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SENSOR SERIAL NUMBER: 3767
CALIBRATION DATE: 30-Jun-23

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

COEFFICIENTS:

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g = -1.007038e+000
h =  1.459808e-001
i = -9.995859e-006
j =  2.562457e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -8.4102e-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	2625.38	0.00000	0.00000
0.9999	34.4732	2.94941	5194.63	2.94935	-0.00006
4.4999	34.4535	3.25384	5390.03	3.25392	0.00008
14.9999	34.4125	4.22727	5971.04	4.22725	-0.00003
18.4999	34.4035	4.56947	6162.06	4.56946	-0.00001
24.0000	34.3929	5.12256	6458.59	5.12257	0.00001
29.0000	34.3855	5.63964	6723.69	5.63964	0.00000
32.5000	34.3784	6.00820	6906.17	6.00797	-0.00023

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