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SENSOR SERIAL NUMBER: 4078
CALIBRATION DATE: 07-Jan-25

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

COEFFICIENTS:

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g = -1.035964e+000
h =  1.485667e-001
i = -9.783337e-005
j =  2.890280e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -1.0787e-005
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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	2641.47	0.00000	0.00000
0.9999	34.6578	2.96370	5183.94	2.96369	-0.00001
4.4999	34.6365	3.26942	5377.82	3.26943	0.00001
14.9999	34.5897	4.24674	5954.77	4.24673	-0.00001
18.5000	34.5791	4.59029	6144.53	4.59030	0.00001
24.0000	34.5670	5.14562	6439.18	5.14562	-0.00000
29.0000	34.5601	5.66506	6702.82	5.66505	-0.00001
32.5000	34.5567	6.03582	6884.69	6.03583	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