**MISSION:** The 2015 Autonomous Underwater Vehicle (AUV) Jubilee is a coordinated field demonstration of ocean observing technologies, focused in the northern Gulf of Mexico. Join us in this cooperative effort to coordinate disparate individual ocean research efforts and characterize ocean processes in the Gulf!

The University of Southern Mississippi will provide glider support products, including real-time ocean circulation models and satellite products to showcase how multiple technologies can be used to adaptively sample ocean processes.

AUV data will be integrated with other real-time observations (satellite ocean color, circulation models, CODAR) for validation and assimilation into operational models as well as the creation of an enhanced ocean monitoring capability.

Classroom teachers from across the region will participate in interactive operational oceanography and create educational materials so other educators can also teach their students this practical aspect of Science, Technology, Engineering, and Math.

Real-time support for glider operations will be available through the Ocean Weather Lab (www.usm.edu/marine/research-owx)

Come join the Gulf Applied Science Party! The invitation is extended to participants from industry, universities, and federal agencies. Leverage existing research projects and collaborate with multiple institutions. Demonstrate novel capabilities of new instruments!

Contact: Ryan.Vandermeulen@usm.edu ; 228-688-7127
AUV Jubilee Educational Outreach
Teacher Professional Development: July 13-17, 2015

collaborate with researchers to incorporate practical skills into your science class

Autonomous Underwater Vehicles (AUVs) travel underwater to collect data such as temperature, salinity and dissolved oxygen of the water through which they pass.

Collaborate with scientists of the CONCORDE project working to understand the effects of Deepwater Horizon Oil Spill.

Project AUVs will collaborate with others in the Gulf for data collection. Remote sensing at Mission Control will allow researchers to adapt glider actions to meet conditions of the moment.

Well-prepared science teachers (middle and high school, community college) are encouraged to apply.

Participants receive: Stipend ($500), CEUs, lunch daily. Participants are strongly encouraged to stay in dormitories at GCRL (breakfast and lunch provided)

This workshop is sponsored by a grant to USM from the Gulf of Mexico Research Initiative.

Monday
Introduction to AUVs and the AUV Jubilee, GCRL, Ocean Springs, MS

Tuesday
Adaptive management and data interpretation with Mission Control scientists, Stennis Space Center, MS

Wednesday
AUV support cruise, RV E. O. Wilson, Dauphin Island Sea Lab, AL

Thursday
Adaptive management, data interpretation with Mission Control scientists, Stennis Space Center, MS. Early return to GCRL to complete classroom material development.

Evenings
Group will return to GCRL for dinner, after which 1-2 hours will be devoted to team work with project educators to incorporate the day’s experiences into classroom materials

Contact: Jessica.Kastler@usm.edu 228-872-4269 or Aaron.Lamey@usm.edu 228-818-8861
Register: http://www.usm.edu/gcrl/mec/teacher.professional.development.php