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SENSOR SERIAL NUMBER: 16238
CALIBRATION DATE: 07-Mar-25

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

COEFFICIENTS:

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g = -1.010936e+000
h =  1.308847e-001
i = -2.194705e-003
j =  1.734523e-004

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -5.8863e-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	2831.84	0.00000	0.00000
0.9999	34.5800	2.95768	5657.17	2.95813	0.00045
4.4999	34.5611	3.26300	5871.25	3.26273	-0.00027
14.9999	34.5227	4.23938	6508.03	4.23860	-0.00078
18.5000	34.5147	4.58266	6717.28	4.58249	-0.00017
24.0000	34.5067	5.13764	7041.89	5.13913	0.00149
29.0000	34.5030	5.65675	7329.37	5.65603	-0.00072
32.5001	34.5014	6.02727	7525.52	6.02181	-0.00546

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