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SENSOR SERIAL NUMBER: 0385
CALIBRATION DATE: 10-Jun-26

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

COEFFICIENTS:

g =	-6.668302e-01	CPcor =	-9.5700e-008
h =	9.059164e-02	CTcor =	3.2500e-006
i =	-1.521312e-04	WBOTC =	2.7605e-07
j =	2.326200e-05		

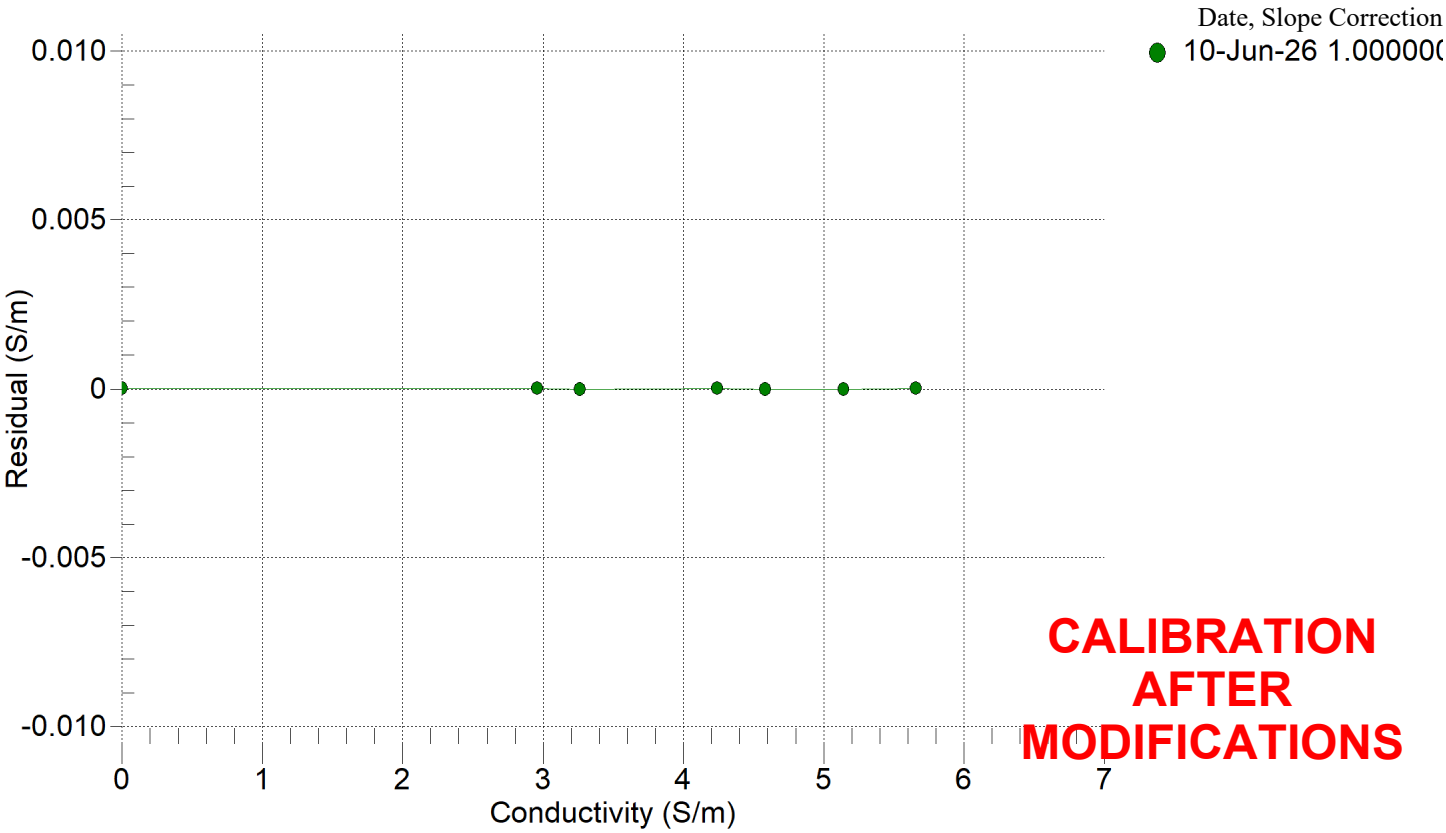
BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2716.70	0.00000	0.00000
1.0000	34.6226	2.96098	6329.27	2.96099	0.00000
4.5000	34.6030	3.26658	6589.07	3.26657	-0.00001
15.0000	34.5602	4.24351	7356.74	4.24352	0.00001
18.5000	34.5518	4.58705	7607.70	4.58705	-0.00001
24.0000	34.5423	5.14235	7996.10	5.14235	-0.00001
29.0000	34.5368	5.66167	8342.31	5.66167	0.00000
32.5000	34.5328	6.03212	8580.28	6.03204	-0.00008

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