

## **Appendix 1: Calibrations**

This section contains specifications and acoustic calibration information for your TAPS. You should retain all calibration data in this section for future reference. The values to enter into the TAPS for CAST mode operations and the calibration constants to enter into the SOUNDER analysis programs are calculated for nominal values of temperature and salinity (important in the absorption coefficient).

Note that CAST mode calibration constants are entered as negative numbers (into TAPS). SOUNDER mode calibration constants are entered as shown into the appropriate line in the analysis programs.

The measured receiver noise levels are shown near the bottom of the calibration sheet along with the equivalent level of volume scattering strength. These values might be useful when analyzing data to determine when measured scattering strengths have fallen below the system noise levels.

The setup sheet for external sensors is also included in this section. If a particular setup was installed by us, the calibration information will be on the setup sheet. If you configured the external instrument PCB yourself, we suggest you make a copy of the setup sheet and fill it out for future reference. This section is a good place to keep copies of external sensor calibrations as well.