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SENSOR SERIAL NUMBER: 1866
CALIBRATION DATE: 07-Apr-23

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

COEFFICIENTS:

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g = -9.846151e-001
h =  1.349938e-001
i =  4.719662e-004
j = -2.014184e-006

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.9139e-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	2688.16	0.00000	0.00000
0.9999	34.6648	2.96424	5359.67	2.96422	-0.00001
4.4999	34.6454	3.27018	5561.59	3.27019	0.00001
15.0000	34.6044	4.24836	6161.81	4.24836	0.00000
18.5000	34.5959	4.59228	6359.05	4.59229	0.00001
24.0000	34.5869	5.14826	6665.18	5.14824	-0.00003
29.0000	34.5824	5.66830	6938.98	5.66832	0.00001
32.5000	34.5798	6.03940	7128.04	6.04004	0.00065

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