

Glider Deployment Checklist – Shore Side

Glider

Date

Project/Location

Field Participants, Vessel

Pilot

Pre-deployment

/to-glider folder populated & recent

del large/numerous SBD & TBD's

Glider Power Up - Pre-deploy

Confirm 'boot app' with 'boot'

Battery Voltage

m_vacuum (> 7)

Coulomb AH total set

Digifin & glider leakdetect OK

sync_time (after GPS hit)

Glider In Water - Deployed

zero_ocean_pressure

m_depth < 1 m

run od, od5.mi - confirm overdepth abort

run shallow, deep.mi

Download shallow.mi MBD and NBD file

segment #:

Boat – perform CTD comparison cast

CTD s/n: Laptop:

Test Mission Check

Vehicle Altimeter Works

Flies to commanded depth and to surface

Average vehicle roll

+/- 26 (or desired pitch) obtained,
no overshoot or undershoot

Average battery position on dives
and climbs

Does vehicle track heading or
m_heading cross c_heading

Fin not hardover
entire time (avg fin)

Avg Dive Rate

Avg Climb Rate

Science Checks

Surface Water Density

Bottom Water Density

CTD and m_pressure agree

Average offset

CTD temp & salinity downcast =
upcast (no lag)

Remaining Sensors reporting
reasonable values

Prepare for Primary Mission

SBD/TBD's prior to od.mi deleted

Transfer SBD's and TBD's

Adjust yo to bottom if altimeter
works

Post Dive

Verify SBD and TBD are in tact

Verify .cac availa for SBD/TBD