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SENSOR SERIAL NUMBER: 0618
CALIBRATION DATE: 23-Jan-24

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

COEFFICIENTS:

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g =  -3.98663538e+000
h =   4.55878581e-001
i =   1.45917681e-004
j =   1.48303363e-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	2.95537	0.00000	0.00000
-1.0000	34.6799	2.79461	8.34882	2.79464	0.00003
1.0000	34.6809	2.96549	8.56841	2.96545	-0.00004
15.0000	34.6797	4.25663	10.07270	4.25662	-0.00000
18.5000	34.6785	4.60206	10.43793	4.60207	0.00001
29.0000	34.6738	5.68160	11.50345	5.68160	-0.00000
32.4999	34.6726	6.05375	11.84648	6.05193	-0.00182

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