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SENSOR SERIAL NUMBER: 1374
CALIBRATION DATE: 31-Dec-19

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

COEFFICIENTS:

g = -4.08262950e+000
h = 4.98347604e-001
i = -8.75514923e-005
j = 3.35461068e-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)
0.0000	0.0000	0.00000	2.86216	0.00000	0.00000
-0.9993	34.8560	2.80754	8.02128	2.80753	-0.00001
1.0006	34.8554	2.97904	8.23165	2.97905	0.00001
14.9999	34.8513	4.27544	9.67252	4.27539	-0.00005
18.4999	34.8463	4.62191	10.02204	4.62196	0.00005
29.0000	34.8337	5.70485	11.04148	5.70484	-0.00001
32.5000	34.8150	6.07579	11.36915	6.07579	0.00000

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

