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SENSOR SERIAL NUMBER: 4363
CALIBRATION DATE: 02-Sep-22

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

COEFFICIENTS:

g = -9.82980159e+000
h = 1.42398922e+000
i = -1.74976903e-003
j = 2.08498405e-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	2.63028	0.00000	0.00000
-1.0000	34.6563	2.79289	5.15567	2.79288	-0.00001
1.0000	34.6568	2.96363	5.27088	2.96363	0.00000
14.9999	34.6572	4.25415	6.07088	4.25417	0.00003
18.5000	34.6570	4.59951	6.26750	4.59949	-0.00002
29.0000	34.6530	5.67857	6.84524	5.67857	-0.00001
32.5000	34.6400	6.04871	7.03236	6.04872	0.00001

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

