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SENSOR SERIAL NUMBER: 3115
CALIBRATION DATE: 07-May-24

SBE 16 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g =  -4.02557761e+000
h =   4.79902037e-001
i =   1.35480523e-003
j =  -3.16519791e-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)
22.0000	0.0000	0.00000	2.88532	0.00000	0.00000
1.0000	34.7049	2.96735	8.30170	2.96731	-0.00004
4.5000	34.6849	3.27355	8.66815	3.27359	0.00005
15.0000	34.6427	4.25256	9.74616	4.25257	0.00001
18.5000	34.6336	4.59674	10.09742	4.59673	-0.00002
24.0000	34.6232	5.15307	10.64041	5.15305	-0.00001
29.0000	34.6162	5.67322	11.12385	5.67323	0.00001
32.5000	34.6101	6.04409	11.45604	6.04426	0.00017

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