.eng/.log files for every profile	**sg_calib_constants** for the individual mission and glider

UEA TOOLBOX

A.1 load and merge profile data and sg calib constants

A.2 calculate preliminary values

A.3 vbd regression 1

A.4 vbd regression 2

A.5 save changes in sg_calib_constants

A.6 calculate preliminary values with new sg_calib_constants apply time-lag correction and save thermal-lag correction

UEA-toolbox output: eng/log structure, hydrography-structure, flight-structure, gps position, date, calibration, ..

AWI DATA PROCESSING

B.1 transfer of hydrographic data to matrices

B.2 raw data inspection with gradient and min-max-criteria (+ individual corrections)

B.3 thermal-lag correction with UEA toolbox output calculation of S and density

B.4 calculation of 2 dbar mean interpolation on 2 dbar levels (+ individual corrections)

B.5 smoothing of density interative calculation of S with new density calculation of C from new density and new S

B.6 comparison of down- and upcast

B.7 correction of T and C with CTD-data recalculation of density and S with new T and new C

final data set for the individual mission and glider