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SENSOR SERIAL NUMBER: 16243
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 = -9.873773e-001
h =  1.271754e-001
i =  9.004507e-006
j =  1.720148e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -1.1970e-007
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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	2784.65	0.00000	0.00000
0.9999	34.9389	2.98543	5576.37	2.98544	0.00001
4.5000	34.9192	3.29347	5787.55	3.29345	-0.00002
14.9999	34.8798	4.27857	6415.69	4.27860	0.00003
18.4999	34.8711	4.62484	6622.05	4.62486	0.00001
24.0000	34.8619	5.18466	6942.39	5.18461	-0.00005
29.0000	34.8550	5.70794	7228.75	5.70796	0.00002
32.5000	34.8489	6.08103	7426.01	6.08112	0.00009

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