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SENSOR SERIAL NUMBER: 2318
CALIBRATION DATE: 07-Feb-24

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

COEFFICIENTS:

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g = -9.841995e-001
h =  1.473408e-001
i = -4.350786e-004
j =  5.299317e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  6.0140e-006
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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	2591.14	0.00000	0.00000
0.9999	34.6179	2.96061	5188.92	2.96058	-0.00003
4.4999	34.5988	3.26621	5385.74	3.26628	0.00007
14.9999	34.5595	4.24342	5970.65	4.24330	-0.00012
18.4999	34.5515	4.58701	6162.97	4.58708	0.00007
24.0000	34.5429	5.14243	6461.27	5.14247	0.00004
29.0000	34.5385	5.66192	6727.93	5.66189	-0.00002
32.5000	34.5353	6.03251	6911.70	6.03254	0.00003

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