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SENSOR SERIAL NUMBER: 4790
CALIBRATION DATE: 23-Jul-24

SBE 4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g =  -9.77797893e+000
h =   1.31638388e+000
i =   1.62133701e-004
j =   5.49121208e-005

CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
0.0000	0.0000	0.00000	2.72454	0.00000	0.00000
-1.0001	33.8690	2.73525	5.30610	2.73522	-0.00003
1.0000	33.8685	2.90254	5.42419	2.90257	0.00004
15.0000	33.8681	4.16739	6.24451	4.16739	-0.00001
18.4999	33.8660	4.50567	6.44612	4.50565	-0.00002
28.9999	33.8521	5.56185	7.03831	5.56189	0.00004
32.5000	33.8246	5.92227	7.22917	5.92225	-0.00002

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity