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SENSOR SERIAL NUMBER: 16564
CALIBRATION DATE: 04-Mar-25

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

COEFFICIENTS:

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g = -9.845708e-001
h =  1.242951e-001
i = -3.053923e-004
j =  4.020068e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  3.2497e-007
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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	2820.61	0.00000	0.00000
0.9999	34.9389	2.98543	5661.63	2.98547	0.00004
4.5000	34.9192	3.29347	5876.32	3.29340	-0.00007
14.9999	34.8798	4.27857	6514.79	4.27862	0.00005
18.4999	34.8711	4.62484	6724.41	4.62487	0.00003
24.0000	34.8619	5.18466	7049.67	5.18458	-0.00008
29.0000	34.8550	5.70794	7340.34	5.70797	0.00003
32.5000	34.8489	6.08103	7540.32	6.08087	-0.00016

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