## **Conductivity Calibration Report**

Model Number   SBE 37SM   Serial Number:   37SM26834-2023    Conductivity sensors are normally calibrated 'as received', without cleaning or adjustments, allowing a determination of sensor drift. If the calibration identifies a problem or indicates cell cleaning is necessary, then a second calibration is performed after work is completed. The 'as received' calibration is not performed if the sensor is damaged or non-functional, or by customer request.  An 'as received' calibration certificate is provided, listing the coefficients used to convert sensor frequency to conductivity. Users must choose whether the 'as received' calibration or the previous calibration better represents the sensor condition during deployment. In SEASOFT enter the chosen coefficients. The coefficient 'slope' allows small corrections for drift between calibrations (consult the SEASOFT manual). Calibration coefficients obtained after a repair or cleaning apply only to subsequent data.  'AS RECEIVED CALIBRATION'	<b>Customer:</b>	Pacific Marine E	nvironmental Lab				
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Date: 11/20/2015   Drift since last cal: 0.0000   PSU/month  Comments:  'CALIBRATION AFTER CLEANING & REPLATINIZING'   Performed	conductivity. Users sensor condition du corrections for drift	must choose whether t uring deployment. In t t between calibrations	the 'as received' calibrat SEASOFT enter the chos (consult the SEASOFT n	ion or the previou sen coefficients.	us calibration The coeffic	on better rej ient 'slope' d	presents the allows small
Comments:  CALIBRATION AFTER CLEANING & REPLATINIZING' Performed  Date: Drift since Last cal: PSU/month  Comments:	'AS RECEIVED O	CALIBRATION'		✓ Per	formed		t Performed
'CALIBRATION AFTER CLEANING & REPLATINIZING' ☐ Performed ☑ Not Performed  Date: ☐ Drift since Last cal: ☐ PSU/month  Comments:	Date: 11/20/2015	5	Drift sin	ce last cal:	0.0	0000	PSU/month
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Cell cleaning and electrode replatinizing tend to 'reset' the conductivity sensor to its original condition. Lack of drift in post-cleaning-calibration indicates geometric stability of the cell and electrical stability of the sensor circuit.