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SENSOR SERIAL NUMBER: 13247
CALIBRATION DATE: 31-Aug-24

SBE 37 V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.017597e+000
h = 1.570235e-001
i = -5.259389e-004
j = 5.922207e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 3.9209e-007

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	2553.47	0.00000	0.00000
1.0000	34.6497	2.96308	5053.42	2.96306	-0.00002
4.5000	34.6293	3.26881	5243.66	3.26882	0.00001
15.0000	34.5872	4.24647	5809.69	4.24650	0.00003
18.4999	34.5788	4.59024	5995.78	4.59024	-0.00000
24.0000	34.5699	5.14601	6284.73	5.14599	-0.00002
29.0000	34.5656	5.66586	6543.18	5.66585	-0.00001
32.5001	34.5637	6.03691	6721.41	6.03693	0.00002

$f = \text{Instrument Output(Hz)} * \sqrt{1.0 + \text{WBOTC} * t} / 1000.0$

t = temperature (°C); p = pressure (decibars); $\delta = \text{CTcor}$; $\epsilon = \text{CPcor}$;

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

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

