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SENSOR SERIAL NUMBER: 15274
CALIBRATION DATE: 04-Mar-25

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

COEFFICIENTS:

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g = -1.013445e+000
h =  1.308309e-001
i = -2.430285e-004
j =  3.418386e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  8.9699e-008
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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	2787.59	0.00000	0.00000
0.9999	34.9389	2.98543	5534.93	2.98548	0.00004
4.5000	34.9192	3.29347	5743.49	3.29346	-0.00001
14.9999	34.8798	4.27857	6363.99	4.27848	-0.00009
18.4999	34.8711	4.62484	6567.90	4.62474	-0.00010
24.0000	34.8619	5.18466	6884.70	5.18493	0.00027
29.0000	34.8550	5.70794	7167.43	5.70782	-0.00012
32.5000	34.8489	6.08103	7358.48	6.07345	-0.00758

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