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SENSOR SERIAL NUMBER: 0828
CALIBRATION DATE: 14-Nov-23

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

COEFFICIENTS:

g = -9.073639e-001
h = 1.344338e-001
i = -4.192185e-005
j = 2.979502e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = -2.6678e-005

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	2597.86	0.00000	0.00000
1.0000	34.8341	2.97734	5363.08	2.97738	0.00003
4.4999	34.8132	3.28445	5570.07	3.28442	-0.00003
15.0000	34.7682	4.26634	6184.77	4.26630	-0.00004
18.4999	34.7574	4.61139	6386.47	4.61141	0.00002
23.9999	34.7441	5.16906	6699.25	5.16910	0.00004
28.9999	34.7330	5.69020	6978.48	5.69018	-0.00002
32.5000	34.7200	6.06109	7170.55	6.06136	0.00026

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

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

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

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

