS ONMS
Intercalibrating Aircraft Wind Observations to Statistically Consistent 1-minute Sustained Winds for Improved Analysis of TC Intensity and Structure	RL3	External Partner	FSU, NGI
Sustained Willias for Improved Amarysis of To Interiors y and out details	1120	NOAA Partner	NWS NHC
		Stakeholder	NCEP
Investigating interactions between the tropical cyclone inner core and near			
environment and their impacts on intensity change (TCRI) and the evolution of the	9		
tropical marine boundary layer across transitional boundaries of African easterly waves and the S	RL4	External Partner	DOD, RSMAS
Juvenile Sportfish Monitoring in Florida Bay	RL7	External Partner	CIMAS, SFWMD, DOD
Suverille Sportiish Monitoring in Florida Bay	NL/	NOAA Partner	NMFS SEC
Leveraging Transfer Learning on GraphCast to Improve GFS Forecasts	RL2	External Partner	CIMAS
Leveraging transfer Learning on Graphicast to improve Gr 3 rolecasts	NLZ	Stakeholder	NCEP
Merging eDNA observations with concurrent satellite remote sensing data and		Stakeriolder	INCLI
plankton imagery to support biodiversity monitoring	RL2	External Partner	CIMAS, FWC, NGI, USF
		NOAA Partner	NMFS SEC
Microbial indicators of stony coral tissue loss disease (SCTLD) exposure in corals			
and associated fomites	RL2	External Partner	CIMAS, DOD
		NOAA Partner	CRCP
Mission: Iconic Reefs: Climate Monitoring	RL4	NOAA Partner	CRCP
Modeling ocean biogeochemical patterns in the Southeast U.S. Coast, Gulf of Mexico, and Caribbean Sea	RL2	External Partner	MSU, NGI
		NOAA Partner	GFDL
Monitoring Mission Iconic Reefs Restoration using eDNA with SASe	RL2	External Partner	
Omics MST support for Coastal Water Quality Measures and Management			
Guidance for the City of Miami Beach	RL4	External Partner	City of Miami Beach, University of Miami
Omics Testing to Address Stakeholder Concerns: Potential Co-occurrence of	DI O	NIOAA Dawton and	NIMEC CEC
Pathogens with Red Tide Optimization of COSMIC-2 Radio Occultation Impacts through Data Assimilation	RL2	NOAA Partner	NMFS SEC
Software Improvements	RL8	NOAA Partner	STAR, NWS EMC
Performance-driven restoration and data coordination (CRCP Funded)	RL4	NOAA Partner	CRCP
Port Everglades Ecosystem Response Study	RL2	External Partner	DOD

Probabilistic Forecast of Tropical Cyclone-Driven Extreme Wave Heights RL3 External Partner NOAA Partner NOAA Partner NOAA Partner Stakeholder NHC Real-Time Dissemination of Hurricane Observations from Airborne GPS Dropwindsondes RL8 External Partner Stakeholder NASA, DOD NOAA Partner Stakeholder NCEP RL8 NOAA Partner Stakeholder NCEP NOAA Partner Stakeholder NCEP RL8 NOAA Partner NOB OCM, OAP Anduril, Black Swift Technologies, CIMAS CIMAS, RSMAS NOAA Partner NOAA Partner NOAA Partner NOB CIMAS, RSMAS NOB CIMAS NOB CIMA
Real-Time Dissemination of Hurricane Observations from Airborne GPS Dropwindsondes RL8 External Partner NOAA Partner Stakeholder RL8 External Partner NOAA Partner Stakeholder NOAA Partner Stakeholder NOAA Partner Stakeholder RL8 Real-Time Dissemination of Hurricane Wind Fields Determined from Airborne Doppler Radar Data Reef persistence evaluator: a decision-support tool for management interventions to preserve essential habitat (CRCP Funded) RL4 NOAA Partner RL7 Research to Operation Transition of Hurricane sUAS RESEARCH TO OPERATION TO
Real-Time Dissemination of Hurricane Observations from Airborne GPS Dropwindsondes RL8 External Partner NOAA Partner Stakeholder NCEP Real-Time Dissemination of Hurricane Wind Fields Determined from Airborne Doppler Radar Data Reef persistence evaluator: a decision-support tool for management interventions to preserve essential habitat (CRCP Funded) Reefs on the Edge Molecular Insights from Corals in Extreme Environments RL4 NOAA Partner RL7 External Partner NOS OCM, OAP Anduril, Black Swift Technologies, CIMAS, RSMAS NOS OCM, OAP Anduril, Black Swift Technologies, CIMAS, CIMAS, RSMAS, University of Southern California NOAA Partner
Real-Time Dissemination of Hurricane Observations from Airborne GPS Dropwindsondes RL8 External Partner NOAA Partner Stakeholder NOAA Partner Stakeholder NOEP Real-Time Dissemination of Hurricane Wind Fields Determined from Airborne Doppler Radar Data Reef persistence evaluator: a decision-support tool for management interventions to preserve essential habitat (CRCP Funded) Reefs on the Edge Molecular Insights from Corals in Extreme Environments Research to Operation Transition of Hurricane sUAS Research to Operation Transition of Hurricane sUAS Resilience. Molecular mechanisms behind AOML's CRCP Restoration Pillar. Resilience Molecular mechanisms behind AOML's CRCP Restoration Pillar. SuAS Data Assimilation Capability and Enhancement of the Existing Coupled TC Forecast Modeling System (Volume 3 of Umbrella Project #20511) Supporting Decision Making for designating new National Marine Sanctuaries: an
