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SENSOR SERIAL NUMBER: 0399
CALIBRATION DATE: 11-Jun-26

SBE 45 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g =	-6.632819e-01	CPcor =	-9.5700e-008
h =	9.707730e-02	CTcor =	3.2500e-006
i =	-3.386958e-04	WBOTC =	6.9909e-07
j =	3.827746e-05		

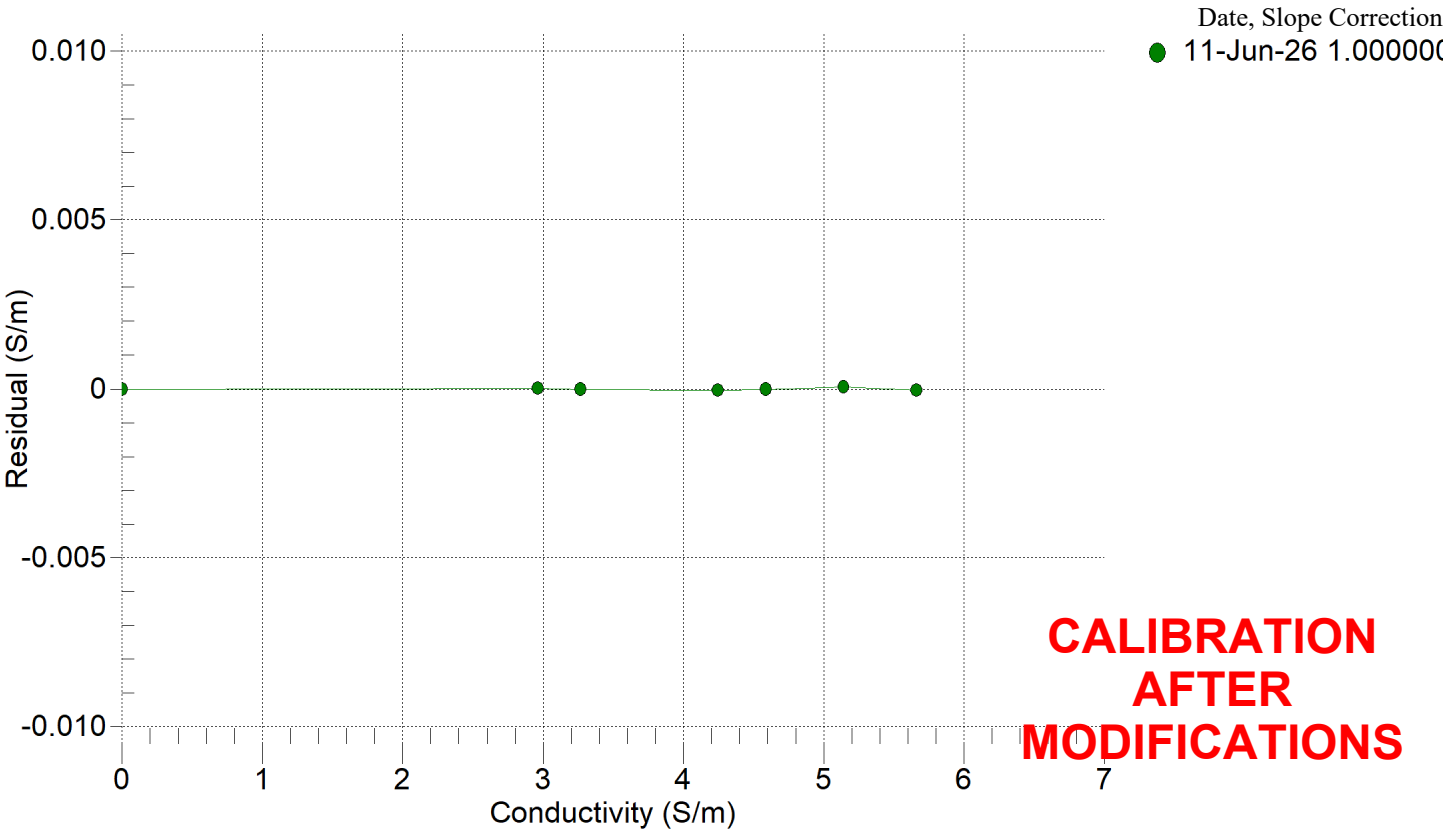
BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2622.34	0.00000	0.00000
1.0000	34.6589	2.96379	6132.69	2.96381	0.00002
4.5000	34.6388	3.26962	6384.85	3.26962	-0.00001
15.0000	34.5958	4.24742	7129.68	4.24738	-0.00004
18.5000	34.5869	4.59121	7373.07	4.59120	-0.00001
24.0000	34.5772	5.14698	7749.66	5.14704	0.00006
29.0000	34.5717	5.66675	8085.11	5.66672	-0.00003
32.5000	34.5677	6.03752	8314.80	6.03602	-0.00150

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity



CALIBRATION AFTER MODIFICATIONS