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SENSOR SERIAL NUMBER: 3115
CALIBRATION DATE: 18-Apr-24

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

COEFFICIENTS:

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g =  -4.13466673e+000
h =   4.99952257e-001
i =  -1.37311871e-003
j =   7.87595450e-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	2.88535	0.00000	0.00000
1.0000	34.6381	2.96218	8.26636	2.96205	-0.00013
4.5000	34.6181	3.26786	8.63304	3.26800	0.00014
15.0000	34.5749	4.24512	9.71085	4.24521	0.00008
18.5000	34.5652	4.58864	10.06180	4.58861	-0.00003
24.0000	34.5536	5.14385	10.60400	5.14370	-0.00015
29.0000	34.5449	5.66285	11.08661	5.66293	0.00009
32.5001	34.5378	6.03290	11.41782	6.03307	0.00016

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