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SENSOR SERIAL NUMBER: 4222
CALIBRATION DATE: 31-Jan-18

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

COEFFICIENTS:

g = -9.94125293e+000
h = 1.39814709e+000
i = -2.58766639e-003
j = 2.52463655e-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	2.67140	0.00000	0.00000
-0.9999	34.1965	2.75926	5.19357	2.75925	-0.00001
1.0000	34.1962	2.92796	5.30902	2.92797	0.00001
15.0001	34.1947	4.20335	6.11114	4.20335	0.00000
18.5000	34.1930	4.54451	6.30830	4.54450	-0.00000
29.0001	34.1833	5.61019	6.88755	5.61019	-0.00000
32.5000	34.1653	5.97516	7.07489	5.97516	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

