



WEATHER PROGRAM OFFICE

National Oceanic and Atmospheric Research

Currently funded S2S projects

Project	PI	Affiliation
FY19 S2S University Grants (Year 1 of 3)		
MJO and QBO Contributions to U.S. Precipitation Skill at S2S Leads	Elizabeth Barnes Eric Maloney	Colorado State University
	Juliana Dias Stefan Tulich	CIRES/University of Colorado
		ESRL/PSD
	George Kiladis	ESRL/PSD
Ensemble Prediction and Predictability of Extreme Weather via Circulation Regimes	David Straus Kathleen Pegion	George Mason University
	Stephen Baxter	NOAA/NCEP/CPC
S2S Forecasting of North American Precipitation Anomalies: Using Empirical Forecasts to Challenge Dynamical Forecasts	David Randall Elizabeth Barnes	Colorado State University
	Wanqui Wang	NOAA/NCEP/CPC
	Stefan Tulich	ESRL/PSD
Benefits of stochastic parameterization on the sub-seasonal to seasonal timescales in hindcasts with CESM and UFS	Judith Berner Jadwiga Richter	UCAR
		ESRL/PSD
	Philip Pegion	CIRES/University of Colorado
Diagnosing and Improving Unified Forecast System precipitation through observationally constrained stochastic parameterizations	Prashant D. Sardeshmukh Gilbert B. Compo	CIRES/University of Colorado
	Cecile Penland	ESRL/PSD
	Daryl Kleist	NOAA/NCEP/EMC
Assessment and calibration of extreme precipitation probabilities in S2S forecast models	Chiara Lepore Michael K. Tippett	Columbia University



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	Melissa Ou Michelle L'Heureux	NOAA/NCEP/CPC
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Project	PI	Affiliation
FY18 Climate TestBed (Year 2 of 2)		
A Hybrid Statistical-Dynamical System for the Seamless Prediction of Daily Extremes and Subseasonal to Seasonal Climate Variability	Dan Collins	NOAA/NCEP/CPC
A New Technique for Improved MJO Prediction	Chidong Zhang	PMEL
	Wanqiu Wang	NOAA/NCEP/CPC
Operational Transition of Novel Statistical-Dynamical Forecasts For Tropical Subseasonal to Seasonal Drivers	Stephen Baxter	NOAA/NCEP/CPC
	Carl Schreck	North Carolina State University
Sensitivity of NMME Seasonal Predictions to Ocean Eddy Resolving Coupled Models	Benjamin Kirtman	University of Miami
	Robert Burgman	Florida International University
Skillfully Predicting Atmospheric Rivers and Their Impacts in Weeks 2-5 Based on the State of the MJO and QBO	Elizabeth A. Barnes	Colorado State University
Subseasonal to Seasonal Prediction with NCAR's CESM2-WACCM	Jadwiga Richter	UCAR
	Dan Collins	NOAA/NCEP/CPC
	Judith Perlwitz	ESRL/PSD
Testing, refinement and demonstration of probabilistic multi-model, calibrated sub-seasonal global forecast products	Andrew Robertson	Columbia University
	Dan Collins	NOAA/NCEP/CPC



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Maintenance Projects/MMEs		
Maintenance and Development of the Subseasonal to Seasonal (S2S) Database and Tools in IRI Data Library	Andrew Robertson	Columbia University/IRI
SubX Continuation	Benjamin Kirtman	University of Miami/CIMAS
Continuation of the North American Multi-Model Ensemble (NMME Phase-2): Deployment, Operation and Seasonal Prediction Science		GFDL
	Benjamin Kirtman	University of Miami/CIMAS