



Day 1, Tuesday, Feb 21

8:00 am	Breakfast
8:30 am	SIO welcome – M. Leinen (Director, SIO)
8:40 am	NOPP welcome – R. Beach (ONR)
8:50 am	An abridged history of ALPS and meeting objectives – D. Rudnick (SIO)
9:15 am	Biogeochemical sensors for autonomous, Lagrangian platforms: Current status, future directions – K. Johnson (MBARI)
9:45 am	Break
10:15 am	Profiling floats for regional and global applications – D. Roemmich, N. Zilberman (SIO), S. Jayne, (WHOI)
10:45 am	Underwater gliders – C. Lee (UW)
11:15 am	Autonomous Underwater Vehicles in the 21st Century: Smaller, smarter, faster, longer range and more versatile – R. Wynn (NOC, UK)
11:45 am	Lunch
1:00 pm	Autonomous Surface Vessels and Drifters: Advancements, challenges and learning from each other – C. Meinig (NOAA/PMEL), L. Centurioni (SIO)
1:30 pm	Marine mammals – D. Costa (UCSC)
2:00 pm	Measuring the ocean and air-sea interactions with Unmanned Aerial Vehicles – B. Reineman (SIO)
2:30 pm	Break
3:00 pm	Breakouts
4:00 pm	Reports
5:00 pm	Adjourn for day

Day 2, Wednesday, Feb 22

8:00 am	Breakfast
8:30 am	Reports
9:00 am	Ocean physics from autonomous and Lagrangian platforms and sensors – A. Gray (Princeton)
9:30 am	Ocean biogeochemistry from autonomous platforms – M. Estapa (Skidmore)
10:00 am	Advances, challenges and opportunities for autonomous biological observations and experiments – M.J. Perry (U. Maine)
10:30 am	Break
11:00 am	Breakouts

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12:00 pm	Lunch
1:00 pm	Carbon dioxide system measurements from ALPS – T. Martz (SIO)
1:30 pm	Autonomous and Lagrangian studies of coastal and boundary current systems – R. Todd (WHOI)
2:00 pm	Ice-based observing – M.-L. Timmermans (Yale)
2:30 pm	Break
3:00 pm	Breakouts
4:00 pm	Reports
5:00–7:00 pm	Reception

Day 3, Thursday, Feb 23

8:00 am	Breakfast
8:30 am	Reports
9:00 am	Use of acoustics for sensing, navigation and communications on autonomous ocean platforms – L. Freitag (WHOI)
9:30 am	Autonomous sampling in ocean process studies – E. D'Asaro (UW)
10:00 am	ALPS for managing Living Marine Resources – T. Garfield (NOAA/SWFSC)
10:30 am	Break
11:00 am	Breakouts
12:00 pm	Lunch
1:00 pm	ALPS in state estimation and forecasting frameworks: A survey of science applications, error quantifications, and observing network design – A. Nguyen (UT)
1:30 pm	Mission planning and control for autonomous and Lagrangian platforms – Y. Chao (RSS)
2:00 pm	Using autonomous systems to entrain the next generation of scientists – O. Schofield (Rutgers)
2:30 pm	Break
3:00 pm	Breakouts
4:00 pm	Reports
5:00 pm	Adjourn for day

Day 4, Friday, Feb 24

8:00 am	Breakfast
8:30 am	Reports
9:00 am	Discussion, next steps
11:00 am	Adjourn meeting