

2018 Hurricane Forecast Improvement Project Awarded Grant Recipients

Project Title	Principle Investigator	PI Affiliation	Start date	End date	Total budget
Advanced DA Techniques for Satellite-Derived Atmospheric Motion Vectors from GOES 16/17 in the HWRF	Agnes Lim	University of Wisconsin	9/1/18	8/31/20	\$221,400
Using Dynamically-Based Probabilistic Forecast Systems to Improve the NHC Wind Speed Products	Andrea Schumacher	Colorado State University	9/1/18	8/31/20	\$200,004
Rapid Intensification Changes: Improving Sub-Grid Scale Model Parameterization and Microphysical-Dynamical Interaction	Ping Zhu	Florida International University	9/1/18	8/31/20	\$296,701
New Frameworks for Predicting Extreme Rapid Intensification	Kerry Emanuel	Massachusetts Institute of Technology	9/1/18	8/31/20	\$339,571
Enabling Cloud Condensate Cycling for All-Sky Radiance Assimilation in HWRF	Ting-Chi Wu	Colorado State University	9/1/18	8/31/20	\$238,017
Evaluating Initial Condition Perturbation Methods in the HWRF Ensemble Prediction System	Ryan Torn	SUNY Albany	9/1/18	8/31/20	\$292,483