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SENSOR SERIAL NUMBER: 1525
CALIBRATION DATE: 27-Dec-24

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

COEFFICIENTS:

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g = -1.046141e+000
h =  1.599519e-001
i = -1.455466e-004
j =  3.711369e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.7236e-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	2558.31	0.00000	0.00000
1.0000	34.6654	2.96429	5004.13	2.96431	0.00002
4.5000	34.6447	3.27013	5190.69	3.27012	-0.00001
15.0000	34.5990	4.24777	5745.90	4.24774	-0.00003
18.5000	34.5887	4.59142	5928.49	4.59142	-0.00000
24.0000	34.5765	5.14688	6212.00	5.14691	0.00003
29.0000	34.5688	5.66633	6465.57	5.66633	0.00001
32.5000	34.5620	6.03664	6640.26	6.03663	-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