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SENSOR SERIAL NUMBER: 3722
CALIBRATION DATE: 18-Nov-23

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

COEFFICIENTS:

g = -1.020446e+000
h = 1.230706e-001
i = -5.647239e-005
j = 2.107005e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 8.4820e-006

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	2879.10	0.00000	0.00000
1.0000	34.7825	2.97335	5688.25	2.97333	-0.00002
4.5000	34.7629	3.28018	5901.71	3.28019	0.00001
15.0000	34.7208	4.26114	6536.59	4.26115	0.00001
18.5000	34.7118	4.60600	6745.28	4.60602	0.00002
24.0000	34.7016	5.16345	7069.23	5.16343	-0.00002
29.0000	34.6952	5.68471	7358.92	5.68469	-0.00003
32.5000	34.6884	6.05620	7558.41	6.05623	0.00002

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

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

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

