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SENSOR SERIAL NUMBER: 3114
CALIBRATION DATE: 19-May-22

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

COEFFICIENTS:

g = -4.11504621e+000
h = 4.90169369e-001
i = 1.53245926e-003
j = -3.48919789e-005

CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

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	2.88531	0.00000	0.00000
1.0000	34.6774	2.96522	8.21459	2.96518	-0.00004
4.5000	34.6581	3.27127	8.57599	3.27131	0.00004
15.0000	34.6168	4.24972	9.63915	4.24974	0.00002
18.5000	34.6080	4.59371	9.98562	4.59372	0.00001
23.9999	34.5987	5.14981	10.52117	5.14975	-0.00006
28.9999	34.5929	5.66982	10.99817	5.66985	0.00003
32.5001	34.5879	6.04066	11.32591	6.04080	0.00014

f = Instrument Output (kHz)

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

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

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

