UC Davis Scientific Dive Checklist

PRIOR TO DIVE DAY

✓ Dive Plan: Approved by DSO.
✓ Diver Status: Check diver’s status, specialized training and depth authorization on Webdiver.
✓ Oxygen and First Aid: Ensure available at dive site.
✓ Shore Contact: Establish and provide them with dive and emergency contact info.
✓ Determining Decompression Status: Ensure each diver has a dive computer or dive table and timing device.

ON DIVE DAY

Remember S-E-A-B-A-G

✓ Site & Signals
  ▪ Review dive site entry/exit procedures. Evaluate and discuss potential hazards.
  ▪ Review underwater signals for the dive team and raise dive flag.

✓ Emergency Procedures
  ▪ Emergency Equipment Available: Communication Device, Oxygen and First Aid.
  ▪ Review Low/Out-of-Air procedures and lost diver procedures.

✓ Activity Discussion
  ▪ Review Dive Plan: Dive objectives and specialized equipment. Estimated max depth/bottom time. Min. cylinder pressure prior to ascent. Slow ascent, safety stop(s) and surface with at least 500psi.
  ▪ Buddy Communication: Discuss buddy communication approved in dive plan.
  ▪ Refusal to Dive: Remember any diver has the right to refuse to dive without fear of penalty, for any reason.
  ▪ New Divers on Project
    • Buoyancy Check: Newer divers should complete a buoyancy check on the surface.
    • Tasks: Limit any tasks for any diver for your project until he/she is comfortable with the tasks/environment and you can gauge their comfort and abilities in the water first hand.

✓ Buoyancy
  ▪ Check personal buoyancy control device and weight system.
  ▪ Review buddies buoyancy control device and weight system.

✓ Air
  ▪ Check that cylinder is full and gas analyzed if required.
  ▪ Check that regulators function properly and confirm location of buddy’s octopus/air source.
  ▪ Review tank pressure divers should have when beginning their ascent.

✓ Gear-Up & Go
  ▪ Conduct functional check of all gear and only use gear if it is functioning properly.
  ▪ Notify DSO of any issues or concerns.
  ▪ Record dive details for Webdiver entry.