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SENSOR SERIAL NUMBER: 2325
CALIBRATION DATE: 21-Mar-24

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

COEFFICIENTS:

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g = -1.004181e+000
h =  1.419646e-001
i = -1.316227e-004
j =  3.405622e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -5.9812e-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	2660.80	0.00000	0.00000
0.9999	34.6751	2.96503	5282.94	2.96506	0.00002
4.5000	34.6562	3.27110	5481.99	3.27108	-0.00002
14.9999	34.6162	4.24965	6074.04	4.24963	-0.00002
18.4999	34.6080	4.59370	6268.64	4.59370	0.00000
24.0000	34.5992	5.14989	6570.73	5.14991	0.00002
29.0000	34.5945	5.67006	6840.82	5.67006	-0.00000
32.5001	34.5897	6.04094	7026.87	6.04093	-0.00001

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