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Reef persistence evaluator: a decision-support tool for management interventions to preserve essential habitat (CRCP Funded) Reefs on the Edge Molecular Insights from Corals in Extreme Environments RL2 External Partner CIMAS, RSMAS NOAA Partner NOS OCM, OAP Anduril, Black Swift Technologies, CIMAS Research to Operation Transition of Hurricane sUAS REsearch to Operation Transition of Hurricane sUAS REsearch to Operation Transition of Hurricane sUAS RL6 External Partner NOAA Partner NWS EMC, MAOC Stakeholder Stakeholder Anduril, Black Swift Technologies, NHC CIMAS, RSMAS, University of Southern California NOAA Partner NESDIS STAR SUAS Data Assimilation Capability and Enhancement of the Existing Coupled TC Forecast Modeling System (Volume 3 of Umbrella Project #20511) Supporting Decision Making for designating new National Marine Sanctuaries: an
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Research to Operation Transition of Hurricane sUAS RL6 External Partner NOAA Partner NOAA Partner Resilience. Molecular mechanisms behind AOML's CRCP Restoration Pillar. Resilience. Molecular mechanisms behind AOML's CRCP Restoration Pillar. RL2 External Partner NOAA Partner
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Resilience. Molecular mechanisms behind AOML's CRCP Restoration Pillar. RL2 External Partner NOAA Partner NMFS SEC, NOS OCM, OAP Sargassum Inundation Reports RL7 External Partner NOAA Partner NOAAA
Sargassum Inundation Reports RL7 RL7 External Partner NMFS SEC, NOS OCM, OAP USF NOAA Partner NWS EMC, NWS NHC, UAS NOAA Partner NWS EMC, NWS NHC, UAS
Sargassum Inundation Reports RL7 External Partner NOAA Partner SUAS Data Assimilation Capability and Enhancement of the Existing Coupled TC Forecast Modeling System (Volume 3 of Umbrella Project #20511) Supporting Decision Making for designating new National Marine Sanctuaries: an
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Supporting Decision Making for designating new National Marine Sanctuaries: an
Integrated Ecosystem Assessment approach RL2 External Partner CIMAS
NOAA Partner NOS ONMS
Sustained monitoring and analysis of western boundary currents in the subtropical
North Atlantic RL2 External Partner CIMAS
The Impact of Targeted Synoptic Dropsondes on Tropical Cyclone Forecasts in HAFS RL5 NOAA Partner NWS NHC
Toward building a subseasonal-to-seasonal red tide and hypoxia warning system
for the West Florida Shelf fisheries: Part I. hindcast simulations and validation RL3 External Partner CIMAS, NGI
NOAA Partner NMFS SEC
ASU, CIMAS, Howard University,
Tropical Atlantic Current Observations Study (TACOS) RL5 External Partner University of Miami, Key Biscayne NESDIS NCEI, GFDL, GOMO, PMEL,
NOAA Partner MAOC
Stakeholder CIMAS, NCEP, OSU
Tropical Cyclone Wind Gust Guidance for National Weather Service Operations RL3 External Partner CIMAS, CIRA
NOAA Partner NESDIS STAR, NWS EMC, NWS NHC

		Stakeholder	NHC
Unique Turbulence Dynamics in Hurricane Boundary Layers and Improving Their			
Parameterizations in Numerical Weather Prediction Models	RL2	External Partner	CIMAS, University of Houston
		Stakeholder	NCEP
Use of Dragoon sUAS to Enhance Thermodynamic and Kinematic Observations in			
the Tropical Cyclone Boundary Layer (Volume 1D of Umbrella Project #20511)	RL4	External Partner	Dragoon Technology, LLC
		NOAA Partner	NWS NHC
		Stakeholder	NHC, NCEP
Use of Small Uncrewed Aircraft Data in AWIPS-II for National Hurricane Center	DI 7	E	Anduril, Black Swift Technologies,
Tropical Cyclone Situational Awareness (Volume 2 of Umbrella Project #20511)	RL7	External Partner	CIMAS, Skyfora
Hailing of Anglord Alaine (OO to Full or on Theorem along and Kingaratio		NOAA Partner	NWS EMC, NWS NHC, UAS, MAOC
Utilization of Andural Altius 600 to Enhance Thermodynamic and Kinematic Observations in the Tropical Cyclone Boundary Layer (Volume 1A of Umbrella			
Project #20511)	RL7	External Partner	Anduril
		NOAA Partner	NWS EMC, NWS NHC, UAS
Utilization of Black Swift Technologies S0 to Enhance Thermodynamic and			· · · ·
Kinematic Observations in the Tropical Cyclone Boundary Layer (Volume 1B of			
Umbrella Project #20511)	RL7	External Partner	Black Swift Technologies
		NOAA Partner	NWS EMC, NWS NHC, UAS
Vector Autoregressive Spatiotemporal (VAST) Modeling in Support of the			
Assessment of Effects on Aquatic Resources for the Proposed Mid-Breton Sediment Diversion	RL6	External Partner	CIMAS
Sediment Diversion	KLO	NOAA Partner	NMFS SEC
Volume 1-A AOML-EMC Uncrewed observations of the upper ocean and		NOAATattilei	INIVII 3 SEC
near-surface atmosphere for improved hurricane intensity prediction	RL4	External Partner	CIMAS, UPR, UW
		NOAA Partner	CARICOOS, EDD, OCRD
		Stakeholder	NCEP, NWS WFOs
Volume 1-B AOML-NHC Uncrewed Observations of the Upper Ocean and			,
Near-Surface Atmosphere for Improved National Hurricane Center Analysis	RL7	External Partner	CIMAS, UW
		NOAA Partner	EDD, OCRD
		Stakeholder	NCEP, NWS WFOs