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SENSOR SERIAL NUMBER: 4222
CALIBRATION DATE: 03-Sep-21

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

COEFFICIENTS:

g = -9.93732491e+000
h = 1.39689051e+000
i = -2.29295922e-003
j = 2.39758189e-004

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	2.67141	0.00000	0.00000
-1.0000	34.8419	2.80645	5.22597	2.80644	-0.00000
1.0000	34.8421	2.97796	5.34256	2.97797	0.00001
15.0001	34.8419	4.27443	6.15234	4.27442	-0.00001
18.5000	34.8407	4.62126	6.35135	4.62127	0.00001
29.0000	34.8338	5.70486	6.93599	5.70486	-0.00000
32.5001	34.8162	6.07598	7.12505	6.07599	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

