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SENSOR SERIAL NUMBER: 3451
CALIBRATION DATE: 06-Feb-20

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

COEFFICIENTS:

g = -9.97915909e+000
h = 1.55087605e+000
i = -2.83482085e-003
j = 3.17551890e-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	2.54086	0.00000	0.00000
-1.0000	34.5733	2.78682	4.95001	2.78682	0.00000
0.9999	34.5736	2.95718	5.06013	2.95718	-0.00000
14.9999	34.5733	4.24494	5.82516	4.24492	-0.00001
18.4999	34.5704	4.58924	6.01310	4.58926	0.00001
28.9999	34.5605	5.66511	6.56531	5.66511	-0.00000
32.4999	34.5405	6.03330	6.74382	6.03343	0.00013

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

